



GOVERNMENT OF INDIA

CENTRAL PUBLIC WORKS DEPARTMENT
OFFICE OF THE ASSISTANT ENGINEER (E)-III,
SVP NPA, HYDERABAD – 500 052.

NOTICE INVITING "e- TENDER"

NIT No. 86/AE (E)-III/EE (E)-Hyd. /2021-2022.

Name of Work: Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR.

Estimated Cost put to Tender: Rs. **2,54,437/-**

INDEX

Name of Work: *Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR.*

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Certified that this NIT comprising Page No. 1 to 42.

Assistant Engineer (E)-III,
CPWD, Hyderabad

CENTRAL PUBLIC WORKS
DEPARTMENT NOTICE
INVITING e-TENDERS

The Assistant Engineer (E)-III, C.P.W.D., SVP NPA Campus, Shivarampally, Hyderabad -500052 (email id: aehcesd3npa@gmail.com) on behalf of President of India invites online Percentage rate tenders in single bid system from approved & eligible contractors of CPWD of appropriate class under Composite Category for execution of the following work:

NIT No. **86/AE(E)-III/EE(E)-Hyd./2021-2022**; Name of Work: *Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR.*

The Tender forms and other details can be obtained from the website www.tenderwizard.com/CPWD and www.eprocure.gov.in.

Not to be published below this line

Assistant Engineer (E)-III,
CPWD, NPA, Hyderabad.

INFORMATION AND INSTRUCTIONS FOR BIDDERS FOR e-TENDERING

The Assistant Engineer (E)-III, CPWD, SVP NPA Campus, Shivarampally, Hyderabad –500052 (email id: aeehcesd3npa@gmail.com) on behalf of President of India invites online Percentage rate tenders in single bid system from approved & eligible contractors of CPWD of appropriate class under Composite Category for execution of the following work:

S. No.	Description	Details
1	NIT No.	86/AE(E)-III/EE(E)-Hyd./2021-2022.
2	Name of work & Location	<i>Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR.</i>
3	Estimated cost put to tender	Rs. 2,54,437/-
4	Earnest Money Deposit (EMD)	EMD submission exempted. Declaration to be submitted.
5	Period of completion	1 Month.
6	Last date & time of submission of bid, EMD, e-tender processing fee and other Documents	up to 18:00 Hours on 31.08.2021.
7	Time & date of opening of Price bid	at 18.30 Hours on 31.08.2021.

- The work should be carried out by an agency having valid Electrical license of appropriate voltage issued by State Government under Clause 45 of compilation of rule of I.E. Rules 1956 or as amended from time to time
- The firms/ contractors who fulfill the following requirements shall be eligible to participate in tender. Joint Ventures are not accepted.
- The intending bidder must read the terms and conditions of CPWD-6, carefully. He should only submit his bid if he considers himself eligible and he is in possession of all the documents required.
- Information and Instructions for bidders posted on website shall form part of bid document.
- The bid document consisting of specifications and the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents can be seen and downloaded from website www.tenderwizard.com/CPWD or www.cpwd.gov.in free of cost.
- Bidders are advised to keep visiting the above-mentioned web-sites from time to time (till the deadline for bid submission) for any updates in respect of the tender documents, if any. Failure to do so shall not absolve the applicant of his liabilities to submit the applications complete in all respect including updates thereof, if any. An incomplete application may be liable for rejection.

- ~~7. Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Bankers Cheque or Deposit at Call Receipt or Fixed Deposit Receipt drawn in favour of Executive Engineer (E), HCED-I, CPWD, Hyderabad, shall be scanned and uploaded to the e-tendering website within the period of bid submission. The original EMD should be deposited either in the office of Assistant Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer (including NIT issuing EE/AE) shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) uploaded by tender inviting EE in the NIT. This receipt shall also be uploaded to the e-tendering website by the intending bidder upto the specified bid submission date and time.~~

~~A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs. 20 lakh, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled Bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.~~

8. Copy of Enlistment Order / Certificate of work experience / other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.
9. Online bid documents submitted by intending bidders shall be opened ~~only~~ of those bidders, whose EMD deposited with any division office of CPWD and other documents scanned and uploaded are found in order.
10. The bid can only be submitted after depositing e-tender Processing Fee as applicable in favour of ITI Limited through their e-gateway by credit/debit card, internet banking or RTGS/NEFT facility.

The contractor already registered on the e-tendering portal will have option to continue by paying tender processing fee upto one year from the date of registration, or to switchover to (new) registration without tender processing fee any time. All new registrations from 01.04.2015 will be without tender processing fee.

Those contractors not registered on the website mentioned above, are required to get registered beforehand. If needed they can be imparted training on online bidding process as per details available on the website

11. The intending bidder must have valid class-III digital signature to submit the bid.
12. On opening date, the contractor can login and see the bid opening process. After opening of bids, he will receive the competitor bid sheets
13. Contractor can upload documents in the form of JPG format and PDF format.

14. Contractor must ensure to quote the percentage above/below /at par. Therefore, if the cell percentage is left blank, the amount shall be computed as "0" (ZERO). Bidder has to take care of this point. The rates quoted by the tenderer, shall be firm and inclusive of all the prevailing taxes and GST etc.
15. The department reserves the right to reject any prospective application without assigning any reason and to restrict the list of qualified contractors to any number deemed suitable by it, if too many bids are received satisfying the laid down criterion.
16. If any information furnished by the applicant is found incorrect at a later stage, he shall be liable to be debarred from tendering/taking up of works in CPWD. The department reserves the right to verify the particulars furnished by the applicant independently.
17. The prospective bidder shall use all information relating to the Tender which is obtained, whether in writing, pictorially form in connection with the Tender and other commercial information of a confidential nature exclusively for the purpose of Tender and not for any other purposes.
18. The bid submitted shall become invalid if;
 - i. The bidder is found in eligible.
 - ii. The bidder does not upload the EMD declaration.
 - iii. The bidder does not upload all the documents (including GST registration) as stipulated in the bid document including the copy of receipt for deposition of original EMD.
 - iv. If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer in the office of tender opening authority.

List of Documents to be filled in by the tenderers in various forms and to be scanned and uploaded in JPG/PDF format within the period of bid submission:

1. **Bidder to upload Earnest Money Deposit Declaration.**
2. Enlistment Order of the Contractor.
3. GST registration certificate of the state in which the work is to be taken up, if already obtained by the bidder.

If the bidder has not obtained GST registration in the State in which the work is to be taken up or as required by GST authorities, then in such a case the bidder shall scan and upload following undertaking along with other bid documents.

"If work is awarded to me, I/we shall obtain GST registration certificate of the State in which the work is to be taken up, within One month from the date of receipt of award letter or before release of any payment by CPWD, whichever is earlier, failing which I/We shall be responsible for any delay in payments which will be due towards me/ us on account of the work executed and / or for any action taken by CPWD or GST department in this regard.

