

Based on pre-bid meeting queries dated 27/3/2018 the following revised Schedule of Quantities is to be quoted for by the bidders:

SCHEDULE OF QUANTITIES (Revised)

S. No	Description	Unit	Qty.	Rate	Amount
1	<p>Manufacturing Supply Testing and commissioning of Controller Hardware to connect the thermostats for their FCU and CSU control online over the existing enterprise WiFi network. This is to provide a solution with the following features</p> <ol style="list-style-type: none"> 1. Replaces the existing un-connected thermostats with WiFi connected thermostats 2. May connect to the existing temperature sensor or come in with their own temperature sensor 3. Hardware should support: <ol style="list-style-type: none"> 1. On/Off Fan control for both CSUs and FCUs 2. On/Off Valve control for FCUs 3. Analog valve control (0-10 V) for CSUs 4. Potential free contact for over-ride 4. Device Firmware should support the following configurations (over internet): <ol style="list-style-type: none"> 1. Support for 3 modes of operations - Cool/Hot/Ventillate 2. Different mode of operation - on/off or analog for valve control 3. Different setting for over-ride - For FCUs over-ride should decide when the operation should happen and for CSUs over-ride should decide extension of operations 5. Ability to connect over WEP/WPA/WPA2 WiFi network 6. Ability to connect securely (using http/mqtt) to the server 7. Local operation (including the time schedules and set temperature based operations) even when the devices are not connected to internet 8. Over the air update of firmware (from internet) running on the devices 	Nos	200		
2	<p>Server side (hosted on cloud) should support (non-exclusive perpetual licence):</p> <ol style="list-style-type: none"> 1. Configurations of set temperature and schedules for an individual or group of devices 2. Real time visibility of temperature, mode of operation, over-ride status for an individual or group of devices 3. Immediate control for a device (on/ off) 4. Unlimited number of users - as requested by IIIT Delhi 5. Integration with existing energy management system being used at IIIT Delhi (IIIT Delhi will facilitate exposure of APIs from existing system or if the vendor provides their APIs then IIIT Delhi will work with existing supplier to integrate these APIs into existing system) 	Job	1		

3.	Installation of 10(ten devices) and installation training to be imparted and provided to the IIIT Delhi staff for the above.	Job	1		
4	AMC for three years for item (1) and item(2) will be start after completion of Defect Liability period of 12 months.				
	Ist Year	Job			
	IInd Year	Job			
	IIIrd Year	Job			
	Total Amount (Inclusive All Taxes)				