



Government of India
Department of Atomic Energy
GLOBAL CENTRE FOR NUCLEAR ENERGY PARTNERSHIP

Ref: GCNEP/NIT/21/09-57

Date: 21/09/2021

NOTICE INVITING TENDER

Project Director, GCNEP, Bahadurgarh, Haryana, on behalf of the President of India invites sealed item rate tender (under Two stage system), from reputed, qualified, experienced, technically and financially sound agencies for “**Installation, testing and commissioning of data networking and e-surveillance Infrastructure at GCNEP Gate Houses, Bahadurgarh, Haryana**”. The details are as mentioned below.

SECTION-I

**PART A: INSTRUCTIONS FOR SUBMITTING THE
TENDER**

1.	The intending bidders must read the terms and conditions of the tender document. A bidder should submit bids only if he considers himself eligible and is in possession of all required documents.
2.	The information and instruction for bidders along with technical bid and financial bids etc. posted on portal shall form part of the bid document.
3.	CORRIGENDUM(s), IF ANY, SHALL BE UPLOADED ON CPPP PORTAL: https://eprocure.gov.in/eprocure/app .
4.	If an agency is found ineligible, after opening of Eligibility Bid, his tender shall become invalid and the tender fee shall not be refunded.

PART B: NIT DETAILS

NIT Number	GCNEP/NIT/21/09-57 Date: 21/09/2021
Name of works	Installation, testing and commissioning of data networking and e-surveillance Infrastructure at GCNEP Gate Houses, Bahadurgarh, Haryana
Location of work	GCNEP Township & GCNEP Office, Jasaur-Kheri & Kheri-Jasaur, Bahadurgarh, Haryana
Tender Cost	Rs.500/- (Rupees Five hundred only) Cost (non-refundable, non-transferable) Payable in the form of DD/Pay Orders drawn in favor of 'Pay and Accounts Officer BARC', payable at Mumbai. <i>Note: Original hard copy of the Tender fee DD should be submitted either by hand against receipt or by post at Global Centre for Nuclear Energy Partnership (GCNEP), Kheri Jasaur, Bahadurgarh, Haryana, 124505</i>
Estimated Cost	Rs 37,00,000/- (Rupees Thirty-Seven Lakh only)
Earnest Money Deposit	Bid security declaration form
Completion Period	Twenty Six months
Security Deposit	2.5% of the tendered value; deductible from each running bill and/ or/ as well as final bill of the agency, as applicable
Performance Guarantee	3% of the tendered value
Availability/ Sale of Tender	from 01/10/2021 at 15.00 Hrs
Submission of tender	Two Stage Bid System
Pre-Bid Meeting	07/10/2021 at 11.30 Hrs., Venue: Global Centre for Nuclear Energy Partnership (GCNEP), Kheri Jasaur, Bahadurgarh, Haryana, 124505 Contact: 01276 225 200, 01276 225 217
Due date & time for Submission of quotations	13/10/2021 up to 15:00Hrs
Contact	Tel: 01276-225200, 01276-225217, Email: help@gcnep.gov.in

Note:

- 1. GCNEP reserves the right to accept or reject all/ any application(s), without assigning any reason thereof. The applications with any condition shall be rejected forthwith.**

PART C: REQUIREMENTS AND ELIGIBILITY CRITERIA

1.	<p>Agencies that fulfill the following requirements shall ONLY be eligible to apply. Joint ventures are not accepted.</p>
2.	<p>Agency should be an Indian registered Company and must have at least three (03) years of providing DATA NETWORKING or E-SURVEILLANCE Works experience in India, ending previous day of the last day of submission of tender.</p>
3.	<p>The agency must have a registered office, with valid PAN, GST numbers etc. The agency must furnish a copy of PAN, GST, ESI & EPF details along with the quote as per extant rules.</p>
4.	<p>The agency should have adequate financial stability & status to meet the financial obligations of the scope of work. CA Certificate of Financial Turnover for the last three consecutive financial years should be furnished.</p>
5.	<p>The agency should not have incurred losses in more than one year during the last three financial years.</p>
6.	<p>The agency should have satisfactorily completed similar works during the last three years ending previous day of last date of submission of tenders. For this purpose, cost of work shall mean gross value the completed work including cost of material supplied by the Government/Client but excluding those supplied free of cost. This should be certified by an officer not below the rank of Project Manager/ Engineer-In-Charge or equivalent.</p> <p>Completed THREE similar works each of value not less than the amount equal to 40% of the Estimated cost put to this tender.</p> <p>or</p> <p>Completed TWO similar works each of value not less than the amount equal to 60% of the Estimated cost put to this tender.</p> <p>or</p> <p>Completed ONE similar work of value not less than the amount equal to 80% of the Estimated cost put to this tender.</p> <p>Important Notes:</p> <p>i) Similar work shall mean: Providing DATA NETWORKING or E-SURVEILLANCE WORKS.</p> <p>ii) 'Cost of work' shall mean gross value of the completed work including the cost of materials supplied by the Client, but excluding those supplied free of cost. The value of executed works shall be brought to the current costing level by enhancing the actual value of work at a simple rate of 7% per annum; calculated from the date of completion to the last date of receipt of applications for tender.</p>

7.	The agency should have a solvency of 40% of the Estimated Cost put to this tender.
8.	<p>The bidding capacity of the agency should be equal to or more than the estimated cost of the work put to tender. The bidding capacity shall be worked out by the following formula:</p> <p>Bidding Capacity = {[A x N x 2] – B}</p> <p>Where,</p> <p>A= Maximum turnover of similar works executed in any one year during the last three years taking into account the completed as well as works in progress. The value of completed works shall be brought to current costing level by enhancing at a simple rate of 7% per annum.</p> <p>N= Number of years prescribed for completion of work for which bids has been invited.</p> <p>B = Value of existing commitments and ongoing works to be completed during the period of completion of work for which bids have been invited.</p>
9.	<p>List of works in hand & List of similar works carried out by them for last 3 years indicating:</p> <p>i) Agency for whom executed, ii) Value of work, iii) Completion time as stipulated and actual, or present position of the work.</p>
10.	Department reserves the right of Non- consideration of Tender documents of the agencies who are not fulfilling the NIT stipulations and/ or having adverse report on the works carried out by them in the past.