Assistant Engineer (E)-III,
CPWD, NPA, Hyderabad

CPWD 6 for e-Tender

The Assistant Engineer(E)-III, C.P.W.D., SVP NPA Campus, Shivarampally, Hyderabad – 500 052 (email id: aehcesd3npa@gmail.com) on behalf of President of India invites online Percentage rate tenders in single bid system from approved & eligible contractors of CPWD of appropriate class under Composite Category for execution of the following work: *Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR.*

1. The work is estimated to cost **Rs. 2,54,437/-**. This estimate however is given merely as a rough guide.
The authority competent to approve NIT for the combined cost and belonging to the major discipline will consolidate NITs for calling the bids. He will also nominate Division which will deal all matters relating to the invitation of bids.
For composite bid, besides indicating the combined estimated cost put to bid, should clearly indicate the estimated cost of each component separately. The eligibility of bidders will correspond to the combined estimated cost of different components put to bid.
2. Agreement shall be drawn with the successful bidders on prescribed Form No.CPWD7/8 (or other Standard Form as mentioned) which is available as a Govt. Of India Publication and also available on website www.cpwd.gov.in. Bidders shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **1 Month** from the date of start as defined in schedule "F" or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the bid documents.
4. The site for the work is available.
5. The bid document consisting of ~~plans~~, specifications, the schedule of quantities of various types of items to be executed and the set of terms and conditions of the contract to be complied with and other necessary documents, except Standard General Conditions Of Contract Form, can be seen from website www.tenderwizard.com/CPWD,<http://eprocure.gov.in> or www.cpwd.gov.in free of cost.
6. After submission of the bid the contractor can re-submit revised bid any number of times but before last time and date of submission of bid as notified.
7. While submitting the revised bid, contractor can revise the rate of one or more item(s) any number of times (he need not re-enter rate of all the items) but before last time and date of submission of bid as notified.
8. The bid can only be submitted **after depositing e-tender Processing Fee as applicable in favour of ITI Limited through their e-gateway by credit/debit card, internet banking or RTGS/NEFT facility.**

The contractor already registered on the e-tendering portal will have option to continue by paying tender processing fee upto one year from the date of registration, or to switch over to (new) registration without tender processing fee any time. All new registrations from 01.04.2015 will be without tender processing fee.

9. Earnest Money in the form of Treasury Challan or Demand Draft or Pay order or Bankers Cheque or Deposit at Call Receipt or Fixed Deposit Receipt (drawn in favour of **Executive Engineer(E), HCED-I, CPWD, Hyderabad** shall be scanned and uploaded to the e-tendering website within the period of bid submission. The original EMD should be deposited either in the office of Assistant Engineer inviting bids or division office of any Executive Engineer, CPWD within the period of bid submission. The EMD receiving Executive Engineer shall issue a receipt of deposition of earnest money deposit to the bidder in a prescribed format (enclosed) ~~uploaded by tender inviting EE in the NIT.~~

~~This receipt shall also be uploaded to the e-tendering website by the intending bidder up to the specified bid submission date and time.~~

~~A part of earnest money is acceptable in the form of bank guarantee also. In such case, minimum 50% of earnest money or Rs.20lac, whichever is less, shall have to be deposited in shape prescribed above, and balance may be deposited in shape of Bank Guarantee of any scheduled Bank having validity for six months or more from the last date of receipt of bids which is to be scanned and uploaded by the intending bidders.~~

Copy of Enlistment Order / Certificate of work experience / other documents as specified in the press notice shall be scanned and uploaded to the e-tendering website within the period of bid submission. However, certified copy of all the scanned and uploaded documents as specified in press notice shall have to be submitted by the lowest bidder only within a week physically in the office of tender opening authority.

Online bid documents submitted by intending bidders shall be opened only of those bidders, whose EMD deposited with any division office of CPWD and other documents scanned and uploaded are found in order.

The bid submitted shall be opened at 18:30 PM on **31.08.2021**.

10. The bid submitted shall become in valid if;
- i) The bidder is found in eligible.
 - ii) The bidder does not upload EMD declaration.
 - iii) The bidder does not upload all the documents (including GST registration) as stipulated in the bid document including the Undertaking of EMD.
 - iv) If any discrepancy is noticed between the documents as uploaded at the time of submission of bid and hard copies as submitted physically by the lowest tenderer, in the office of tender opening authority.

11. The Contractor, whose bid is accepted, will be required to furnish performance guarantee of 3% (Three Percent) of the bid amount within the period specified in Schedule „F““. This guarantee shall be in the form of cash (in case guarantee amount is less than Rs.10000/-) or Deposit at Call receipt of any scheduled bank/ Banker“s Cheque of any scheduled bank/ Demand Draft of any scheduled bank/ Pay order of any Scheduled Bank of any scheduled bank (incase guarantee amount is less than Rs.1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the prescribed form. In case the contractor fails to deposit the said performance guarantee within the period as indicated in Schedule„ F“ including the extended period if any, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor. The earnest money deposited along with bid shall be returned after receiving the aforesaid performance guarantee. The contractor whose bid is accepted will also be required to furnish either copy of applicable license/ registrations or proof of applying for obtaining labour licenses, Registration with EPFO, ESIC and BOCW Welfare Board and Programme Chart (Time and Progress) within the period specified in Schedule F.

12. The description of the work is as follows:

Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR.

Intending Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their bids as to the nature of the ground and sub- soil (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 bid. A bidder shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charge consequent on any misunderstanding or otherwise shall be allowed. The bidders shall be responsible for arranging and maintaining at his own cost all materials, 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. Submission of a bid by a bidders implies that he has read this notice 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. will be issued to him by the Government and local conditions and other factors having a bearing on the execution of the work.

13. The competent authority on behalf of the President of India does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
14. Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable to rejected.
15. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.

16. The contractor shall not be permitted to bid for works in the CPWD Circle (Division in case of contractors of Horticulture /Nursery category) responsible for award and execution of contracts, in which his near relative is posted a Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Junior Engineer (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any gazette officer in the Central Public Works Department or in the Ministry of Urban Development. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this Department.
17. No Engineer of Gazetted rank or other Gazetted Officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of one year after his retirement from Government service, without the prior permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his Employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the bid or engagement in the contractor's service.
18. The bid for the works shall remain open for acceptance for a period of 30 Days (Thirty Days) from the date of opening of bid.

Further

- i) If any tenderer withdraws his tender or makes any modification in the terms & conditions of the tender which is not acceptable to the department within the validity period of tender.
- or
- ii) If after the award of work, the tenderer fails to sign the contract or to submit performance guarantee before the deadline defined in the tender documents
- iii) The tenderer shall be suspended for one year and shall not be eligible to bid for CPWD tenders from date of issue of suspension order.
19. This notice inviting bid shall form a part of the contract document. The successful bidder/contractors, on acceptance of his bid by the Accepting Authority shall within 15 days from the stipulated date of start of the work, sign the contract consisting of:
- a) The Notice Inviting Bid, all the documents including additional conditions, specifications and drawings, if any, forming part of the Bid as uploaded at the time of invitation of bid and the rates quoted online at the time of submission of bid and acceptance thereof together with any correspondence leading thereto.
- b) Standard C.P.W.D. Form 7 or other Standard C.P.W.D. Form as applicable.

Assistant Engineer (E)-III,
CPWD, NPA, Hyderabad.

