

Government of India
Department of Atomic Energy
Global Centre for Nuclear Energy Partnership
Kheri Jasaur, Bahadurgarh, Haryana 124 505

TENDER ENQUIRY

Ref: GCNEP/19/03-34

Date: 12/03/2019

To,
Hosted on GCNEP Website

1	Name of work	Works related to Fabrication, Supply, Installation & Commissioning of miscellaneous civil and electrical works at Entrance Gates at GCNEP Campus and Township sites, Jasaur-Kheri, Bahadurgarh, Haryana, as per the specifications detailed in Annexure – I.
2	Location of work	Kheri-Jasaur, Bahadurgarh, Haryana
3	Estimated Cost	Rs. 16,00,000/- (Rupees Sixteen Lakh only)
4	Period of Completion	45 days
5	Security Deposit	2.5% of the gross amount; deductible from running/ final bill of the contractor.
6	Due date & time for submission of quotations	From 03/04/2019 to 24/04/2019
7	Place for Submission	The address on the envelop should read: Project Director, Global Centre for Nuclear Energy Partnership (GCNEP), Kheri Jasaur , Bahadurgarh, Haryana -124505
8	Date, Time and Place of opening	25/04/2019 at 14:30 Hrs. Any changes will be communicated. Address: Atomic Minerals Directorate, 7, West Block, RK Puram, New Delhi, Delhi 110066
9	The quotation must be sent in a Sealed envelope Super-Scribed with the Reference Number & Due Date given above. The quotations must be sent by either Registered Post OR Speed Post Services of India Post OR delivered By Hand against receipt on any working day at above address from 11:00 hrs to 16:00 hrs.	

-sd-

Project Director, GCNEP

Annexure-I
Technical Specifications

Title: Works related to Fabrication, Supply, Installation & Commissioning of miscellaneous civil and electrical works at Entrance Gates at GCNEP Campus and Township sites, Jasaur-Kheri, Bahadurgarh, Haryana, as per the specifications detailed below:

Description: The proposed work is to be carried out at GCNEP, Kheri-Jasaur, Bahadurgarh, Haryana. The agencies willing to take up this work can plan a visit to office site for mapping the exact requirements. Such a visit, however, must be with a prior intimation to & approval of this office.

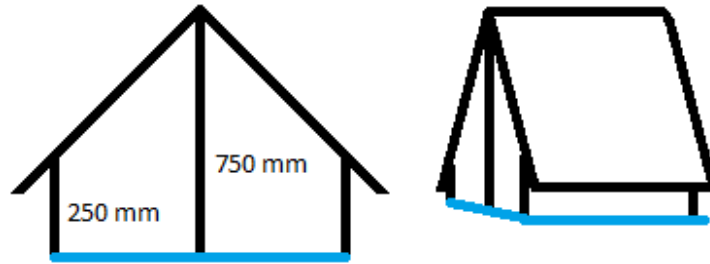
Scope of Work: The works shall be carried out as per the instructions of Engineer-in-charge present at site. The works also involves mounting and commissioning. All materials used shall be branded and of repute make. Such material should be used only after approval of the Engineer-in-charge. All items have to be installed at designated locations including all wire laying, casing & capping and creation of power points.

Technical specifications of the items:

Item No	Item Name	Item Description	Item Quantity
1.	Vehicle Access Monitoring System	<p>a) Three numbers of Long Range RFID Reader; CPU based intelligent tag reader with tag read range upto 15m; frequency range ISM 902~928 MHZ or ISM 865~868 MHZ; simultaneous multiple tag read capability; buzzer or LED reading cue; FHSS or equivalent frequency hopping; 12dBi Built-in Linear Antenna 0-30 dBm or more adjustable Power Output; RS 485/ RS 232/ Wiegand 26/34, TCP-IP ports; ISO 18000-6B, 18000-6C protocols; -5°C to +70°C working temperature; for 95% or more humidity; compliant with CE/ FCC; IP 65 all weather proof mounting and casing; Input Power: 220-240V AC or DC PoE; BIS/ WPC certified; optimal power consumption 1W; rough dimension 450 x 450 x 50; weight upto 2.6Kg; compliant with CE, FCC certifications; preferred make: IDCUBE, HID, TagMaster, ID TECH or equivalent</p> <p>b) One number of 2-door TCP-IP based RFID Controller; provision for SD card backup; integration interfaces with CCTV/ fire alarm system; browser-based management support for system configuration; multi-card operation support; -5°C to +50°C working temperature; for 95% or more humidity; capacity upto 10,000 card data; support for 30,000 users; 100,000 transaction log; LED/ indication for power, communication, etc.; 4 outputs (2-form C relay for lock and 2-form C relay for Aux output); 6 inputs (2 exit device, 2 door status, 2 AUX); power supply 12V DC 1.5A with adapter; preferred make: IDCUBE, HID, TagMaster, ID TECH or equivalent; to be enclosed in a metal case (approx.</p>	02 Sets

		<p>dimensions 400x250x100mm) with key</p> <p>c) Two hundred and Fifty numbers of RFID Tags: Printed antenna type UHF tags compatible for use on car windshield glass; tough, impact resistant and temperature stable; Secure Mark ID or tamper proof; -5°C to +50°C working temperature; for 95% or more humidity; windshield computable high quality adhesive mounting/fixing; unique 32/ 64 Bit Tag ID with associated bar code; customized with GCNEP text; frequency range ISM 902~928 MHZ or ISM 865~868 MHZ; read range 6-7m; approx. Size 80x30mm; UV protection for sunlight exposure; moderate resistance towards solvents and caustics/ acids; PVC or equivalent encapsulation; pre-programmed with W-34 with Hexa-decimal 8 characters; ISO 18000-6B, 18000-6C compliant; preferred make: IDCUBE, HID, TagMaster, ID TECH or equivalent</p> <p>d) Five numbers of LED warning lights: One number of bright LED 3-colour warning flash light with red, yellow and green colour lights of 2W each; 24V DC 6W; IP 65 casing; approx. dimension 50x250mm</p> <p>e) One number of Optical Fibre Cleaver: Fibre Cleaver for Singlemode or Multimode Use; Fibre Diameter: 125µm; Coating Diameter: 250~900 µm; Typical Cleave Angle: 0.5°; Cleave Length: 9-16 mm (Single Fibre 0.25mm Coating), 10 - 16mm (Single Fibre 0.9mm Coating); Blade Life Time: 36,000 cleaves (3,000 per blade position)</p> <p>f) One number of Optical Power Meter for user self calibration function; comfortable LCD display and optional backlight LCD display for night operation; power measurements in dBm or mw and insertion loss in dB; Power Meter 1unit, FC/ Universal 2.5mm adaptor + SC Adaptor; runs on AA 1.5V batteries; Wave ID nm: 850, 980, 1300, 1310, 1490, 1550, 1625; Measurement Range(dBm) -50 to +26</p> <p>g) One number of 10mW Optical Fibre Visual Fault Locator for single-mode or multi-mode fibres; ABS Plastic Material; pen type; 2Hz glint or continuous output; Type: 10mW Wavelength: 650±20 nm; Output Power 10mW; Dynamic Distance <10km; Connector: 2.5mm; runs on AA 1.5V batteries; 0°C to +50°C, <90% RH</p>	
2.	Outdoor rack with 2KVA online UPS in-built batteries, armoured wiring and cutting & filling of road	<p>a) One number of 2KVA online UPS with 150 Ah batteries and outdoor rack: Floor mount IP55 outdoor rack 1.5x1x1 m (HxDxW), welded galvanized steel construction 1.5mm Thick, Front lockable door with gasket sealing, fresh air intake filter with outer hood, 2Pair heavy duty vertical mounting rail for equipment mounting, height as per rack unit, load bearing</p>	02 Sets