PART D: General Rules and Directions

1.	Work order completion time is twenty-six months, i.e, two months is for SITC work and twenty-four months for on-site support and maintenance (CMC) work.
2.	Before Pre-Bid, it is advisable that all prospective bidders visit the premises and verify the actual scope of work. Such a visit, however, must be with a prior intimation to & approval of this office. GCNEP reserves the right to hold such technical discussions through video conference mode depending upon the pandemic situation if any such request is received from the agency (ies).
3.	The works have to be executed by a single party, Joint ventures are not acceptable. Partial quotes/ quotes for partial works are liable to be rejected without any further correspondence. No joint/ multi-party bidding is allowed.
4.	Agencies are requested to quote for above works per the enclosed specifications. All quotes must be accompanied by the make & model of the items offered for the proposed works, along with technical datasheets. Offers without technical details are liable to be rejected without any further correspondence.

5.	Taxes will be deducted from the running/ final bill as per the prevailing Government norms and a TDS Certificate will be issued for the same, as applicable.
6.	Signing of Tender: In the event of the tender being submitted by a firm, it must be signed separately by each partner thereof or in the event of the absence of any partner, it must be signed on his behalf by a person holding a power-of-attorney authorizing him to do so, such power of attorney to be produced with the tender, and it must disclose that the firm is duly registered under the Indian Partnership Act-1952.
7.	RESTRICTED INFORMATION: The agency shall ensure strict compliance of the instructions under Section 18 of the ‘Atomic Energy Act 1962’ and under Section 5 of the ‘Official Secrets Act 1923’. Any contravention of the above-mentioned provisions by the agency, sub-agency, consultant, advisor or the employees of an agency will invite penal consequences under the aforesaid legislation.
8.	Declaration by tenderer: The tenderers shall sign a declaration under the Official Secret Act-1923 for maintaining secrecy of the tender documents, drawings or other records connected with the work given to them. The unsuccessful tenderers shall return all the drawings given to them.
9.	Guidelines for quoting the rates: All rates shall be quoted on the prescribed tender form. The amount for each item should be worked out and requisite totals given. Special care should be taken to write the rates in figures as well as in words, and the amount in figures only, in such a way that interpolation is not possible. The total amount should be written both in figures and in word. In case of figures, the words “Rs.” should be written before the figures of rupees and word “P” after the decimal figures, e.g. “Rs. 2.15 P”, and in case of words, the word, “Rupees” should precede and the word “Paise” should be written at the end. Unless the rate is in whole rupees followed by the word 'only' it should invariably be up to two decimal places. While quoting the rate in schedule of quantities, the word 'only' should be written closely following the amount and it should not be written in the next line.
10.	Quoted rates to include all taxes: GST or any other tax applicable in respect of inputs procured by the agency for this contract shall be payable by the agency and his Department will not entertain any claim whatsoever in respect of the same. However, component of GST at the time of supply of service provided by the agency shall be varied if different from that applicable on the last date of receipt of tender including extension, if any.
11.	Filling-up of Financial Bid: Unless otherwise called for, any tender containing percentage abnormally below / above the estimated cost put to tender is liable to be rejected. All rates shall be quoted on the tender form by the tenderers in figures and words shall be accurately filled in, so that there is no discrepancy in the rates written in figures and in words. The amount for each item should be worked out and requisite totals given. However, i) The rate(s) must be quoted in decimal coinage. Amounts must be quoted in full rupees by ignoring fifty paise and considering more than fifty paise as rupee one.

	<p>ii) If a discrepancy is found, the base rates which correspond with the amount worked out by the agency shall, unless otherwise proved, be taken as correct.</p> <p>iii) If the amount of an item is not worked out by the tenderer, or it does not correspond with the rate written either in figures or in words, then the rates quoted by the tenderer in words shall be taken as correct.</p> <p>iv) Where the rate quoted by the tenderer in figures and in words tally but the amount is not worked out correctly, the rate quoted by the tenderer will, unless otherwise proved, be taken as correct and not the amount.</p> <p>v) In event no rate has been quoted for any item(s), leaving space both in figure(s), word(s), and amount blank, it will be presumed that the agency has included the cost of this / these item(s) in other items and rate for such item(s) will be considered as zero and work will be required to be executed accordingly.</p>
12.	Action in case of unrealistic rates: In the case of any tender where unit rate of any item (s) appear unrealistic, such tender will be considered as unbalanced and in case the tenderer is unable to provide satisfactory explanation, such a tender is liable to be disqualified and rejected.
13.	<p>Furnishing of PG & SD on acceptance of Tender:</p> <p>i) The tenderer, whose tender is accepted, will be required to furnish performance guarantee of 3% of the tendered amount within the period specified in Annexure-B (Section-III). In addition to other deposits for his proper performance of the contract agreement. The guarantee shall be in the form Demand Draft / Pay Order / Banker's cheque issued by a Scheduled Bank (in case guarantee amount is less than Rs.1,00,000/-) or Government Securities / Fixed Deposit Receipt (FDR) or Guarantee Bonds of any Scheduled Bank or The State Bank of India in accordance with the prescribed form. The performance guarantee is to be submitted in favor of Project Director, GCNEP and should be submitted within 15 days of the issue of Work Order, failing which EMD deposited will be forfeited absolutely.</p> <p>ii) The tenderer, whose tender is accepted, will also be required to furnish by way of Security Deposit for fulfillment of his contract, an amount equal to 2.5% of the tendered value of the work. The security deposit will be collected by deduction from the running billss of the agency s at the rates mentioned above. The security amount will also be accepted in cash or in the shape of Government Securities. Fixed Deposit Receipt (FDR) of a Scheduled bank will also be accepted for this purpose, provided confirmatory advice is enclosed.</p>
14.	Agency has to maintain Photo Identity card (same colour and pattern for everybody) in format as approved by GCNEP with details regarding full name, age, identification marks, signature of the bearer and also of the issuing authority with a seal. A duplicate of this Identity Card has to be made available with GCNEP Security-In-Charge.
15.	The agency shall ensure that their workforces are performing their duties properly, efficiently and in a disciplined manner. Any violation of Code of Conduct as notified