GOVERNMENT OF INDIA CENTRAL
PUBLIC WORKS DEPARTMENT

STATE:-Telangana.
 BRANCH: -E&M

ZONE:- CE-Hyd
 DIVISION:- EE(E)-HYD
 Sub Division:- AE(E)-III

Percentage Rate Tender & Contract for Works

(A) Tender for the work of:- *Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR..*

(B) To be submitted online up to 18:00 hours on **31.08.2021**

To be opened online in the presence of tenderers who may be present at 18:30 hours on **31.08.2021** in the office of the Assistant Engineer (E)-III, CPWD, SVP NPA, Hyderabad. Issued to Tender document made available Online

Signature of the Officer issuing the documents.

Designation: Assistant Engineer (E)-III, CPWD, SVP NPA, Hyderabad.

Date of issue **24.08.2021** As per INFORMATION AND INSTRUCTIONS FOR BIDDERS

TENDER

I/We have read and examined the notice inviting tender, schedule, A, B, C, D, E & F. Specifications applicable. Drawings & Designs, General Rules and Directions, Conditions of Contract, clause of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender documents for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in Schedule "F", viz., schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule-1 of General Rules and Directions and in Clause 11 of the Conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the bid open for **1 Month** from the date of opening of bid and not to make any modifications in its terms and conditions.

~~A sum of Rs.0/- is here by forwarded in Receipt Treasury Challan/Deposit at call Receipt of a Scheduled Bank/fixed deposit receipt of schedule bank/demand draft of a Scheduled bank / Bank Guarantee issued by a schedule bank, as earnest money.~~ If I/we, fail to furnish the prescribed performance guarantee within prescribed period. I/we agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/we fail to commence work as specified, I/we agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely, otherwise the said earnest money shall be retained by him 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 ordered, up to maximum of the percentage mentioned in schedule "F" and those in excess of that limit at the rates to be determined in accordance with the provision contained in clause 12.2 and 12.3 of the tender form. Further I/we agree that in case of forfeiture of Earnest money or both earnest money & Performance Guarantee as aforesaid, I/we shall be debarred for participation in the re-tendering process of the work.

I/We undertake and confirm that eligible similar work(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/We shall be debarred for tendering in CPWD in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-charge shall be free to forfeit the entire amount of Earnest Money Deposit/Performance Guarantee.

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

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

Dated.....

Signature of Contractor

Postal Address #

Witness: #

Address: #

Occupation: #

ACCEPTANCE

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs.*_____ (Rupees*_____)

The letters referred to below shall form part of this contract Agreement:-

- i) *
- ii) *
- iii) *

For & on behalf of the President of India.

Signature

Dated*.....

Designation.....

SCHEDULES FOR WORKS**SCHEDULE „A**

Schedule of quantities (Enclosed)

SCHEDULE „B,

Schedule of materials to be issued to the contractor.

S.No.	Description of item	Quantity	Rates in figures & words at which the material will be charged to the contractor	Place of Issue
1	2	3	4	5

____NIL____-

SCHEDULE „C

Tools and plants to be hired to the contractor

Sl.No.	Description	Hire charges per day	Place of issue
2	3	4	1

____-NIL____

SCHEDULE „D“

General conditions and requirements /documents for the work, if any, specification of work, if any etc.

As attached.

SCHEDULE „E“

1. Reference to General Conditions of contract. General Conditions of Contract for CPWD Works-2018 amended up to the last date of submission of online tender.

Name of Work: *Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR..*

Estimated cost of work:

Rs. 2,54,437/-

(b) Earnest money:

Rs.0/-

(c) Performance guarantee:

3% of tendered amount.

(d) Security Deposit:

2.5% of tendered amount.

SCHEDULE „F“

General Rules & Directions: General Conditions of Contract for CPWD Works 2018 with up to date amendments (As on Date of opening of price bid) shall be read with NIT.

Officer inviting tender **Assistant Engineer (E)-III/CPWD/NPA/Hyderabad.**

Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3. **30%**

Definitions:

2(v) Engineer-in-Charge **Assistant Engineer (E)-III, CPWD, NPA, Hyderabad.**

2(viii) Accepting Authority **Assistant Engineer (E)-III, CPWD, NPA, Hyderabad.**

2(x) Percentage on cost of materials and labour to cover all overheads and profits. **15%**

2(xi) Standard schedule of Rates: **DSR 2018 (E & M) and Market rates**

2(xii) Department: **Central Public Works Department**

9(ii) Standard CPWD contract form: **CPWD form 7/8 as modified and corrected up to last date of receipt of bid**

Amendments up to last date of submission of online tender shall be read with NIT

Clause 1

(i) Time allowed for submission of Performance Guarantee Programme Chart (Time and Progress) and applicable labour licenses, registration with EPFO, ESIC and BOCW Welfare Board including provident fund code No if applicable or Proof of applying thereof from the date of issue of letter of acceptance. **7 Days**

(ii) Maximum allowable extension with late fee @ 0.1% per day of Performance Guarantee amount beyond the period provided in **(i)** above **3 Days**

Clause 2

Authority for fixing compensation under clause 2 **Executive Engineer-Hyd, CPWD, Hyderabad.**

Whether Clause 2A shall be applicable. **No**

Clause 5

Number of days from the date of issue
of letter of acceptance for reckoning date of start. **7 Days**

a **Table of Milestones:**

S. N O.	Description of Milestone (Physical)	Time allowed in days (from the date of start)	Amount to be with held in case of non-achievement of milestone. (% of tendered amount of respective Electrical component)
		NIL	

Time allowed for execution of work

1month

Authority to reschedule Milestones

**Assistant Engineer (E)-III, CPWD,
Hyderabad**

Authority to give fair and reasonable extension of
time for completion of work.

**Assistant Engineer (E)-III, CPWD,
Hyderabad.**

Clause 7

Gross work to be done together with net payment/
Adjustment of advances for material collected, if any,

since the last such payment for being eligible to
interim payment

-NA-

-----NIL-----

Clause10B(ii)- Whether Clause10B (ii) shall be applicable: **No**

Clause 10CA - Whether clause 10CA shall be applicable **N.A.**

Clause 10C - Whether clause 10C shall be applicable **N.A.**

Materials covered under this clause	Nearest Materials (other than cement, reinforcement bars and structural steel) for which All India Wholesale Price Index to be Followed	Base Price of all the materials covered under clause 10CA*
-----Not applicable-----		

Clause10CC- Clause 10CC to be applicable in contracts with stipulated period of completion exceeding the period shown in the next column. **N.A,**

Schedule of component of other Materials, Labour, POL etc. for price escalation.

Component of Civil- Xm.....% **85%**
(Except material covered under clause 10CA)
 Electrical construction materials expressed as percent of total value of work

Component of Labour expressed as percent of total value of work Y.....% **15%**

Component of POL expressed as percent of total value of work Z.....% **NIL**

Specifications to be followed:

Clause 12

General Specification as amended upto date, Additional Conditions, General Conditions of Contract and Technical Specifications.