		<p>capacity up to 400kg, welded/ integrated canopy on top, locking arrangement, protection rating IP55, fan cooled cabinet through dual fan, Aluminium wire mesh filter, powder coated, light smoke grey colour, adjustable 19" mounting channels, cable entry through IP rating PG cable entry glands, power distribution unit-6 socket 5A, 5/15A, horizontal cable management, silicon sealant protection on all joint area, NABL accredited lab certified, installation with clamp and accessories, fitted with 1.4KW 2KVA pure sine wave UPS, LED status display with load and battery bar-graphs and On Line/ On Battery/ Replace Battery Indicators, in-built hot-swappable 150Ah-12V battery, rack mounting arrangement; preferred make APC, Sukam, Luminous.</p> <p>b) 50m long 3-core 1.5 sq. mm armoured electrical Cu wire with 1100V insulation; including casing & capping and creation of two power points or digging of trench 1' (W) x 2' (D) and preparation with sand & brick lining at top; preferred make: Havells or Finolex</p> <p>c) 50m long 3-core 2.5 sq. mm armoured electrical Cu wire with 1100V insulation; including casing & capping and creation of two power points or digging of trench 1' (W) x 2' (D) and preparation with sand & brick lining at top; preferred make: Havells or Finolex</p> <p>d) 4" GI pipe of length 8m including cutting & filling of road section of size 10 (L) x 0.15 (W) x 0.3 (D) m</p>	
<p>3.</p>	<p>Upgradation of Guard Cabins</p>	<p>a) Ten numbers of Outdoor Chairs for Security: Plastic chair with four SS metal legs and armrest; approx. dimension 60(W) x 70(H) x 50(D); approx. weight 8Kg; preferred make: Italica, Neelkamal, Godrej</p> <p>b) 2mm thick PVC flooring (ISI marked) with good quality adhesive over an area of approx. size 4.4 (L) x 2.8 (W) m with 10cm high skirting all around it</p> <p>c) Fibre rooftop made of fibre sheet of 3mm thickness on the roof of a porta cabin of size 6100(L) x 3000(W) as depicted in the picture below with the help of fifteen vertical support rods and three horizontal support rods of diameter 60 mm or 30x30 mm square pipe of 2.5 mm thick powder coated MS. The fibre sheet should rest completely on the support rods and not touch the porta cabin. The slope should extend 300m from the end of porta cabin on all sides. A powder coated MS angle should be placed on top of the join of the two fibre sheet slopes. There are 5 such support structure trais as shown in the figure to the left and three horizontal support rods along the length of the porta cabin.</p>	<p>02 Sets</p>



d) Oil painting of Guard Room: Scraping off existing paint and applying base coat and top coat of oil-based paint on the outside of two separate Guard Cabins with combined outer surface area of 50 sq. m

e) Three numbers of 50L plastic dustbin with cover

f) Three numbers of Tables for security of approx. size 1200(W) x 750(H) x 750(D) mm; worktop made of stainless steel brush finish with PLB insert; understructure and cross member made of 30 x 30 x 1.5 mm powder coated base welded and fixed to top with screws; bottom end closed with plastic buffers

g) Three numbers of Compound 60W LED street lights on already existing poles with lens complete with all accessories

a) Five numbers of Double Sided Board with Stand of size 1200 (W) X 900 (H) mm; one side pin-up board covered with single colour cloth and other white dry erase writing board; with suitable revolving board stand where board can be revolved on stand and can be locked in either position with positive locking system; stand provided with heavy duty lockable castor wheels; with pen tray; preferred make: Alkosign or Quartet

b) Three numbers of Double Sided Board of size 1200 (W) X 900 (H) mm; one side pin-up board covered with single colour cloth and other white dry erase writing board; preferred make: Alkosign or Quartet

