

VOLUME-2 (PRICE BID) FOR TENDER NO. NABI/7(171)/2019-WORKS

NAME OF WORK- Supply, Installation, Testing & Commissioning of 200kVA/KW Modular Uninterruptible Power Supply(UPS) system for Central Instrumentation Facility, LAB Bldg., National Agri-Food Biotechnology Institute(NABI) Campus, Knowledge City, sector-81, Mohali-Punjab, India

S.No	Item description	Unit	Qty	Quoted Currency in INR	BASIC RATE In Figures To be entered by the Bidder	GST %	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	Supply, Installation, Testing & Commissioning of Double Conversion True Online VFI class, 200KVA / 200kW, Modular UPS System 400V, 50 Hz, Input 3 Phase, Output 3 Phase, IGBT based rectifier and inverter based design complete as per the approved technical specifications (in Schedule-A of Volume -1 of tender document) and as per the site requirement	set	1.00	INR					
2	Supply, Installation, Testing & Commissioning of Sealed Maintenance free(SMF) Valve Regulated Lead Acid (VRLA) 12V batteries for providing minimum 15min backup time , separate Battery Circuit Breakers with enclosures for each battery bank/string(having automatic undervoltage trip mechanism) , Uninyvin cabling from UPS to Battery bank, Battery Interconnecting Links, MS Powder coated battery cabinets, Battery terminal caps. etc. complete as per approved technical specifications (in Schedule-A of Volume-1 of tender document) and as per the site requirement. The contractor shall provide battery bank of minimum of 144000VAh total capacity divided in two strings.	set	1.00	INR					
3	Supply, Installation, Testing & Commissioning of LT panel for UPS Power distribution made with 1.6mm thick CRCA sheet, powder coated in Siemens Grey Color with the following configuration and as per the approved technical specifications (in Schedule-A of Volume-1 of tender document) and as per the site requirement : (i) 01Nos.x 400A, 4Pole, 36kA rating MCCB as Incomer with Overload, Short circuit and earth fault protection, spreaders and extended rotary handles (ii) 02Nos.x160A, 4pole, 36kA rating MCCB as outgoing with spreaders and extended rotary handles (iii) 01Nos.x100A, 4pole, 36kA rating MCCB as outgoing with spreaders and extended rotary handles (iv) 400A rating, 1.1kV voltage grade, 3phase plus Neutral Copper busbar (v) 03Nos.x 400/5A Metering CTs (Class 1), CT shorting terminals (vi) R,Y,B LED type phase indication lamps with 2A rating, SP control MCBs (vii) 01Nos. Existing Digital Energy Meter	set	1.00	INR					
4	Supply, Installation, Testing & Commissioning of existing 01Nos.x 400A, 4pole, 36kA rating MCCB in new MS Powder coated box type enclosure complete as per the approved technical specifications (in Schedule-A of Volume-1 of tender document) and as per the site requirement	set	1.00	INR					
5	Supply, Laying and fixing of one number XLPE insulated and PVC sheathed , Aluminium conductor, strip armoured power cable of 1.1 KV grade of following size on wall surface as per the approved technical specifications (in Schedule-A of Volume-1 of tender document) and as per the site requirement (3.5core x 240 sq. mm (clamped with 40 x 3 mm MS flat clamp))	Mtr.	60.00	INR					

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6	Supply, Laying and fixing of one number PVC insulated, Copper conductor, Flexible power cable of 1.1 KV grade of following size on cable tray as per the approved technical specifications (in Schedule-A of Volume-1 of tender document) and as per the site requirement (1core x 185sq.mm (fixed with PVC cable tie))	Mtr.	65.00	INR					
7	Supplying and making end termination with brass compression gland and aluminium lugs for following size of XLPE insulated and PVC sheathed armoured, aluminium conductor cable of 1.1 KV grade as required. (3.5core x 240 sq. mm (62mm))	each	2.00	INR					
8	Supplying and making end termination with PVC gland and copper lugs for following size of PVC insulated, copper conductor flexible cable of 1.1 KV grade as required.(1core x 185sq.mm)	each	16.00	INR					
9	Earthing with copper earth plate 600 mm X 600 mm X 3 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.	set	4.00	INR					
10	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	Mtr.	40.00	INR					
11	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	Mtr.	80.00	INR					
12	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors fixed on wall or on floor surface including bolts & nuts, painting, brackets etc. as required (225 mm width X 50 mm depth X 1.6 mm thickness)	Mtr.	20.00	INR					
13	Supplying and installing following size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors fixed on wall or on floor surface including bolts & nuts, painting, brackets etc. as required (150 mm width X 50 mm depth X 1.6 mm thickness)	Mtr.	20.00	INR					
14	Total Amount quoted in Figures			INR					
15	Total Amount quoted in Words			INR					

NOTE- The AMC/CMC Price quoted by the bidder in Annexure-A and B will not be considered in the Price Bid evaluation for the selection of lowest bidder.