Type of work:

ORIGINAL

12.2 & 12.3 Deviation limit beyond which clause 12.2 & 12.3 shall apply for electrical work & cabling. **30%**

12.5 Deviation limit beyond which clause 12.2 & 12.3 shall apply for foundation work. **N.A**

Clause 16

Competent Authority for deciding reduced rates. **Executive Engineer-Hyd, CPWD, Hyderabad.**

Clause 18

List of mandatory machinery, tools & plants to be deployed by the contractor at site:
As required for timely execution of work.

Clause-25 : Constitution of Dispute Redress Committee (DRC) As per clause 25 GCC 2014.

CHIEF ENGINEER-HYDERABAD, CPWD, Hyderabad"

a) FOR TOTAL CLAIMS UPTO 25LAKHS

Dispute Redressed Committee			
Chairman	Member	Member	Presenting Officer
Superintending Engineer (Works cum TLQA), O/o ADG-RH	Executive Engineer(C), Office of CE-Hyderabad CPWD	Executive Engineer(E), Warangal	Executive Engineer in charge of the work

b) FOR TOTAL CLAIMS MORE THAN 25LAKHS

Dispute Redressal Committee			
Chairman	Member	Member	Presenting Officer
Chief Engineer-Vijayawada, CPWD	Superintending Engineer (Works cum TLQA), O/o ADG-RH	Superintending Engineer, Warangal	Executive Engineer in charge of the work

Clause 36 (i):**Requirement of Technical Representative(s) and Recovery Rate**

Sl.No.	Minimum Qualification of Technical Representative	Discipline	Designation (Principal Technical / Technical Representative)	Minimum Experience	Number	Rate at which recovery shall be made from the contractor in the event of not fulfilling provision of clause 36(i)	
						Figures	Words
			---- Nil ----				

NOTE:.

Assistant Engineers retired from Government services that are holding Diploma will be treated at par with Graduate Engineers

Diploma Holder with minimum 10 years relevant experience with a reputed construction company can be treated at par with graduate Engineers for the purpose of such deployment subject to the condition that such diploma holders should not exceed 50 % of requirement of degree Engineers.

Clause 42

- (i) Schedule/Statement for determining theoretical : Not Applicable quantity of cement and bitumen on the basis of Delhi schedule of Rate 2018 printed by C.P.W.D.
- (ii) Variations permissible on theoretical quantities
- a) Cement for works with estimated cost put to bid not more than Rs.5Lakh : Not Applicable
- b) Bitumen for all works : Not Applicable
- c) Steel Reinforcement and structural steel sections for each diameter, section and Category : Not Applicable
- d) All other material : Not Applicable

RECOVERY RATES FOR QUANTITIES BEYOND PERMISSIBLE VARIATION

Sl. No.	Description of item	Rates in figures and words at which recovery shall be made from the Contractor	
		Excess beyond Permissible Variation	Less use beyond the Permissible Variation
.....Not Applicable.....			

INTEGRITY PACT

To,

.....,

Sub: NIT No. **86**/AE(E)-III/EE(E)-Hyd./2021-2022

Name of Work: *Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR.*

Dear Sir,

It is hereby declared that CPWD is committed to follow the principle of transparency, equity and competitiveness in public procurement.

The subject Notice Inviting Tender (NIT) is an invitation to offer made on the condition that the Bidder will sign the integrity Agreement, which is an integral part of tender /bid documents, failing which the tenderer /bidder will stand disqualified from the tendering process and the bid of the bidder would be summarily rejected.

This declaration shall form part and parcel of the Integrity Agreement and signing of the same shall be deemed as acceptance and signing of the Integrity Agreement on behalf of the CPWD.

Yours faithfully

Assistant Engineer (E)-III,
 CPWD, NPA, Hyderabad

INTEGRITY PACT

To,

Assistant Engineer (E)-III,
CPWD, SVP NPA,
Hyderabad-500052

Sub: Submission of Tender for the Work: *Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR.*

Dear Sir,

I/We acknowledge that CPWD is committed to follow the principles thereof as enumerated in the Integrity Agreement enclosed with the tender/ bid document.

I/We agree that the Notice Inviting Tender (NIT) is an invitation to offer made on the condition that I/We will sign the enclosed integrity Agreement, which is an integral part of tender documents, failing which I/ We will stand disqualified from the tendering process. I/We acknowledge that THE MAKING OF THE BID SHALL BE REGARDED AS AN UNCONDITIONAL AND ABSOLUTE ACCEPTANCE of this condition of the NIT.

I/We confirm acceptance and compliance with the Integrity Agreement in letter and spirit and further agree that execution of the said Integrity Agreement shall be separate and distinct from the main contract, which will come into existence when tender/ bid is finally accepted by CPWD. I/We acknowledge and accept the duration of the Integrity Agreement, which shall be in the line with Article1of the enclosed Integrity Agreement.

I/We acknowledge that in the event of my/ our failure to sign and accept the Integrity Agreement, while submitting the tender/ bid, CPWD shall have unqualified, absolute and unfettered right to disqualify the tenderer/ bidder and reject the tender/ bid in accordance with terms and conditions of the tender/bid.

Yours faithfully

(Duly authorized signatory of the Bidder)

INTEGRITY AGREEMENT

This Integrity Agreement is made at.....on this.....day of...2021

BETWEEN

President of India represented through **Assistant Engineer (E)-III, CPWD, Hyderabad,**
(Name of Division) CPWD, Hyderabad-500095..... (Here in after referred as the
(Address of Division)

„Principal/Owner“, which expression shall unless repugnant to the meaning or context thereof include its success or sand permitted assigns)

AND

(Name and Address of the Individual/ firm/ Company)

through..... (Here in after referred to as the (Details of duly authorized signatory) “Bidder/Contractor” and which expression shall unless repugnant to the meaning or context hereof include its successors and permitted assigns)

Preamble

WHEREAS the Principal/ Owner has floated the Tender (NIT No. **86/AE (E)-III/EE (E)-Hyd./ 2021- 22**) (here in after referred to as “Tender/ Bid”) and intends to award, under laid down organizational procedure, contract for

(Name of work)

(Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR.)

Hereinafter referred to as the “Contract”.

AND WHEREAS the Principal/ Owner values full compliance with all relevant laws of the land, rules, regulations, economic use of resources and of fairness/ transparency in its relation with its Bidder(s) and Contractor(s).

ANDWHEREAS to meet the purpose aforesaid both the parties have agreed to enter into this Integrity Agreement (hereinafter referred to as “Integrity Pact” or “Pact”), the terms and conditions of which shall also be read as integral part and parcel of the Tender/ Bid documents and Contract between the parties.

NOW, therefore, in consideration of mutual covenants contained in this Pact, the parties here by agree as follows and this Pact witnesses as under:

Article1: Commitment of the Principal/Owner

- 1) The Principal/Owner commits itself to take all measures necessary to Prevent corruption and to observe the following principles:
 - (a) No employee of the Principal/Owner, personally or through any of his/ her family members, will in connection with the Tender ,or the execution of the Contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
 - (b) The Principal/Owner will, during the Tender process, treat all Bidder(s) with equity and reason. The Principal/Owner will, in particular, before and during the Tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the Tender processor the Contract execution.
 - (c) The Principal/Owner shall endeavor to exclude from the Tender process any person, whose conduct in the past has been of biased nature.
- 2) If the Principal/Owner obtains information on the conduct of any of its employees which is a criminal offence under the Indian Penal code (IPC)/ Prevention of Corruption Act, 1988 (PC Act) or is in violation of the principles here in mentioned or if there be a substantive suspicion in this regard, the Principal/Owner will inform the Chief Vigilance Officer and in addition can also initiate disciplinary actions as per its internal laid down policies and procedures.

