

TICEL BIO PARK-II					
PRE BID MEETING ON 19.01.12					
PRE BID QUERIES AND REPLY - INTEGRATED BUILDING MANAGEMENT WORKS- IBMS					
SI.No	Ref. Page No.	CLAUSE / ITEM	Heading	QUERIES	REPLY
Volume 2 - Conditions of Contract					
1	14/Vol 2	8(A)	Performance Bond	Ins this clause it is mentioned that 'Valid till the end of defect liability period of one year from the date of satisfactory handing over of the completed' as per this clause warranty is 12 months, but in contract conditions it is mentioned that 24 months. Pls clarify	Irrespects of manufacturer warrenty,defect liability period (DLP) is 24 months.
2	17/ Vol 2	19	Mobilization Advance	As per tender 'The Mobilization advance shall be recovered in 2 (two) equal installments from second running bill onwards', Request for recovery on prorata basis against each running bill.	Tender conditions holds good.
3	23/ Vol 2	28	Tax	Any increase / Decrease in Tax shall be borne by the customer	Tender conditions holds good.
4	27/ Vol 2	31	Retention	Request deduct 5% retention from each running bill	Tender conditions holds good.
5	27/Vol 2	31	Retention	Request release balance 50% of retention money against BG.	Tender conditions holds good.
6	27/ Vol 2	32(i)	Liquidated damages (not as a penalty) for non - completion	Request LD will be applicable for delays on weekly basis	Tender conditions holds good.
7	31/Vol 2	41	Forfeiture of Bank Guarantee and Retention Money:	Contractor should be given a proper time to rectify / handle the defect / situation before forfeiture of BG and retention money.	Tender conditions holds good.
8	109/ Vol 2	7	Now it is hereby agreed to as follows:	Alteration / addition, whatever it may be, subject to mutually agreed specification, price and time only.	Tender conditions holds good.

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Volume 3 - Technical specification					
9	7/Vol 3	1.3.7	3rd Party Integrations	Chiller communication gateway shall be BACNET/IP or Modbus/RS485 which are open standards. Please confirm the chiller protocol details	Vendor may be quoted any one of the following open protocol like BACNET/IP, Modbus/RS485 or Lonworks as per tender specifications.
10	7/Vol 3	1.4	System Architecture	BACNET/IP and Modbus are industry standards. Please confirm the same	Vendor may be quoted any one of the following open protocol like BACNET/IP, Modbus/RS485 or Lonworks as per tender specifications.
11	8/Vol 3	1.4.1	Building performance Management	Need more details on the same	It shall be mentioned about the integration performance of BMS and safety and security system of building.
12	9/Vol 3	1.4.1	Building Management System General Requirements	The speed of communication desired between DDC controllers shall be exceeding 156 Kbps and local Area Network shall be 100 mbps.As per Bacnet / MSTP standard the communication between DDC controllers will be between 9.6 and 115.2 kbps.	The standard kpbs of Bacnet TCP/IP protocol have been accepted for DDC controller.
13	10/Vol 3	1.5.6	Process Visualization software Features	Please confirm redundancy for IBMS Software and Server is required or not	Redundancy server is considered and included in the BOQ.
14	13/Vol 3 , 3/Vol 4	1.6	Communication	In BOQ it is mentioned that DDC controllers should be on Bacnet TCP/IP. It is compulsorY to use DDC on Bacnet/IP or shall we use DDC on Bacnet/MSTP. In Volume 3page no.13, ASC can use either Arcnet/Bacnet MSTP.	All DDC controllers should be on Bacnet TCP/IP as per BOQ.
15	16/ Vol 3	3.17	Vedio analytics	Please provide the list of Vedio analytics (with type of algorithm required) for arriving the package in Video analytics. Please provide	As per tender specification.
16	21/Vol 3	1.11	User Interface	1. Need clarity on vehicle for information	Here the word " Vehicle " shall be mention the tool of communication for the annunciation of alarms in HVAC BMS.

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17	33/Vol 3	1.24.11	Direct Digital Controller (DDC)	Specification calls for only 4-20mA Output.Please confirm whether it should be connected through DDC controller or 3rd party integrator.	It shall be connected through 3rd party integration only.
18	36/Vol 3 9/Vol 4	1.26	System Integration Units (SIU)	In BOQ DDC Controller with peer to peer communication without use of system controller is given. But in spec refer Volume 3 page no.36, item no.1.26 , specification for system controller is given for connecting DDC Controller	Every DDC controller shall have peer to peer communication without depends on system controller as per BOQ.
19	47/Vol 3	1.38	Fire Door Monitoring System	Should be part of FAS. PI clarify	Please be considered in FAS system.
20	48/Vol 3	Section 2	Fire Alarm System	We are proposing Honeywell Fire Alarm System which can communicate directly with our IBMS Software. NO gateways required. Please confirm the same	FAS integration shall be accepted without gateways also while meets as per tender specifications.
21	Vol 3	General		IS this Job BOQ based or Design built for FAS? PI confirm	As per tender BOQ.
22	51/Vol 3	2.2	Fire alarm system sequence of operation	Maximum events are 1750 in our system. Please confirm	Approved Manufactures events shall be accepted.
23	52/Vol 3	2.4	Fire Alarm Control Panel	We will be offering for 125 detectors and 125 modules.	As per tender Specifications.
Volume 4 Bill of Quantities					
Building Management System:					
24	2/ Vol 4	BOQ Item No. 5,	BTU meter	3 rd Party Interface- how many points per BTU meter should be considered(IO List calls for BTU Integration (Soft Points) of 500 points/BOQ - "5.b - BTU meters (250 pts * 3) – 3 Lot~750)	The Qty for the item no 5 & 5c may be read as single lot due to following reasons a)750 points to be considered for BTU meter as per tender BOQ. b)Energy meter qty shall be appx 250 nos and Min 6 points shall be considered for each meter hence total is 1500 points .
25	2/Vol 4	In BOQ item no.5c	Energy Meters	Energy meter qty is not given for third party integration.	