	by Engineer-In-charge (EIC) GCNEP shall amount to penalties/ termination of contract.
16.	Any theft or damage caused to GCNEP property due to negligence of the Agency shall be borne by the Agency. An amount equal to twice the value of theft or damaged item will be deducted from the monthly bill / security deposit of the Agency. Repeated/ gross violation shall amount to termination of contract.
17.	The works will be carried as per the daily/weekly schedule or as per directions of EIC and shall be responsibility of Agency to fulfill it.
18.	No items will be taken in/ out of the GCNEP without written permission of the GCNEP Engineer-In-charge.
19.	The safety & security of workforce shall be the responsibility of the Agency. The Agency should have a qualified person carrying out contractual obligations.
20.	Any delay in service/ failing to comply with tender conditions which is attributable to the agency is liable for penalty. Compensation for delay of work: upto 1.5% per month of delay to be computed on per day basis. Provided always that the total amount of compensation to be paid under this condition shall not exceed 5% of the tendered value of work or of the tendered value of the item or group of items of work for which a separate period of completion is originally given. The amount of compensation may be adjusted or set-off against any sum payable to the Agency under this contract.
21.	If required, the interested agencies can plan a visit to Office Site for mapping the exact requirements but with a prior intimation & approval of this office only.
22.	Cost of Bidding: The Bidder shall bear all costs associated with the preparation and submission of his bid and department will in no case be responsible and liable for these costs.
23.	Language of the Bid: All documents relating to the bid shall be in the English language, unless stated otherwise. The offers should be type written.
24.	The Security Deposit and Performance Guarantee shall be refunded to the agency after the completion of contract period.
25.	The agency shall not sub-contract any work without written consent from GCNEP.
26.	The quoted rate should be inclusive of all transportation, loading/ unloading, delivery or any other consequential charges. No extra costs shall be payable beyond the quoted price.
27.	The agency shall work in close cooperation with other agencies working at site, so as to make the execution of works smooth.
28.	PROHIBITION AGAINST USE OF GCNEP'S NAME WITHOUT PERMISSION FOR PUBLICITY PURPOSES: The agency, sub-agency, consultant advisor or the employees engaged by the agency shall not use GCNEP's name for any publicity purpose through any public media like Press, Radio, Television or internet without the prior written approval of GCNEP.

29.	<p>Note: CONDITIONS AND CLAUSES OF CONTRACT are applicable as per document available under the Section 'Tenders' of the website www.dcsem.gov.in. The same documents can be downloaded from the above website.</p> <p>In this document, organization name GCNEP is to be considered in place of DCSEM.</p>									
30.	<p>No housing accommodation will be provided by GCNEP to the workforce employed by the agency. No medical facilities will be provided by GCNEP to the workforce employed by the agency. The shortlisted Firm/ Agency shall be responsible for meeting the medical treatments of its engaged workers. The firm/agency shall also maintain an 'Emergency Medical Kit', one at each site, for its workers.</p>									
31.	<p>No other support including conveyance to the place of duty will be provided by GCNEP to the workforce employed by the agency.</p>									
32.	<p>In case of unsatisfactory performance/ works, agency will be issued one-month notice for improvement. If satisfactory improvement is not noticed even after this notice period, a termination notice will be issued to the agency. During the notice period, the agency shall continue to discharge its duties/ obligations as per the terms and conditions of this contract. Notwithstanding any clauses, contract can be terminated with immediate effects on disciplinary grounds.</p>									
33.	<p>Either party can terminate the contract by giving two-month notice. During any notice periods, the agency should continue to discharge its duties/ obligations as per the terms and conditions of this contract. Any deficiency in work/ services will attract penalty/fine.</p>									
34.	<p>In case or situation, beyond the control of either party, the contract may be terminated with mutual consent by giving two-month notice without any degradation in Works. Any degradation in work will be subjected to penalty.</p>									
35.	<p>The agency shall handover vacant premises to GCNEP and should return all the equipment/fixtures/ items/ facilities etc. issued/ handed over to the agency during the contract, once the contract period is over/ terminated or on demand by GCNEP.</p>									
36.	<p>Penalty/ Deductions Any deterioration/ deficiency in works and delay in on-demand items shall attract deduction/ penalty/ fine under the following provisions:</p> <table border="1" data-bbox="358 1415 1390 1667"> <thead> <tr> <th data-bbox="358 1415 444 1497">Item No</th> <th data-bbox="444 1415 1065 1497">Item Description</th> <th data-bbox="1065 1415 1390 1497">Rate of Penalty/ Deductions</th> </tr> </thead> <tbody> <tr> <td data-bbox="358 1497 444 1598">i)</td> <td data-bbox="444 1497 1065 1598">Complaint regarding SITC work under item no 1</td> <td data-bbox="1065 1497 1390 1598">@Rs. 500/ complaint/ day</td> </tr> <tr> <td data-bbox="358 1598 444 1667">ii)</td> <td data-bbox="444 1598 1065 1667">Complaint regarding CMC work under item no 2</td> <td data-bbox="1065 1598 1390 1667">@Rs. 200/ complaint</td> </tr> </tbody> </table> <p>Note: Appropriate penalty/ deduction for any other complaint reported, will be imposed by GCNEP authorities, subject to a maximum of Rs. 5000 per day, depending upon the graveness of charges/ deficiencies. Any complaint regarding deterioration/deficiency of works shall be registered by the users in the complaint register and the final decision would be taken by GCNEP authorities. GCNEP reserves the right for such deductions</p>	Item No	Item Description	Rate of Penalty/ Deductions	i)	Complaint regarding SITC work under item no 1	@Rs. 500/ complaint/ day	ii)	Complaint regarding CMC work under item no 2	@Rs. 200/ complaint
Item No	Item Description	Rate of Penalty/ Deductions								
i)	Complaint regarding SITC work under item no 1	@Rs. 500/ complaint/ day								
ii)	Complaint regarding CMC work under item no 2	@Rs. 200/ complaint								