Article2: Commitment of the Bidder(s)/ Contractor(s)

- 1) It is required that each Bidder/ Contractor (including their respective officers, employees and agents) adhere to the high esthetical standards, and report to the Government/ Department all suspected acts of fraud or corruption or Coercion or Collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.
- 2) The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:
 - a) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to any of the Principal/ Owner"s employees involved in the Tender process or execution of the Contract or to any third person any material or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.
 - b) The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non- submission of bids or any other actions to restrict competitive or to cartelize in the bidding process. Competitiveness or to cartelize in the bidding process.

- c) The Bidder(s)/ Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/ Contract(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Principal/Owner as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- d) The Bidder(s)/ Contractor(s) of foreign origin shall disclose the names and addresses of agents/ representatives in India, if any. Similarly Bidder(s)/ Contractor(s) of Indian Nationality shall disclose names and addresses of foreign agents/ representatives, if any. Either the Indian agent on behalf of the foreign principal or the foreign principal directly could bid in a tender but not both. Further, in cases where an agent participate in a tender on behalf of one manufacturer, he shall not be allowed to quote on behalf of another manufacturer along with the first manufacturer in a subsequent/ parallel tender for the same item.
- e) The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.
- 3) The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 4) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm indulge in fraudulent practice means a willful misrepresentation or omission of facts or submission of fake/ forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/ or to influence the procurement process to the detriment of the Government interests.
- 5) The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may be fall upon a person, his/ her reputation or property to influence their participation in the tendering process).

Article 3: Consequences of Breach

Without prejudice to any rights that may be available to the Principal/ Owner under law or the Contractor its established policies and laid down procedures, the Principal/ Owner shall have the following rights in case of breach of this Integrity Pact by the Bidder(s)/ Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Principal/ Owner"s absolute right:

- 1) If the Bidder(s)/ Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Article 2 above or in any other form, such as to put his reliability or credibility in question, the Principal/ Owner after giving 14 day"s notice to the contractor shall have powers to disqualify the Bidder(s)/ Contractor(s) from the Tender process or terminate/ determine the Contract, if already executed or exclude the Bidder/ Contractor from future contract award processes. The imposition and duration of the exclusion will be determined by the severity of transgression and determined by the Principal/ Owner. Such exclusion may be forever or for a limited period as decided by the Principal/Owner.

- 2) Forfeiture of EMD/ Performance Guarantee/ Security Deposit: If the Principal/ Owner has disqualified the Bidder(s) from the Tender process prior to the award of the Contractor terminated/ determined the Contractor has accrued the right to terminate/ determine the Contract according to Article3(1), the Principal/ Owner apart from exercising any legal rights that may have accrued to the Principal / Owner, may in its considered opinion forfeit the entire amount of Earnest Money Deposit, Performance Guarantee and Security Deposit of the Bidder/ Contractor.
- 3) Criminal Liability: If the Principal/Owner obtains knowledge of conduct of a Bidder or Contractor, or of an employee or a representative or an associate of a Bidder or Contractor which constitutes corruption within the meaning of IPC Act, or if the Principal/Owner has substantive suspicion in this regard, the Principal/Owner will inform the same to law enforcing agencies for further investigation.

Article 4: Previous Transgression

- 1) The Bidder declares that no previous transgressions occurred in the last 5 years with any other Company in any country confirming to the anticorruption approach or with Central Government or State Government or any other Central/State Public SectorEnterprisesinIndiathatcouldjustifyhisexclusionfromtheTenderprocess.
- 2) If the Bidder makes incorrect statement on this subject, he can be disqualified from the Tender process or action can be taken for banning of business dealings/ holiday listing of the Bidder/Contractor as deemed fit by the Principal/Owner.
- 3) If the Bidder/Contractor can prove that he has resorted / recouped the damage caused by him and has installed a suitable corruption prevention system, the Principal/Owner may, at its own discretion, revoke the exclusion prematurely.

Article 5: Equal Treatment of all Bidders/Contractors/Subcontractors

- 1) The Bidder(s)/Contractor(s) undertake(s) to demand from all sub-contractors a commitment in conformity with this Integrity Pact. The Bidder/Contractor shall be responsible for any violation(s) of the principles laid down in this agreement/Pact by any of its Subcontractors/sub-vendors.
- 2) The Principal/Owner will enter into Pacts on identical terms as this one with all Bidders and Contractors.
- 3) The Principal/Owner will disqualify Bidders, who do not submit, the duly Signed Pact between the Principal/Owner and the bidder, along with the Tender or violate its provisions at any stage of the Tender process, from the Tender process.

Article 6-Duration of the Pact

This Pact begins when both the parties have legally signed it. It expires for the Contractor/Vendor 60 Days after the completion of work under the contract or till the continuation of defect liability period, whichever is more and for all other bidders, till the Contract has been awarded

If any claim is made/lodged during the time, the same shall be binding and continue to be valid despite the lapse of this Pacts as specified above, unless it is discharged/determined by the Competent Authority, CPWD.

Article 7-Other Provisions

- 1) This Pact is subject to Indian Law, place of performance and Jurisdiction is the Headquarters of the Division of the Principal/Owner, who has floated the Tender.
- 2) Changes and supplements need to be made in writing. Side agreements have not been made.
- 3) If the Contractor is a partnership or a consortium, this Pact must be signed by all the partners or by one or more partner holding power of attorney signed by all partners and consortium members. In case of a Company, the Pact must be signed by a representative duly authorized by board resolution.
- 4) Should one or several provisions of this Pact turnout to be in valid; the remainder of this Pact remains valid. In this case, the parties will strive to come to an agreement to their original intensions.
- 5) It is agreed term and condition that any dispute or difference arising between the parties with regard to the terms of this Integrity Agreement / Pact, any action taken by the Owner/Principal in accordance with this Integrity Agreement/ Pact or interpretation thereof shall not be subject to arbitration.

Article 8-LEGAL AND PRIOR RIGHTS

All rights and remedies of the parties hereto shall be in addition to all the other legal rights and remedies belonging to such parties under the Contract and/or law and the same shall be deemed to be cumulative and not alternative to such legal rights and remedies aforesaid. For the sake of brevity, both the Parties agree that this Integrity Pact will have precedence over the Tender/Contact documents with regard any of the provisions covered under this Integrity Pact.

IN WITNESS WHEREOF the parties have signed and executed this Integrity Pact at the place and date first above mentioned in the presence of following witnesses:

(For and on behalf of Principal/Owner)

Assistant Engineer (E)-III, CPWD,
Hyderabad

(For and on behalf of Bidder/ Contractor)

WITNESSES:

1.
(signature, name and address)

2.
(signature, name and address)

Place:

Dated:

FORM OF EARNEST MONEY (BANK GUARANTEE)

WHEREAS, contractor (Name of contractor) (Hereinafter called "the Contractor") has submitted his tender dated (Date) for the work" (Name of Work) (Hereinafter called "the Tender").