Annexure “A”

**OFFER FOR NON-COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (AMC) OF
THE 200KVA/KW MODULAR UPS (EXCLUDING BATTERY BANK) FOR NABI**

TERMS AND CONDITIONS OF THE CONTRACT (AMC)

i) During the AMC period, the firm shall provide at least FOUR preventive maintenance visits and attend to all emergent and break-down calls per year.

ii) The AMC charges beyond Defect Liability period(DLP)/Warranty period must be quoted separately for each year strictly as under and quoting of rates in ambiguous terms or in percentage terms etc., shall render the tender liable to rejection :-

Rate for 1st year = Rs..... (Rs. in words)

Rate for 2nd year = Rs..... (Rs. in words)

Rate for 3rd year = Rs..... (Rs. in words)

Rate for 4th year = Rs..... (Rs. in words)

Rate for 5th year = Rs..... (Rs. in words)

iii) The AMC charges should be quoted only for services and travel cost etc. and should not include the cost of any replacement parts/components which shall be arranged by the Institute at its own cost.

iv) Response time should be 1 working days/3 working days from the time of complaint given to your firm. In case of delay in attending the fault within 1 working days/3working days the validity of the contract will be extended by another one week beyond the contract period for the delay in each day after 1 working days/3 working days. For service centre point situated in North India – 1 Working days and for rest of India – 3 working days.

v) The replaced parts shall remain the property of the Institute.

vi) The firm shall try to repair the equipment at Institute itself. However, the equipment may be taken to their site, on their own expenses if in case it is not possible to repair the same at NABI, the firm shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till this is handed over to purchaser after repair. Any loss of equipment or its accessories on account of theft, fire or any such reasons shall be the sole risk and responsibility of the firm who will compensate the Institute for such losses at landing cost (at the time of purchase)/ present landing cost of the damaged/lost equipment/part including accessories whichever is higher.

vii) During the AMC period the parts/components that may be needing replacement shall made be available by the Institute at their own expenses and all import formalities, payment of custom duty etc., shall be complied with/borne by the Institute.

viii) All AMC charges will be invoiced on every quarterly basis or half-yearly basis or yearly basis on completion of three months/ six months/one year period of annual maintenance contract. The payment of the invoice will be made after verification of service invoice satisfactorily by user within 21 days of the date of submission of the invoice.

ix) No price revision will be accepted by the Institute during the entire tenure of the AMC agreement.

Seal and Signature of the Tenderer

Date:

Seal and Signature of the UPS Manufacturer

Annexure “B”

OFFER FOR COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (CMC) OF THE 200KVA/KW MODULAR UPS (EXCLUDING BATTERY BANK) FOR NABI

TERMS AND CONDITIONS OF THE CONTRACT (CMC)

i) During the CMC period, the firm shall provide at least FOUR preventive maintenance visits and attend to all emergent and break-down calls per year.

ii) The CMC charges beyond Defect Liability period(DLP)/Warranty period must be quoted separately for each year strictly as under and quoting of rates in ambiguous terms or in percentage terms etc., shall render the tender liable to rejection :-

Rate for 1st year = Rs..... (Rs. in words)

Rate for 2nd year = Rs..... (Rs. in words)

Rate for 3rd year = Rs..... (Rs. in words)

Rate for 4th year = Rs..... (Rs. in words)

Rate for 5th year = Rs..... (Rs. in words)

iii) The CMC charges should include cost for services, travel cost, cost of any replacement parts/components etc. required for the proper functioning of the UPS.

iv) Response time should be 1 working days/3 working days from the time of complaint given to your firm. In case of delay in attending the fault within 1 working days/3working days the validity of the contract will be extended by another one week beyond the contract period for the delay in each day after 1 working days/3 working days. For service centre point situated in North India – 1 Working days and for rest of India – 3 working days.

v) The firm shall try to repair the equipment at Institute itself. However, the equipment may be taken to their site, on their own expenses if in case it is not possible to repair the same at NABI, the firm shall take the entire responsibility for the safe custody and transportation of the equipment taken out for repairs till this is handed over to purchaser after repair. Any loss of equipment or its accessories on account of theft, fire or any such reasons shall be the sole risk and responsibility of the firm who will compensate the Institute for such losses at landing cost (at the time of purchase)/ present landing cost of the damaged/lost equipment/part including accessories whichever is higher.

vi) During the CMC period the parts/components that may be needing replacement shall made be available by the Institute at their own expenses and all import formalities, payment of custom duty etc., shall be complied with/borne by the Institute.

viii) All CMC charges will be invoiced on every quarterly basis or half-yearly basis or yearly basis on completion of three months/ six months/one year period of annual maintenance

contract. The payment of the invoice will be made after verification of service invoice satisfactorily by user within 21 days of the date of submission of the invoice.

ix) No price revision will be accepted by the Institute during the entire tenure of the CMC agreement.

Seal and Signature of the Tenderer

Date:

Seal and Signature of the UPS Manufacturer