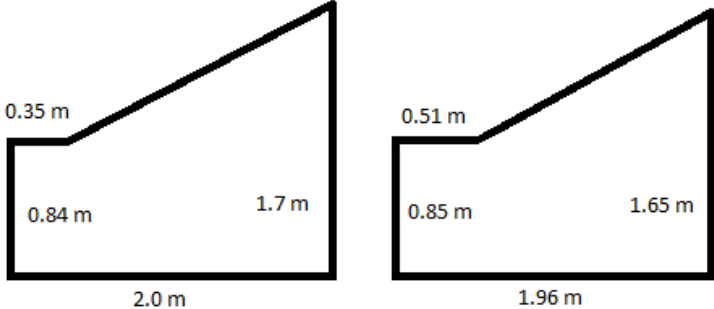
c) Five numbers of white Single Sided Magnetic Dry Erase Writing Board of size 900 (W) X 600 (H) mm; hidden mounting hardware underneath the mounting bolts, inclusive of standard accessories, manufacturer approved/ supplied mounting brackets/screws etc., an ISO 9001 certified manufacturer product; preferred make: Alkosign or Quartet

d) One number of Matte White Dry-Erase Board cum Projector Screen of approx. size 6' x 4' for compatible 16:10 widescreen (WXGA) projector viewing, low-gloss surface for quality projection with minimal glare or reflection, scratch resistant no-ghosting surface, framed in aluminium section frames, rounded corners, compatible for use with any dry erase marker, hidden mounting hardware underneath the

4.

Miscellaneous boards

02 Sets

		<p>mounting bolts, inclusive of standard accessories, manufacturer approved/ supplied mounting brackets/screws etc., an ISO 9001 certified manufacturer product; preferred make: Alkosign or Quartet</p> <p>e) One number of Pin-Up Notice Board with cover of size 1200 (W) X 900 (H) mm; board covered with single colour cloth; anodized aluminium frame with Aluminium formed front door with acrylic sheet; door lock with two keys; wall mountable; preferred make: Alkosign or Quartet</p>	
5.	Wood work under staircase area	<p>Wood work under staircase area including sliding doors made of pre-lam particle/ fibre board to cover the area as shown in the figure:</p>  <p>Two separate triangular areas of roughly 1.5 sq. m (total area) have to be covered as well. The structure should be made of anodised Aluminium or wood painted in approved colour.</p>	6 sq. m
6.	Supply & installation of 15m AC piping alongwith Split AC, wiring & electrical accessories	<p>15 meter copper refrigerant piping-inlet (Size:5/8 inch) and outlet (Size: 3/8 inch) with 12mm thermal insulation with required thermal joints/ bends, complete with supply and installation of a 2 Ton Copper Condenser based Split AC with outdoor unit including wall stand, with remote, gas filling inclusive (Preferred make: Carrier or Hitachi), alongwith a wall mountable 5KVA/ 15A Automatic Voltage Stabilizer with input voltage range of 110V-280V. The scope also includes supply and laying of 15m PVC drain pipe of required size upto the outdoor unit; 55meter of 3 core, 6sqmm copper flexible cable and 30meter of 25mm PVC conduit; 15 meter of 3 core 2.5sqmm copper cable inclusive of the required 75mm PVC casing/ capping alongwith 32A 2-pole MCB with enclosure</p>	01 Set

Note: 1. All dimensions are approximate and in Meter (m) until specified otherwise.

2. All specifications mentioned are minimum ones and anything better or higher is acceptable.

Terms and Conditions:

1. Bidder should preferably have past work experience in similar works.

2. A single party based turn-key solution is invited to ensure installation & operational consistencies. Partial quotes/ quotes for partial works are liable to be rejected without any further correspondence.
3. Project Director, GCNEP reserves the right to accept/ reject any or all quotations without assigning any reason.
4. Bidder shall quote for entire work including fabrication, supply & installation of the supplied items along with accessories and their integration with existing system as applicable. It should include all wire laying, casing & capping, creation of power points, transportation and loading/ unloading costs.
5. If required, the interested bidders can plan a visit to Office for mapping the exact requirements but with a prior intimation & approval of Engineer in charge only. Drawings / Sketches (if any) must be returned along with the offer.
6. The contractor shall not sub-contract any part or all the work without written consent from GCNEP, if at all required.
7. Quotations should be submitted on Company letterhead and all submitted documents must be stamped & signed by the bidder.
8. Quotation must also indicate the validity of offer. The offer should be valid for a minimum of 60 days. The bidder must submit a copy of PAN/GSTN along with the bid. The bid must also include make & model no. of offered products.
9. There is no free issue material. All items/material to be supplied/ used should be brand new and factory manufactured condition. All material used including the color, texture, shade etc. wherever applicable should be with a prior approval of Engineer-in-Charge.
10. Unless otherwise specifically mentioned, design, manufacture, testing & performance of all items shall conform to the latest edition of the applicable codes/ standards.
11. The bidder shall deliver the finished components after approval by our Engineer in charge within the completion period effective from the date of issue of work order to the bidder.
12. The safety & security of personnel, material & machinery shall be the responsibility of the contractor. Contractor should have a qualified person carrying out the job.
13. Payment Terms: Single bill payment. No advance is admissible. Payment including taxes will be made only after the successful completion of works and after the submission of signed & stamped documents (Original bills, Pre-receipt, Cancelled cheque or Account details of the contractor, Warranty certificate, Copy of PAN/ GSTN).
14. The following deductions will be made from the bill(s):
 - a. Security Deposit: The security deposit mentioned in the enquiry shall be refunded to the contractor after the expiry of the guarantee period (i.e. one year from issue of Completion Certificate).
 - b. Penalty: Any delay which is attributable to the contractor is liable for penalty @ 0.5% per week of remaining work and upto a max. of 5% of Work Order value.
 - c. TDS: TDS shall be deducted as per the standard rates.

A. On-site support & warranty:

1. All material supplies, installation & workmanship should include an on-site warranty of minimum one year after the satisfactory completion of the work and acceptance by Engineer-in-Charge for above work. The warranty offered by the OEM must be extended alongwith the original warranty card.

2. All items should be maintained in working/ usable condition by the bidder at no extra costs for entire warranty period. The visit of engineers/ technicians of the Agency to the office premises shall be arranged by the bidder at no extra cost during the warranty period.
3. GCNEP may lodge complaints by any mode i.e. phone, e-Mail etc. In the event the Agency does not attend to the service calls of the office within the stipulated time, GCNEP reserves the right to get the items/parts repaired/replaced through other Agencies or individuals, the expenditure incurred thereby shall be recovered from any payments due to the Agency.
4. If at all, any asset or its part shall require to be moved out of this office premises for rectification of any complaint, then written permission is to be sought, specifying the details of the items to be taken out of office and reasons thereof. Safety & security as well as the transportation of assets to the Agency's premises and vice versa shall be at the risk and cost of the Agency.
5. Defective parts shall be replaced by new parts of the same model & make and the cost of replacement shall be borne by the Agency. In the event of such new part not being compatible with the existing part, such existing part shall also be replaced with the new original part. The contractor shall keep sufficient stock of all spare parts of assets and standby assets.

Annexure-II

(Financial Bid)

Name of the Agency/Bidder: _____

Offer details to be enclosed, as per Annexure-I.

(Please attach the details on all material/ make/ model etc, for the items under the proposed works)

This offer should include the total cost of the entire work, including all taxes, transportation, installation, services charges, etc. as applicable.

Schedule of Quantities and Rates

Item No.	Item Name	Item Quantity	Item Unit	Unit Rate (Rs.)	Amount (Rs.)	GST (Rs.)	Total (including taxes) (Rs.)
(1)	(2)	(3)	(3)	(4)	(5) = (4) x (3)	(6)	(7) = (5) + (6)
1.	Vehicle Access Monitoring System	02	Sets				
2.	2KVA online UPS with batteries in outdoor rack, armoured wiring and cutting & filling of road	02	Sets				
3.	Upgradation of Guard Cabins	02	Sets				
4.	Miscellaneous boards	02	Sets				
5.	Wood work under ground floor staircase	06	sq. m				
6.	Supply & installation of 15m AC piping alongwith Split AC, wiring & electrical accessories	01	Set				
Grand Total							
Grand Total (including taxes) (in words)							

This is to certify that before signing this offer I/We have read and fully understood all the terms and conditions contained herein and undertake myself/ourselves to abide by them. This offer is valid for 60 (Sixty) days.

Place:

Date: ___/___/_____

Signature

Name of the Signatory

Name of the Agency

Seal of the Agency