KNOW ALL PEOPLE by..... these presents that we (Name of bank) having our registered office at (Herein after called "the Bank") are bound to

.....
 ..(Name and division of Assistant Engineer)(Here in after called " the Engineer-in-charge") for the sum of Rs.....(Rs. In words.....
) only for which payment, well and truly, to be made to the said Engineer-in-Charge, the Bank binds itself, his successors and assigns by these Presents.

SEALED with the Common Seal of the said Bank thisday

of.....20....THE CONDITIONS of this obligation are:

- (1) ~~If after tender opening the Contractor withdraws, his tender during the period of validity of tender (including extended validity of tender) specified in the Form of Tender;~~
- (2) ~~If the contractor having been notified of the acceptance of his tender by the Engineer-in-Charge:~~
 - (a) ~~Fails or refuses to execute the Form of Agreement in accordance with the Instructions to contractor, if required;~~
 - OR
 - (b) ~~Fails or refuses to furnish the Performance Guarantee, in accordance with the provisions of tender document and Instructions to contractor,~~

~~We undertake to pay to the Engineer-in-Charge either up to the above amount or part thereof upon receipt of the first written demand, without the Engineer-in-Charge having to substantiate his demand, provided that in his demand the Engineer-in-Charge will note that the amount claimed by his is due to him owing to the occurrence of one or any of the above conditions, specifying the occurred condition or conditions.~~

~~The Guarantee will remain in force upto and including the date*.....after the dead line for submission of tender as such deadline is stated in the Instructions to contractor or as it may extended by the Engineer-in-Charge, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.~~

DATE.....SIGNATURE OF THE BANK

WITNESS SEAL

(SIGNATURE, NAME AND ADDRESS)

*Date to be worked out on the basis of validity period of 7 months from last date or receipt of tender.

Earnest Money Deposit Declaration

Whereas, I/we(name of agency) have submitted bids for(name of work).....

I/We hereby submit following declaration in lieu of submitting Earnest Money Deposit.

- (1) If after the opening of tender, I/we withdraw or modify my/our bid during the period of validity of tender (including extended validity of tender) specified in the tender documents.

or

- (2) If, after the award of work, I/we fail to sign the contract, or to submit performance guarantee before the deadline defined in the tender documents.

I/we shall be suspended for one year and shall not be eligible to bid for CPWD tenders from date of issue of suspension order.

Signature of the contractor(s)

FORM OF PERFORMANCE SECURITY (GUARANTEE) BANK
GUARANTEE BOND

In consideration of the President of India (herein after called "the Government") having offered to accept the terms and conditions of the proposed agreement between.....and.....
(Herein after called "the said contractor(s)" for the work..... (Herein after called "the said agreement") having agreed to production of an irrevocable Bank Guarantee for Rs.....Rupees only) as a security/ guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.

1. We.....(*Indicate the name of Bank*)..... (Hereinafter referred to as "Bank") hereby undertake to pay to the Government an amount not exceeding Rs.....(Rupees.....)only, on demand by the Government.
2. We (indicate the name of Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from the Government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....(Rs.....)only.
3. We, the said bank, further undertake to pay the Government any money so demand not withstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any court or Tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.
4. We..... (indicate the name of the Bank) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said Agreement have been fully paid and its claim satisfied or discharged or till Engineer-in- Charge on behalf of the Government certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said contractor(s) accordingly discharges this guarantee.

5. We.....(indicate the name of Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the Government against the said contractor(s) 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) or for any forbearance, act of omission on the part of the Government or any indulgence by the Government to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us
6. This guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).
7. We (Indicate the name of bank) lastly undertake not to revoke this guarantee except with the previous consent of the Government in writing.
8. This guarantee shall be valid upto.....unless extended on demand by Government. Notwithstanding anything mentioned above, our liability against this Guarantee is restricted to Rs.....(Rupees.....) only and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee, all our liabilities under this guarantee, shall stand discharged.

Dated, the.....Day of.....For.....(Indicate the name of the Bank)

Note:-Performance guarantee shall be valid upto three months after the time period allowed for the work.

ADDITIONAL CONDITIONS AND SPECIFICATIONS

1. The work shall be carried out strictly in accordance with the CPWD General Specifications for electrical works, Part-I Internal (2013), part II external (1994) and Part IV (Sub-Station) 2013 as amended upto date. All installations shall also comply with the provisions of Indian Electricity Act.2003 and Indian Electricity Rules, 1956 amended up-to-date. In case of items not covered by the above specifications the work shall be carried out as per the instructions of the Engineer-in-Charge.
2. Works to be done by the Contractor: Unless and otherwise mentioned in the tender documents, the following works shall be done by the contractor, and therefore their cost shall be deemed to be included in their tendered cost:-
 - (i) Cutting and making good all damages caused during installation and restoring the same to their original finish.
 - (ii) Testing and commissioning of completed installation.
3. Ratings of components:
 - (i) All components in a wiring installation shall be of appropriate ratings of voltage, current, and frequency, as required at the respective sections of the electrical installation in which they are used.
 - (ii) All conductors, switches and accessories shall be of such size as to be capable of carrying the maximum current, which will normally flow through them, without their respective ratings being exceeded.
4. Conformity to standards: All components shall conform to relevant Indian Standard Specifications, wherever existing. Materials with ISI certification mark shall be preferred.
5. Quality of materials: All materials and equipments supplied by the contractor shall be new. They shall be of such design, size and materials as to satisfactorily function under the rated conditions of operations and to withstand the environmental conditions at site.
6. All the materials to be used in the work shall be got approved by the Engineer-in- Charge prior to their actual use in the work.
7. Workmanship: Good workmanship is an essential requirement to be complied with. The entire work of manufacture/fabrication, assembly and installation shall conform to sound engineering practice.
8. Bad workmanship will be rejected in toto.
9. Care of Buildings: Care shall be taken by the contractor to avoid damage to the building during execution of his part of the work. The contractor shall be responsible for repairing all damages and restoring the same to their original finish at his cost. The contractor shall remove at his costs all unwanted and waste materials arising out of his work from the site.
10. Structural Alterations to Buildings:
 - (i) No structural member in the building shall be damaged / altered, without prior approval from the competent authority through the Engineer-in-charge.
 - (ii) Structural provisions like openings, cutouts, if any, provided by the department for the work, shall be used. Where these require modifications, or where fresh provisions are required to be made, such contingent works shall be carried out by the contractor at his cost..

(iii) All chases required in connection with the electrical works shall be provided and filed by the contractor at his own cost to the original architectural finish of the buildings.

