

भारतीय ताराभौतिकी संस्थान
INDIAN INSTITUTE OF ASTROPHYSICS

(An Autonomous Body under Department of Science and Technology, Govt. of India)
2nd Block, Koramangala, Bangalore – 560034.

NOTICE INVITING TENDERS

Tender Reference No. RFT/ADITYA/SERVICES/012/20-21

Dated: 13th November 2020

Tender Document for the following:

Sl. No.	Item Description	Qty	Consignee & Destination
Up gradation of Building Management Systems at Prof.MGKM LAB, CREST Campus of IIA, Hosakote			
01.	Integrator & IP 54 rated wall / Floor mount enclosure Integrator for Integration of VFD's - 9 No's Soft Points - 10 Points / VFD, Total - 90 Points Protocol - BACnet / MSTP or Modbus, Make: ALC, Model No.LGR-250X1	1 Set	CREST Campus of IIA, Sidalagatta Road, Jodidasarahalli Post, Hosakote, Bengaluru District – 562114
02.	DDC Controller with wall/floor mount enclosure : 16 bit IP Controller with Battery-backed real-time clock; Should confirm to BACnet Building Controller (B-BC) Standard Device. Controller must have EIA-485 port for ARCNET 156 Kbps or BACnet MS/TP (9600 baud to 76.8 Kbps) EIA-232/485 port* configurable port for BACnet PTP Controller for AHU's - 5 no's, Make: ALC, Model No.BAC net SE Series	1 Set	
03.	DDC panel - 1, IP 54 rated wall / Floor mount type enclosure panel, Make and Model: Standard	1 Set*	
04.	DDC Controller with wall/floor mount enclosure : 16 bit IP Controller with Battery-backed real-time clock; Should confirm to BACnet Building Controller (B-BC) Standard Device. Controller must have EIA-485 port for ARCNET 156 Kbps or BACnet MS/TP (9600 baud to 76.8 Kbps) EIA-232/485 port* configurable port for BACnet PTP Controller for FFU's, Make: ALC, Model: BAC net SE Series	1 Set	
05.	DDC panel - 2, IP 54 rated wall / floor mount type enclosure panel, Make and Model: Standard	1 Set*	
06.	DDC Controller with wall/floor mount enclosure : 16 bit IP Controller with Battery-backed real-time clock; Should confirm to BACnet Building Controller (B-BC) Standard Device. Controller must have EIA-485 port for ARCNET 156 Kbps or BACnet MS/TP (9600 baud to 76.8 Kbps) EIA-232/485 port* configurable port for BACnet PTP, Controller for AHU's - 2no's, Make: ALC, Model: BAC net SE Series	1 Set	
07.	DDC Panel-3, IP 54 rated Wall / Floor type enclosure panel, Make and Model Standard	1 Set*	

08.	DDC Controller with wall/floor mount enclosure : 16 bit IP Controller with Battery-backed real-time clock; Should confirm to BACnet Building Controller (B-BC) Standard Device. Controller must have EIA-485 port for ARCNET 156 Kbps or BACnet MS/TP (9600 baud to 76.8 Kbps) EIA-232/485 port* configurable port for BACnet PTP, Controller for Chiller Pumps, Make: ALC, Model: BACnet SE Series	1 Set
09.	DDC panel-4, IP 54 rated Wall / Floor type enclosure panel, Make and Model: Standard	1 Set*
10.	Wiring: Supplying, laying, termination, testing and commissioning of communication cables, 2C X 1.5 Screened Cable, Make and Model: Standard*,	300 Mtrs**
11.	Wiring: Supplying, laying, termination, testing and commissioning of communication cables, 25 mm PVC Conduit, Make and Model: Standard*,	600 Mtrs**
12.	Wiring: Supplying, laying, termination, testing and commissioning of communication cables, CAT 6 Cable, Make and Model: Standard*	300 Mtrs**
13.	Field Sensors Cable Type- Temperature sensor (For AHU CHW Supply and Return) Quote for sensor with 100mm probe length of Thermowell and Temperature sensor Make : Greystone	10 No
14.	Cable Type- Temperature sensor (For Chiller CHW Supply and Return) Quote for sensor with 100mm probe length of Thermowell and Temperature sensor Make : Greystone	3 No
15.	Cable Type- Temperature sensor (For Chiller Supply and Return header) Quote for sensor with 100mm probe length of Thermowell and Temperature sensor Make : Greystone	2 No
16.	Temperature and Relative Humidity sensor - Duct Type (For AHU) Make : Greystone	4 No
17.	Temperature sensor - Duct Type (For AHU supply and Return) Sensor probe length - 150 mm Make : Greystone	9 No
18.	Duct Static pressure sensor (0 to 1000) pascal Ranges $\pm 1250 / 0-1250$ Pa Make : Greystone	4 No
19.	Temperature and Relative Humidity sensor with Display - Room Type (For AHU) Make : Greystone	4 No
20.	Pressure sensor with Display - Room Type (0 to 50)pa Make : Greystone	4 No
21.	Ambient Temperature and Humidity sensor Make : Greystone	1 No