	from the running/ final bill/ PG/ Security Deposit. All penalties/ deduction will be made from the running bills.
37.	<p>BILLS AND PAYMENTS:</p> <ul style="list-style-type: none"> i) No advance payment will be made to Agency. For Supply, installation, testing and commissioning (SITC) work, payment shall be made on satisfactory completion of SITC job and on receipt of the pre-receipt/ bills along with the following documents <ul style="list-style-type: none"> a) PAN Number, GST Number & Service Tax registration number b) The bank details, i.e., Name & address of Bank, Cancel cheque, IFS code, nature of account etc. c) Copy of GST returned filled in previous month ii) First year comprehensive on-site support and maintenance (CMC) shall be provided without any extra cost. iii) Second Year comprehensive on-site support and maintenance (CMC) payment shall be made after successful completion of second year. iv) The payment shall be made through RTGS/ ECS. v) The Agency will be liable to pay for any expenses, loss or damage, which GCNEP may incur or sustain for reason attributable to lapses by the Agency. vi) The Agency will not be eligible to claim any interest on account of delay in receiving any payment.
38.	The Employer shall not be liable for or in respect of any damages or compensation payable to any workman under Compensation – Act for death or injury resulting from any act or default of the contractor. The contractor shall indemnify and keep indemnified the Employer against all such damages and compensation and expenses whatsoever in respect thereof or in relation thereto.
39.	<p>JURISDICTION AND ARBITRATION:</p> <ul style="list-style-type: none"> i) “Ignorantia juris non excusat” or Ignorance of Law is no excuse; hence the proprietors should have thorough knowledge of contract and Labour Laws and other statutory components as revised from time to time. ii) The proprietor will have to present himself in person for all dealing with GCNEP. No dealing through representative on Power of Attorney is permitted. iii) Arbitration: <ul style="list-style-type: none"> a. Any dispute or differences of any nature whatsoever, any claim, cross claim, counter claim or set off of GCNEP against the Agency or regarding any right, liability, act, omission on account of any of the parties hereto arising out of or in relation to this agreement shall be referred to the sole arbitration of GCNEP. The Agency will not be entitled to raise any object to any such arbitrator on the ground that the arbitrator is an officer of GCNEP or that he has dealt with the matters to which the contract relates or that in the course of his duties as an officer of GCNEP, he has expressed views on all or any other matters in dispute or difference. In the event of the arbitrator to whom the matter is originally referred being transferred or vacating his office or being unable to act for any reason, GCNEP can designate another person to act as an arbitrator in accordance with the terms of agreement to the end and intent that original arbitration shall be entitled to continue the arbitration proceedings notwithstanding his transfer or vacation of office. If GCNEP does not designate another person to act as arbitrator such person shall be entitled to proceed with the reference from the point at which was left by his predecessor. It is also a

	<p>term of contract that no person other than a person nominated by GCNEP shall act as arbitrator hereunder. The award of the arbitrator so appointed shall be final, conclusive and binding on all the parties to the agreements subject to the provisions of the Arbitration Act, 2019 or any statutory modification or re-enactment thereof and the rules made there under for the time being in force shall to the arbitration proceedings under this clause.</p> <p>b. The award shall be in writing and published by the arbitrator within twelve months of entering the reference or within such extended time not exceeding further twelve months as the parties may agree in writing.</p> <p>Jurisdiction: Any application or other proceeding in respect to anything arising under the agreement shall fall in the jurisdiction of the court in the district of Jhajjar (Haryana) alone. Any award or awards made by the sole arbitrator here under shall be filed in the concerned courts in the district of Jhajjar (Haryana) only.</p>
40.	The inventory of articles will be handed over to the agency in good and working condition at the time of commencement of works.
41.	The operational area included in scope of work shall consists of all locations within GCNEP Campus & Township. This shall include all existing operational buildings or any other additional facility which is made operational within GCNEP campus & Township.
42.	Project Director, GCNEP reserves the right to accept / reject any or all quotations without assigning any reason.
43.	The offer should be valid for a minimum of 75 days.
44.	If for unforeseen reasons (i) Pre-Bid Meeting date, (ii) Due date for Submission of quotations and (iii) Date & time for opening of Eligibility & Technical Bid falls on a Government Holiday, the corresponding date should be considered as the next working day.
45.	The quoted rates should remain firm throughout the contract period.
46.	GCNEP reserves the right to accept / reject any or all quotations without assigning any reason.

PART E: Document Checklist

i) Document Checklist for ELIGIBILITY BID
Sealed Cover-I super-scribed “ELIGIBILITY” must contain the following documents:
1) DD/Pay Order towards the Tender Cost (non-refundable, non-transferable).
2) Earnest Money Deposit (EMD) Undertaking letter.
3) Duly filled Annexure-A & A1 (Section-III), on company letterhead.