11. All the debris due to the electrical work shall be cleared every now and then and the site shall be kept clean by the contractor at all times.
12. The contractor or his authorized representative will have to sign the Site Order Book and comply with the remarks therein.
13. The watch and ward of the stores and their safe custody shall be his responsibility till the final taking over of the installation by the Department.
14. Tools for handling and erection: All tools and tackles required for handling of equipments and materials at site of work as well as for their assembly and erection and also necessary test instruments shall be the responsibility of the contractor. No T&P will be supplied by the department.
15. Design of all main and sub distribution boards shall be got approved by the Engineer- in-charge prior to fabrication by submitting a detailed dimensional sketch.
16. All the metal boxes housing control switches, regulators, sockets, metallic light fittings, fans etc. shall be suitably earthed.
- 17. A list of preferred makes for electrical works is enclosed.**
18. The material to be used in the work shall be procured only from authorized sources / dealers / distributors and documentary evidence to this effect shall be submitted as and when desired to the Engineer-in-Charge failing which the Engineer-in-Charge reserves the right to reject the materials in toto.
19. All dismantled items shall be returned to the department.
27. The price quoted shall be firm and inclusive of all taxes i/c GST, duties, levies, labour welfare Cess. GST and Labour welfare Cess will be deducted at source from the contractor's bills.
28. The contractor should make minimum fair wages to the staff as per prevailing labour laws, The wages shall be made to the bank account of the labour and proof shall be submitted to JE(E)/AE(E).
29. All the workmen engaged for the work shall get social security benefits from contractor like EPF& ESI and proof shall be submitted to JE(E)/AE(E).

LIST OF PREFERRED MAKES

Sr. No.	Product	Makes
a)	XLPE insulated PVC outer sheathed aluminium conductor armoured 1.1 KV grade UG cable.	POLYCAB HAVELLS KEI FINOLEX
b)	DWC PIPE	POLY REX DURALINE
c)	End termination	DOWELLS COMET JAINSON
d)	MCCB's, MCB's,	L & T LEGRAND SEIMENS
e)	Ammeter, Voltmeter,	L & T SCHNEIDER AE
f)	Indicator lamp	L & T SCHNEIDER
i)	CT coil	KAPPA AE

// Contractor //

Assistant Engineer (E)-III

Central Public Works Department
Standard Operating Procedures (SOPs) and
Guidelines for Construction Sites for
COVID-19 Outbreak

The following standard operating procedures and guidelines shall be followed at no extra cost:-

A. General Guidelines:

1. Thermal scanning of every one entering and exiting constructions it will be done for fever with thermal scanners. If anyone leaves and re-enters the site during the shift, re-screening of the individual will be done prior to re-entry into the worksite.
2. PPE and Other material requirement shall be provided as per requirement.
3. Provision for hand wash & sanitizer (touch free recommended) will be made at all entry and exit points and common areas (including at distant locations like higher floors). Everyone will be required to wash & sanitize his/her hands before entering the site and using PPEs. Same procedure to be followed after removing PPEs and exiting the premise. Sufficient quantities of all the items should be available at the site.
4. All Protocol including Emergency Response will be laid out. Periodic tailgate sessions will be arranged to review site protocols in view of highly dynamic scenario ensuring social distancing norms. During these sessions, everyone including workers will be informed about the safety guidelines and important updates. Necessary arrangements for announcements shall be made at every site.
5. Mandatory use of PPEs (face mask, hand gloves and other as applicable) by everyone entering the premise. Re-usable PPEs should be thoroughly cleaned and should not be shared with others.
6. Entire construction site including site office, labour camp, canteens, pathways, toilets, and entry/ exit gates will be disinfected on daily basis. Housekeeping team should be provided with necessary PPEs.
7. There will be total Ban on non-essential visitors at sites (including from Head office staff, consultants etc.).
8. There will be strict ban on Gutka, Tambaku, Paan etc. onsite and spitting shall be Strictly Prohibited.
9. Food should be consumed at designated area as only ensuring social distancing.
10. Common sitting arrangements should be removed.
11. Post lunch, waste should be disposed by individual in designated bins and area should remain clean.
12. Areas with a probability of bigger gathering, for eg. cleaning area, toilets etc. should be identified and all arrangements should be made to ensure social distancing.
13. A doctor will be present periodically (at least once a week) at site on allotted time for any medical assistance.
14. Appropriate signage at construction site spelling out safety practices in the language which is understood by all.

15. Hospital/clinics in the nearby area, which are authorized to treat COVID- '19 patients, should be identified and list should be available at Site all the time.
16. For any confusion, clarification and update, everyone should approach designated authority or rely on authentic source.
17. Rumors shall be discouraged and offenders be warned.
18. An isolation room shall be created at site.

B. Guidelines for Workers:

1. On day 0, before resuming the work on site post lock down period, mandatory medical check-up will be arranged for all workers. The workers coming from outside will be quarantined for a period of at least 15 days. Only medically fit workers will be deployed at site and medical assistance will be arranged for unfit workers. Medical checkup camp should be arranged every month.
2. The labours staying at site will not be allowed to go outside. All the essential items will be made available to labours at site only. If necessary, the workers can go outwearing PPEs, after informing supervisor. Similarly, no outside labour will be allowed at site without following proper procedure and instructions.
3. Start time on site will be staggered to avoid congestion at the entry gates. Number of workers working at a particular time / place will be reduced by making arrangements for different shifts / areas. Accordingly, additional staff such as security guards, supervisors etc. will be deployed.
4. As in most cases, workers reside at the Sites, hence there is no need for any travel. For Workers staying outside, (which are always nearby) special transportation facility will be arranged without any dependency on the public transport system.
5. During attendance, training and other sessions, social distancing guidelines will be followed along with provision of no-touch attendance.
6. Workers should not shake hands when greeting others and while working on the site.
7. Workers shall avoid contact with sick people and avoid going to site if they are feeling sick, have fever, cough or shortness of breath. In such case, supervisor should be informed immediately.
8. Workers with such symptoms should not come to site and should be placed in isolation and medical assistance will be provided on immediate basis.
9. Mandatorily wear face masks while working on site. While not wearing masks, worker shall cover his mouth and nose with tissues.
10. Cough/sneeze should be done in the crook of one's arm and your elbow.
11. Avoid large gatherings or meetings of 10 people or more. Stay at least 6 feet away from others on job sites and in gatherings, meetings, and training sessions.
12. Not more than 214 persons (depending on size) will be allowed to travel in lifts or hoists. Use of staircase for climbing should be encouraged.
13. Workers should clean hands frequently by washing them with soap and water for at least 20 seconds. When hand washing isn't possible, alcohol based hand sanitizer with greater than 60% ethanol or 70% isopropanol should be used.

14. Workers should not share their belongings like food, water bottles, utensils, mobile phones etc. with others.
15. The utensils should be washed properly post use at designated place.
16. Post work, workers should change their clothes before leaving the site and clothing should not be shook out.
17. Avoid touching eyes, nose, or mouth with unwashed hands.

C. Guidelines for Material, Tools, Machinery, Vehicles etc:-

1. Wipe down interiors and door handle of machines or construction vehicles, the handles of equipment and tools that are shared, with disinfectant prior to using.
2. Non-touch waste bin with disposable garbage bag should be installed for waste collection at all common access areas.
3. Proper disposal of garbage should be ensured.
4. At all point of time, easy access to parking should be ensured since public transit is limited.
5. All construction material arriving at site should be left idle for 3 days before use to ensure safe usage.
6. All vehicles and machinery entering the premise should be disinfected by spray mandatorily.