22.	Air Differential pressure switch for AHU run status (0 to 5) pa Make : Greystone	5 No	
23.	BMS Software & Display Device BMS Software for 500 points only, Make: ALC and Model: WC-A + WC Media	1 No	
24.	SMS Modem, Make and Model: Delmon	1 No	
25	Display unit with a 10.9 inch Liquid Retina display, compatible with Wi-fi and with 256 GB of storage ,A14 Bionic chip, Touch ID integrated into the top button, Compatible with both Magic Keyboard and Smart Keyboard, Wi Fi 6 & 4G LTE, 802.11ax Wi-Fi 6; simultaneous dual band (2.4GHz and 5GHz); HT80 with MIMO Bluetooth 5.0 technology, Built-in 28.6-watt-hour rechargeable lithium polymer battery. Make: Reputed	1 No*	
26.	Dismantling Work: Dismantling of existing controllers and panels.	1 Lot	
27.	Project Management, Screen development, graphics development, testing and commissioning charges	1 Lot	
28.	Installation Cost*** Any additional item required for installation may be included in the installation cost.	1 Lot	
Inco Terms		FOR	
Payment Terms		100% payment within 30 days on completion of up gradation satisfactorily at site.	

*Standard & Reputed makes shall be approved by IIA before finalization

**Estimated quantity-Measurements will be made after the execution and will be paid as per actuals.

*** Any additional item required for installation may be included in the installation cost (Cost Break up to be provided).

SPECIAL NOTE TO VENDORS:

For technical enquiry clarification Mr S.Kathiravan (Ph.No. 9448092022) or skathir@iiap.res.in and Commercial clarification call Purchase Section (Ph.No .080-22541426) or purchase@iiap.res.in.

LI status will be arrived on total quoted price for all items together.

The bidder should be either OEM of the product or authorized dealer of the OEM, In case of authorized dealer, the bidder has to submit a valid authorization certificate from OEM.

Do not quote the optional items or additional items unless otherwise mentioned in the Tender documents/Specifications/BOQ.

Online bids are invited for Up gradation of Building Management Systems installed at Prof.MGKMLAB, CREST Campus of IIA, Hosakote (As per detailed Request for Proposal attached). **Manual bids shall not be accepted.**

Tender documents may be downloaded from IIA website: <https://www.iiap.res.in/> (for reference only) and CPP Site <https://eprocure.gov.in/eprocure/app> (for participating in tenders) as per the scheduled dates given below.

Date of Publishing on CPP Portal	13.11.2020
Document Download Start Date	13.11.2020
Document Download End Date	04.12.2020
Bid Submission start Date	13.11.2020
Last Date & Time for uploading of online tender	04.12.2020
Date & Time for opening of technical bids	07.12.2020

The bidders are required to submit soft copies of their bids electronically on the CPP Portal using valid Digital Signature Certificate.

More information useful for submitting online bids on the CPP Portal may be obtained at:
<https://eprocure.gov.in/eprocure/app?page=HelpForContractors&service=page>

K. P. Vishnu Vardhan
भंडार व क्रय अधिकारी
Stores & Purchase Officer