ii) Document Checklist for TECHNICAL BID									
Sealed Cover-II super-scribed “TECHNICAL BID” must contain the following documents:									
1) Forwarding Letter clearly indicating the details of the documents attached with the offer.									
2) Duly filled Annexure-B (Section-III) , on company letterhead.									
3) Duly filled Annexure-C (Section-III) , on company letterhead.									
4) Self-attested copy of Company Registration Certificate.									
5) Self-attested copy of copy of GST number, PAN number, PF registration number, ESI number/ certificates.									
6) Latest Bank Solvency Certificate.									
7) CA Certificate of Financial Turnover for the last three consecutive financial years.									
8) The Profit/ Loss statement of the company for the last three years, ending 31 st March 2021.									
9) Power of Attorney/ Authorization for signing the bid documents.									
10) Signed & Stamped copy of SECTION-I and SECTION-II of this Tender document.									
11) Details of Relative in GCNEP/DAE (if any): Name, Unit, Position Held, Relationship (for more information please refer Enlistment Rules, CPWD Works Manual).									
12) Signed and stamped copies experience certificates									
13) Undertaking letter for service support in India.									
The agency should have following OEM qualifications:									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Category No.</th> <th style="width: 35%;">Category</th> <th style="width: 50%;">OEM Name</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">I</td> <td>Network equipment</td> <td>Ruckus/Ubiquiti/Juniper/ or equivalent</td> </tr> <tr> <td style="text-align: center;">II</td> <td>NVR & CCTV</td> <td>Impulse/ Honeywell/Bosch/ or equivalent</td> </tr> </tbody> </table>	Category No.	Category	OEM Name	I	Network equipment	Ruckus/Ubiquiti/Juniper/ or equivalent	II	NVR & CCTV	Impulse/ Honeywell/Bosch/ or equivalent
Category No.	Category	OEM Name							
I	Network equipment	Ruckus/Ubiquiti/Juniper/ or equivalent							
II	NVR & CCTV	Impulse/ Honeywell/Bosch/ or equivalent							
The agency must have OEM Certified engineers with minimum 3 years of experience with anyone of the OEM in each Category No.									
Or,									
Agency must have an OEM Authorization Certificate from anyone of the OEM in each Category No., for handling/ servicing the equipment.									
14) The agency must submit the list of such qualified engineers in each Service & Installation category who are in the agency payroll on their letter. The agency should carry such document while visiting GCNEP Office.									
15) Any additional documents in support, as found suitable by the agency.									

iii) Document Checklist for FINANCIAL BID
Sealed Cover-III super-scribed “FINANCIAL BID” must contain the following document(s):
1) Duly filled-in, Signed & Stamped copy of Annexure-D (Section-III) , on company letterhead.

-Sd-

**Project Director
Global Centre for Nuclear Energy Partnership
For & on behalf of the President of India**

Enclosed:

1) Section-I to III

Total No. of Pages in this document: 26 Pages

Annexure 1

ON LETTER HEAD

Ref No.

date

To

Project Director
GCNEP, Bahadurgarh
Haryana 124505

Subject: Details of Relative in DAE/GCNEP

Dear Sir,

The details of relatives in DAE/GCNEP are as follow:

Sl No	Name	Employee No.	Designation	Unit Name	Relationship
1.					
2.					
3.					
4.					

Place:

Date: /___/_____

Signature

Name of the Signatory
Name of the firm/agency
Seal of the firm/agency

Note: If NO relative is working in DAE/GCNEP than give the NIL declaration

SECTION-II

TECHNICAL SPECIFICATIONS

1. Detailed Scope of Work

Global Centre for Nuclear Energy Partnership (GCNEP) is one of the units of Department of Atomic Energy (DAE) at Jasaur Kheri and Kheri Jasaur, Bahadurgarh, Haryana. The work is spread across two sites – (a) GCNEP Township and (b) GCNEP Campus. The approximate separation via road between GCNEP Township and GCNEP Campus is 2 Km. The technical scope of works is as follows:

Item No	Item name	Item description	Item Qty	Unit
1.	Supply, Installation, testing and commissioning (SITC) work	<p>a) Supply, fabrication & installation of four numbers of chemical earthing each inclusive of preparation of earth pit of dimension (2 X 2 X 6 ft) (LXBXD) with cover, earthing copper pipe, wall mounted studs, copper strip, Brass nut & bolts, cable termination. The chemical earthing should be complete in all respect with ground resistance value of 5.0 ohms or less.</p> <p>b) Six numbers of Layer 2 switches each with 24-port 1 GbE switch with PoE, Minimum 4 nos. of POE+, All Managed Ports, one 1GbE, PoE ports, SFP uplink/ stacking ports, 16/24Gbps aggregated stacking bandwidth, 500W internal AC power supply rating, 24 POE class 3 ports, 52Gbps switching data rate full duplex, 35Mpps forwarding data rate full duplex, should support upgrade option to minimal L3 capabilities, 16000 MAC addresses, 255 VLANs with Tagging, CE/FCC/IC/IEC, RoHS , IEEE standards: 802.3af PoE and 802.3at PoE+, 802.1X, 802.1AB, 802.1D-2004, 802.1p, 802.1Q with Tagging, 802.1s, 802.1w, 802.1x, 802.3 10BASE-T, 802.3ab 1000BASE-T, 802.3ad, 802.3ae, 802.3u 100BASE-TX, 802.3x, 802.3z 1000BASE-SX/LX, 802.3,heat dissipation (no PoE load) 105 BTU/hr, support for SecureShell (SSHv2), AES with SSHv2,SCP, DHCP snooping, SNMPv2, SNMPv3, TACACS/TACACS+ and RADIUS authentication, Size: 1U; operating temperature range: 0°C to 40°C; operating relative humidity: 15% to 90%, non-condensing; Preferred makes: Ruckus/Ubiquiti/Juniper or equivalent / better.</p> <p>c) Four numbers of 16- Channel Network Video Recorder each with Internal Storage capacity: 6 numbers of 6TB SATA 24x7 Video Surveillance grade HDD (total: 36TB), Recording</p>	1	Set

Bandwidth: 100Mbps, Recording Resolution: 2MP(1080P), 1.3MP (960P), 1.0MP (720P), Display Split: 1/ 4/ 6 /8/9/10/13/14/16, Output Interface: 1 HDMI, 1 VGA, Display Resolution: 1024*768, 1280*720, 1280*1024, 1440*900, 1920*1080, 1680*1050, 1600*1200, 1900*1200, 2560*1440,3840*2160, Alarm Input: 16 channel; relay output: 6 channel, Audio Input/Output support: yes; Ethernet: RJ-45 port (1000M), Sata : yes, USB interface: 2 x USB, ONVIF: yes, Power Supply: AC 100~240V, Certifications: CE, FCC, operating temperature range: 0°C to 40°C; operating relative humidity: 15% to 90%, non-condensing; Preferred makes: Impulse/Honeywell/Bosch or equivalent / better.