Emergency protocol in case of detection of symptoms of COVID 19 to be observed by Project Manager of Contractor:-

7. Immediate shift worker to isolation room. Inform the Engineer-In-charge CPWD or his Nodal officer.
8. Call for a doctor.
9. Keep worker under observation for a few days in isolation room. In case of doubt act per advice of local doctor.
10. Covid testing shall be arranged as per instruction of Doctor and if so advised by Doctor move worker to Hospital.
11. Prevent rumors and take strict action against those who spread it.

//Contractor//

Assistant Engineer(E)-III,

Schedule of work

Name of Work: Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR.

SL NO.	DESCRIPTION OF ITEM	QUANTITY		RATE	UNIT	AMOUNT	DSR-18 /MR
1	Supply of XLPE insulated PVC outer sheathed aluminium conductor armoured 1.1 KV grade UG cable conforming to IS: 7098 Part-I -1988 of following size as required.						
1.2	3 1/2 x 50 sqmm	180	Mtrs.	270.00	Metre	48600.00	MR
2	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc..direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.						
2.1	63 mm dia (OD-63 mm & ID-51 mm nominal)	160	Mtrs.	209.00	Metre	33440.00	14.16.1
3	Laying of one number PVC insulated and PVC sheathed I XLPE power cable of 1.1 kV grade of following size in the existing RCC/ HUMEI METAL pipe as required.						
3.1	Above 35 sq. mm and upto 95 sq. mm	160	Mtrs.	47.00	Metre	7520.00	7.5.3
4	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade as required.						9.1
4.1	3½ X 50 sq. mm (35mm)	4	Sets	329.00	Set	1316.00	9.1.22

5	Fabrication, supplying, Installation, testing and commissioning of outdoor type free standing weather & vermin proof flush finish compartmentalized, modular, totally enclosed type MV feeder pillar of size not less than 0.90mtr. (W) x 1.10mtr. (H) x 0.35mtr. deep made out of 2.0mm thick sheet steel with front and back hinged openable double leaf doors with panel lock including supplying and fixing following accessories inside the panel, drilling, welding, providing detachable gland plate / knock outs plate, connections, inter - connections with suitable size aluminium strips / earthing etc, as required. The cubicle board shall be provided with base channel of (ISMV 100 designation) of size 50 x 50mm including suitable cement concrete foundation painting the base channel with primer and finish paint, complete as per general arrangement drawing approved by Engineer-in-charge.						
	The feeder pillar shall generally conform to CPWD General Specifications for Electrical works, Part-I, Internal 2005, Part-II External 1994 and Part -IV substation equipment - 2007 as amended upto date.						
i)	63 Amps four pole, 25KA MCCB Thermal magnetic release, alongwith extended rotary operating handle and spreader links - 1 No. (Incoming)						
ii)	32 Amps four pole, MCB - 5 Nos. (Outgoing)						
iii)	63Amps, 4 strip aluminium bus bars of suitable length not less than 600mm of horizontal section - 1 Set.						
iv)	25mm x 5mm GI earth strip for entire width of cubical panel - 2 Nos.						
v)	M.V. Danger Notice Board.						
vi)	0-400Amps. 96mm x 96mm size Ammeter with selector switch - 1 Set.						
vii)	0-500Volts 96mm x 96mm size voltmeter with selector switch - 1 Set.						
viii)	600/5Amps. CT coils - 3 Nos.						
ix)	RYB LED Indication lamp & holder, toggle switch & 2A HRC fuse units base and carrier for all three phases - 1 Set.	1	Job.	44651.00	Job	44651.00	

6	Fabrication, supplying, Installation, testing and commissioning of outdoor type free standing weather & vermin proof flush finish compartmentalized, modular, totally enclosed type MV feeder pillar of size not less than 1.20mtr. (W) x 1.00mtr. (H) x 0.35mtr. deep made out of 2.0mm thick sheet steel with front and back hinged openable double leaf doors with panel lock including supplying and fixing following accessories inside the panel, drilling, welding, providing detachable gland plate / knock outs plate, connections, inter-connections with suitable size aluminium strips / earthing etc, as required. The cubicle board shall be provided with base channel of (ISMV 100 designation) of size 50 x 50mm including painting the base channel with primer and finish paint, complete as per general arrangement drawing approved by Engineer-in-charge.						
	The feeder pillar shall generally conform to CPWD General Specifications for Electrical works, Part-I, Internal 2005, Part-II External 1994 and Part -IV substation equipment - 2007 as amended upto date.						
i)	100 Amps four pole, 25KA MCCB Thermal magnetic release, alongwith extended rotary operating handle and spreader links - 1 No. (Incomer)						
i)i	63 Amps four pole, 25KA MCCB Thermal magnetic release, alongwith extended rotary operating handle and spreader links - 3 Nos. (Outgoing)						
iii)	10-Amps, 4 strip aluminium bus bars of suitable length not less than 600mm of horizontal section - 1 Set.						
iv)	25mm x 5mm GI earth strip for entire width of cubical panel - 2 Nos.						
v)	M.V. Danger Notice Board.						
vi)	0-400Amps. 96mm x 96mm size Ammeter with selector switch - 1 Set.						
vii)	0-500Volts 96mm x 96mm size voltmeter with selector switch - 1 Set.						
viii)	600/5Amps. CT coils - 3 Nos.						
ix)	RYB LED Indication lamp & holder, toggle switch & 2A HRC fuse units base and carrier for all three phases - 1 Set.	1	Job.	71351.00	Job	71351.00	
7	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	4	Sets	6216.00	Set	24864.00	5.4

8	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	20	Mtrs.	483	Metre	9660.00	5.12
9	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	20	Mtrs.	206	Metre	4120.00	5.15
						245522.00	
	Add Cost index @ 11.017% on SR items			80920		8914.96	
						254436.96	
Say Rs.						254437.00	
(Rupees two lakhs sixty seven thousand one hundred and fifty nine only)							

Assistant Engineer (E)
HCESD-III, CPWD, NPA,
Hyderabad.

Central Public Works Department



N.I.T. No: 86/AE(E)-III/EE(E)-Hyd./2021-2022

Name of work: Providing of 30 KWP on grid interactive Solar PV system at ICAR, Directorate of Poultry Research, Rajendranagar, Hyderabad. SH: Providing electrical connection to Brooder shed in New Campus of DPR.

ABSTRACT OF COST

Name of the Contractor

Sl. No.	Name of component	Estimated cost	Percentage above or below the estimated cost	% in Figures	Total Cost
1	Electrical	2,54,437.00			-
	Grand Total				-

Important Note:

1. The Estimated Cost Put to Tender has been worked out by DSR 2018 items and considering the Market Rates for NSR items.
2. The tenderer is required to quote a single consolidated Percentage only above/below Estimated Cost to cover all the rates of all the items. This column should not be left blank, otherwise the tender shall be treated as INVALID.
3. The Percentage shall be typed only in figures upto 2 (two) places of decimal along with algebraic sign.
4. The tenderer shall enable the macros before entering the figures, to see the quoted percentage and amount in words.
5. If the Percentage quoted both in words and figures are not clear, or if the rate is not quoted in Percentage, the offer will be treated as INVALID.

//Contractor//

Assistant Engineer (E)-III