d) Six numbers of Wireless access point each with IEEE 802.11a/b/g/n/ac Dual-band concurrent (5GHz/ 2.4GHz), RF power output: 12dBm for 2.4GHz and 10dBm for 5GHz, Client Support: Concurrent station Up to 10 clients per AP, Open communication protocol support, Frequency band: IEEE 802.11b/g/n, 2.4–2.484GHz, IEEE 802.11a/ac, 5.15–5.25GHz, 5.25–5.35 GHz, Antenna Gain: 3dBi physical antenna gain, IP multicast video streaming support, pre-user rate-limiting for hotspot WLANs, 802.1X support for RADIUS and Active, Directory, Admission control/ load balancing, airtime fairness support, guest accounts, should support standalone deployment, Secure Hot spot feature, Data Rate: 802.11n/ac: 6, 9, 12, 18, 24, 36, 48, 54 Mbps, Security: WPA-PSK, WPA-TKIP, WPA2, AES, 802.11i, Authentication via 802.1X, local authentication database, support for RADIUS, LDAP, Ethernet port 2 auto MDX (one in & one out Ethernet port), auto-sensing, 10/100/1000 Mbps, RJ-45, POE port, Power: 12 VDC 1.0A, PoE 802.3af, Lock option: Hidden latching mechanism, Kensington Lock Hole, Operating Temperature: 0°C - 40°C, operating Humidity: 15% to 90%, non-condensing; Certifications: Wi-Fi Alliance certified, Inclusive of mounting bracket/arrangement for false ceiling/wall, preferred makes: Ruckus/ Fortinet /Ubiquiti or equivalent / better.

e) Two number of 42 U Network Rack with Rack Height: 42U, Rack Width: 19”, Colour: Black, Type: Floor Standing, Wight capacity: Static load-1000 kg, Dynamic load- 450 kg, Approximate depth (mm): 1100, Inclusive of top & bottom end frame assembly, side covers, top cover, bottom cover, 19” mounting angles, depth support channel, lockable biometric/access enabled single front door (Hex perforated), levelling legs, one keyboard tray with BB slides (Rotary type),

racks should have rear cable management channels, roofs and base cable access, wire manger two vertical and four horizontal, power distribution unit vertical 12, socket 5/15 Amp with 32 Amp MCB and indicator and 3m cable and 3 pin plug, electronically controlled circuits for surge and spike protection, both the front and rear doors should be designed with quick release hinges allowing for quick and easy detachment without use of tools, fan tray- fan 90CFM 230V AC, 4" dia (4 Nos.), fan housing unit 4 fan position (Top mounted), openable side panels, with castor wheels and lock. Aluminium extrusion four pillars based basic structure, CRCA steel sheet top, bottom, side panels/covers, secured and safe 4 side locking, top and bottom cable entry provision with cable entry gland plates. IP31 rated; Certification: Standard finish power, ISO or OHSAS certified Rack should include power distribution boards (PDB) full-height side panels, roof, door keys, adjustable vertical mounting rails, perforated front & rear door for ventilation, rack mounted humidity & thermal sensor monitoring over network.

f) Supply, laying of 400 m armoured 6 core single mode optical fibre cable in 1 inch HDPE pipe with proper clamping, including 24 end termination, twelve FTE converter pair/SFP module. This includes road crossing of approx. 30 m X 2 feet (L X D) soft digging with route markers.

S. No.	Particulars	Specifications
1	Type of Fibre	Single Mode
2	Specification	IEC 60793-2-50, ITU G.652
3	Construction	Uni tube or Multi-Fiber loose tube jelly filled
4	No. of fibers	6
5	Armoring	Armoured required
6	RoHS Compliant for outer sheath	Yes
7	Single Mode Fibers	G652.D
8	Attenuation at 1310 nm	< = 0.36 dB/Km
9	Attenuation at 1550 nm	< = 0.22 dB/Km
10	Fiber cutoff wavelength	<1260 nm

11	Operating Temperature	- 5° C to +60 ° C
12	Laying	Direct Burial (Underground)/ Inside HDPE conduit /casing & capping (Above Ground)
13	Make	Finolex/Legrand/ or equivalent / better

g) Five numbers of fish eye imaging/ surveillance device each with 5m built-in IR illuminator, Image Sensor: 1/1.8” progressive scan CMOS, Full HD(1080P), Colored image, minimum illumination: 0.04 lux color/0.002 lux B/W with IR LEDs on @ F2.0/F2.8; shutter speed: 1/3-1/10000s; WDR: yes; lens stereo projection- ½” fisheye, FOV- 180° @ full resolution, Backlight compensation, noise reduction: 2D/3D DNR/ Colour NR, ide Dynamic Range, Brightness- manual, ICR- auto, IR thresholds-adjustable levels, motion detection, tampering alarm, audio detection, network failure detection, built-in speaker, Video Compression: G.711/G.726/ H.264, sampling rate- 8KHz, Network Interface: RJ-45, audio I/O- line in/ line out, POE: Yes, Operating Conditions: 0°C-40 °C, ONVIF support: yes; micro SD support: yes (128 GB); relative humidity: 15 to 90%, non-condensing; Weather Proof: IP66, IK rating: IK 10; Certifications: CE, FCC, RoHS; Inclusive of junction boxes, mounting brackets/ arrangements. Preferred makes for surveillance device: Impulse/ Honeywell/Bosch or equivalent / better.

h) Seven numbers of dome imaging/ surveillance devices each with 40m IR, inbuilt SD card interface, IP/ PoE dome imaging device with Image Sensor: 1/3” progressive scan CMOS, Image Resolution: 3 Megapixel (2048x1536), Image Type: Colored, Lens:2.7mm, LUX: minimum illumination: color: 0.01 lux@f/1.6, B/W: 0lux@1.6 (IR on); shutter speed: 1/3-1/10000s; WDR: yes; Day & Night: IR cut filter with auto switch, Wide Dynamic Range: Digital wide dynamic, Digital noise reduction: 2D/3D DNR, Video Compression: MJPEG/ H.264, Local recording, with micro SDHC/ SDXC slot & 64GB Micro SDHC Class 10, Event based recording, ONVIF support, Ethernet interface, POE, Operating Conditions: 0°C - 40 °C, Humidity: 15 to 90%, non-condensing , IK rating: IK10; Audio/microphone- yes (included in scope), Weather Proof: IP66, Certifications: CE, FCC, RoHS; Inclusive of junction boxes, mounting brackets/ arrangements, preferred makes: Impulse/ Honeywell/Bosch or equivalent / better.

i) Twenty six numbers of Outdoor Bullet imaging/surveillance device each with 60m IR, Varifocal with IP/ PoE outdoor Image

Sensor: 1/2.8" progressive scan CMOS, Image Resolution: Full HD (1080P), Image Type: Color, LUX: minimum illumination: color: 0.05 lux@f/1.6, B/W: 0lux@1.6 (IR on); Slow shutter: Supported, Lens: 2.7-12mm Manual/Varifocal, Day & Night: IR cut filter with auto switch, Digital wide dynamic, 2D/3D DNR Digital noise reduction, Video Compression: H.265/ MJPEG/ H.264, Mainstream Frame Rate: (default 30fps / 2MP), ACC format, ONVIF support, Communication Interface: Ethernet interface, POE: Yes, Operating Conditions: 0°C - 40 °C, Humidity: 10- 95%, non-condensing; shutter speed: 1/3-1/10000s; WDR: yes; Weather Proof: IP66, IK Rating: IK10 Certifications: CE, FCC, RoHS; Inclusive of junction boxes, mounting brackets/ arrangements, preferred makes: Impulse/ Honeywell/ Bosch or equivalent / better.

j) Eight numbers of IP/ PoE+ PTZ imaging/surveillance device each with 80m IR, SD recording interface Image Sensor: 1/2.8" progressive scan, CMOS sensor, Video Standard: H.264, H.265, MJPEG, Effective Pixels: 2MP, Lens: 25x optical zoom, Horizontal FOV: 59~2.4°, Focal Length: 4.5mm - 120mm, Focus Control: Auto, Manual, Max Aperture: F1.6~F4.4, Resolution: 1080p (1920×1080p) / 720p (1280×720) / D1 (704×576/704×480) / CIF (352×288/352×240), Video Streams: Triple Streams, Video Out: PAL / NTSC, Day and Night: Yes, automatically removable IR-cut filter (ICR) with modes control, Minimum Illumination Colour: 0.05Lux@F1.6, Imaging: Individually configurable white balance modes, gain control, backlight compensation, multi-zone privacy masks, noise reduction, and video orientation controls, Automatic electronic shutter: 1/1~1/3000s, Input/ Output: 1 x audio line input, 1 x audio line output, Pan: Pan: 0° ~ 360° endless; Manual Pan Speed : 0.1° ~200° /s; Tilt: -15° ~ 90°, auto flip 180°; Manual Tilt Speed: Tilt: 0.1° ~120° /s, Presets: 100, PTZ Mode: Auto Pan, Auto Scan, Ethernet: IEEE 802.3, auto sensing, 1 x RJ45, ONVIF support, Edge Analytics: yes, Edge Storage: 1 x micro SDHC/SDXC slot, Memory: 64GB Micro SDHC Class 10, min 80 MB/s (included), Weather Resistance: IP66, IK rating Power: IEEE 802.3at (PoE+) / AC24V, Temperature Control: yes, Operating Condition: -5°C ~ 60°C, Humidity: 15- 90%, non-condensing; Certifications: CE, FCC, UL listed, Inclusive of junction boxes, IR power supply (if applicable), mounting brackets/ arrangements, preferred makes: Impulse/ Honeywell/Bosch or equivalent / better.

k) Five numbers of 4-Port FXS Analog Telephone VoIP Adapter connect their analog devices to a VoIP network. 4-port analog telephone adapter (ATA) with 4 FXS ports and an integrated Gigabit NAT router with Networking Protocol: ARP, DHCP, Ethernet, Fast Ethernet, Gigabit Ethernet, ICMP/IP, TCP/IP, UDP/IP, VoIP; Remote Management Protocol: HTTP, HTTPS, Telnet, TFTP, TR-069; Transport Protocol: DHCP, ICMP/IP, NTP, TCP/IP, UDP/IP.

l) Supply of 1500 m Cat-6 UTP LAN Cable which involves laying of 900 m Cat-6 UTP LAN Cable with casing & capping/ PVC conduit as per the site requirements.

S. No.	Particulars	Tender specifications
1	Type of Cable	UTP (unshielded twisted pairs)
2	Conductor	4 twisted pair , 23 AWG Annealed bare stranded copper
3	Transmission frequencies	Up to 250 MHz
4	Characteristic Impedence	100(+/-3) Ohms 250 MHz
5	Primary insulation	Polyethylene insulation
6	Application standard	IEC/EN
7	Application	Indoor / outdoor installation Maximum permissible - 70 mtrs for one point to another.
8	Make	DLINK/ MOLEX/ AMP/ or equivalent / better

m) Three number analogue/ digital door lock fingerprint registration, inbuilt number pad; 4 to 12 digits number pad password protection; support to register upto 4 unique passwords, mechanical key, RFID card: register upto 100 cards for multiple user access, break in damage alarm, emergency mechanical key override; auto locking, 9 V emergency battery to operate the lock, Multi-level volume control: Adjustable volume with mute function for silent operation; low battery indication, inclusive of fitting in the existing doors, all required cables and accessories are included in the scope.

n) Eight numbers of Local e-surveillance display each with Ultra HD (4k) LED display; display size: 55 inch or more; Connector Type: USB, Built-in Wi-fi, Ethernet; connectivity: 3 HDMI ports & 2 USB port; Aspect Ratio: 16:9; dust, lighting, surge & humidity protection; horizontal & vertical viewing angle: 178; remote control type: Bluetooth, voice assistant button; mounting type:

		<p>wall mount & table mount; mounting hardware: 2 table stand base, 1 user manual, 1 warranty card, 1 remote control; audio wattage: 20 Watts; Temperature: 0°C to 40°C, Humidity: 15-95%, non-condensing; supported image type: GIF, JPEG; Preferred make: Sony/ Dell/ Samsung/ equivalent.</p> <p><i>o) Supply & installation of</i> i) 200 m 0.75-inch-high strength flexi metallic conduit; ii) 50 numbers of SS net basket of approx. dia 12 inch & depth 5-inch dimension; iii) five numbers of AC power adapter with 240V AC input; Output: 24V, 3A; iv) one number of dual channel variable voltage DC supply; range 0 to 24V.</p> <p>Note 1: First Year comprehensive on-site support and maintenance (CMC) for above work is inclusive. It includes: 1) A minimum of one quarterly visit by a qualified engineer to check the health status on preventive grounds. 2) Attending faults as and when communicated, including replacement of faulty components at no extra costs to GCNEP.</p>		
2.	Second Year comprehensive on-site support and maintenance (CMC)	<p>It includes: 1) A minimum of one quarterly visit by a qualified engineer to check the health status on preventive grounds. 2) Attending faults as and when communicated, including replacement of faulty components at no extra costs to GCNEP.</p>	1	Set

Note: 1) For Item No. 1 Supply, Installation, testing and commissioning (SITC) work shall be considered as one set. CMC work over a period of first year after completion of SITC work is considered and cost toward this is included in Item No. 1. cost. 2) Item No. 2. CMC work over a period of second year after completion of SITC work is considered as one set.

Note: 2) Financial comparison for awarding the work order will be done on the total cost basis. In case of any calculation mistakes, Base Rate shall be considered for calculations.

Note: 3) I undertake to abide by the preferred makes or equivalent or better, as specified in the enquiry document for the works and **all technical data sheets are attached along with this bid.** I understand and agree that my offer is liable to be rejected if it does not meet the technical parameters.

Place:

Date: __/__/____

Signature

Name of the Signatory:

Name of the Agency:

Agency Stamp:

SECTION-III

ANNEXURES

To be submitted on company letterhead

Annexure-A

ELIGIBILITY

UNDERTAKING

It is certified that my firm/agency/company has never been **blacklisted** by any of the Departments/ Autonomous Institutions/ Universities/ Public Sector Undertakings of the Government of India or Government of Haryana or any other State Government and no criminal case is pending against the said firm/ agency as on_____.

Further, I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another agency on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in GCNEP / DAE 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.

Place:

Date:___/___/_____

Signature

Name of the Signatory

Name of the firm/agency

Seal of the firm/agency

To be submitted on company letterhead

Annexure-A1

ELIGIBILITY

UNDERTAKING

Bid Security Declaration

(For Tender No.....Dated.....)

Ref:

Date:

To,

Project Director,

GCNEP, Kheri-Jasaur

Bahadurgarh, Haryana, 124505

I/We understand the Bid Security Declaration is in lieu of Bid Security (Earnest Money Deposit) and I/We accept that if the bids are withdrawn or modified during the period of bid validity etc., I/We will be suspended for the time specified in this NIT/Tender documents, in terms of Department of Expenditure [Ministry of Finance] O.M. No. F. 9/4/2020-PPD dated 12/11/2020.

Signature.....

Name.....

[Complete Name and Address of person signing the

Bid Security Declaration]

Signed on this _____ Day of _____ [Month] _____ [Year]

To be submitted on company letterhead

Annexure-B
TECHNICAL BID

(To be submitted as a part of acceptance of the BG format)

FORM OF PERFORMANCE SECURITY - BANK GUARANTEE BOND (BG)

1. In consideration of the President of India (hereinafter called “The Government”) having agreed under the terms and conditions of Letter of Intent / Agreement No..... dated.....made betweenand (hereinafter called “ the said Contractor{s}“) for the work (hereinafter called “the said Letter of Intent / 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, we(Indicate the name of the Bank) (hereinafter referred to as “the Bank”) hereby undertake to pay to the Government an amount not exceeding Rs. (Rs 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 demur, 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..... Rupeesonly).
3. We, the said bank, further undertake to pay to the Government any money so demanded notwithstanding 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 thereunder and the Contractor(s) shall have no claim against us for making such payment.

4. We..... (indicate the name of 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 claims 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) and 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 up to, unless extended on demand. 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.

Signed and Sealed

Dated the day of for (indicate the name of Bank)

* * *

We have read the above “FORM OF PERFORMANCE SECURITY - BANK GUARANTEE BOND (BG)”, and undertake to produce the same duly filled on demand.

Place:
Date: / /

Signature
Name of the Signatory
Name of the firm/agency
Seal of the firm/agency

To be submitted on company letterhead

Annexure-C (TECHNICAL BID)
DETAILS OF THE AGENCY

1.	Name of the Firm/ Agency:							
2.	Address with Phone Number							
3.	Registration No of the Firm:							
4.	Name, Designation, Address, Telephone No. & email-id of the Authorized person to deal with:							
5.	PAN Number: (attach a copy)		GST Number (attach a copy)					
6.	E.P.F. Registration No. (attach a copy)		E.S.I. Registration No. (attach a copy)					
7.	Details of Tender Fee enclosed		Details of EMD enclosed					
8.	Experience details of last five consecutive years for providing similar work (a work completion certificate issued by the institute/ organization where the job was/is-being carried out may be asked for verification)							
	Name of Work	Name of Organization	Duration of work	Current Status (Completed/On-going)	EIC name	EIC Contact details	Value (Rs.)	Work Order & Corresponding Completion Certificate attached (Yes/No)
	i)							
	ii)							

*Note: **Under technical evaluation GCNEP reserves the right to visit the sites being maintained or developed by the prospective agencies.**

Add rows as per the requirements.

This is to certify that I/ we have carefully read the contents of the enquiry and fully understood all the terms and conditions therein and undertakes myself/ourselves to abide by the same.

Place:
Date: ____

Signature
Name of the Signatory
Name of the firm/agency
Seal of the firm/agency