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26	3/Vol 4	In BOQ item no.5e	Lift	Lift qty is not given for third party integration.	Lift qty shall be 8 nos and Min 15 points shall be considered for each lift , hence total is 120 points.Rate may be Quoted for single lot.
27	3/Vol 4	In BOQ item no.5f	DG	DG set qty is not given for third party integration.	DG qty shall be 3 nos and Min 15 points shall be considered for each DG , hence total is 45 points.Rate may be Quoted for single lot.
28	3/ Vol 4	In BOQ item no.5g	FAS	Protocol has to confirmed for FAS integration either Modbus/Bacnet IP.	Open protocol shall be considered as like Modbus/Bacnet as per Tender.
29	3/Vol 4	BOQ Item No 5-h,	HSD level sensor	"HSD level sensor integration (10 points)" in 3rd Party Interface by using Gateway Controller. Kindly clarify and confirm the actual requirement.	3 nos of level sensor with min 5 nos of soft points shall be considered hence total points shall be 15.Rate may be Quoted for single lot.
30	3/Vol 4	BOQ Item No 5-i.	Fire Pump	For Fire pump integration. Please confirm the following.	Please be considered the 20 points for quoting purpose as per BOQ.Rate may be Quoted for single lot.
				a. What are the parameters going to be monitored, as it is not mentioned in IO summary	
				b. Please confirm whether it's for VFD or PLC based pumps.	
				c. Since the points are very less (20 points) shall we group the same with other Third party controllers	
31	3/ Vol 4	BOQ item 8.1,	DDC Controller	IO List "LAB and CMFOR AHU IN LAB FLOOR" calls for 178 Nos of AHU's. But the BOQ calls for 3 AHU in 1 DDC of 34 Nos. Please confirm the quantity and grouping of DDC's.	3 AHU in 1 DDC group have been considered and quantity shall be same as per tender BOQ
32	3/ Vol 4	BOQ item 8.2,	DDC Controller	Please clarify as above	2 AHU in 1 DDC group have been considered and quantity shall be same as per BOQ.
33	4/ Vol 4	BOQ Item No 8.10,	Façade DDC	IO summary calls for 2 number of DDC for "Façade Ventilation system", whereas BOQ calls for 1 numbers of DDCs. Please confirm the same.	24 fans may be conneted in single DDC.Hence Please quote as per BOQ.

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Fire alarm system					
34	6/ Vol 4	In BOQ item no.14	FAS Pannel	Fire Alarm System Panel- Whether we have to quote for a new system or we have to go for exsiting system. But what is the existing system used at the site level	Proposed panel for Fire Alarm System in the IBMS tender works shall be new one which shall be capable to integrate the phases I & III in future.
35	6/ Vol 4	In BOQ item no. 14	FAS Pannel	Fire Alarm System Panel, Each loop should provide 125 Detectors/ Devices .Why we require 20 Loop Panel since the detector quantity is less. However if required We will give Two Ten Loop Panel since in market only 10 loop panel is available. What is the 7 loop cards refer to whether it is single loop or double loop card?	As above (Ref sl.no-34)
36	7/ Vol 4	In BOQ item no.16	Multisensor Detector	Multisensor Detector (True Ceiling/False Ceiling) - The quantity of Detector is give for only True Ceiling or False Ceiling	This line item shall inclusive of basebox with Detector as per tender BOQ.
37	7/ Vol 4	In BOQ item no. 19	Fault Isolation Module	BOQ called for detectors and external Isolator Modules. Please confirm	As per Tender BOQ.
38	9/ Vol 4	In BOQ item no. 26	Mimic Panel	Mimic Panel- Kindly confirm, Spec calls for 13 floors and 3 basements , Whether we should consider only 1 No or for all the Floors	As per tender BOQ.
CCTV					
39	13/ Vol 4	BOQ item no.54,	Camera	please provide the Lens specification required for Dome camera.	Min 6mm lens to be considered for quoting.
40	13/ Vol 4	BOQ item no.54, 55 & 56	Camera	please confirm the indoor and outdoor dome camera quantities.	Item No. 54 shall be Indoor type and 55 & 56 shall be Outdoor type.
41	14/ Vol 4	In BOQ item no. 57	Camera Server	Only camera server is considered in BOQ, Database server with redundancy Client machines, required n/w switches are not considered. PI clarify the scope for these items	Its included in BOQ under the subhead of " Networking system for CCTV".
42	Vol 4	VI	Networking system for CCTV".	PI clarify the networking scope for CCTV system. PI confirm	Please Refer the subhead of " Networking system for CCTV" in BOQ .

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43	14/ Vol 4	In BOQ item no. 57 & 58	CCTV	Supply scope of All the servers, client machines, Video wall/Monitors etc to be clarified. PI clarify	As per Tender BOQ.
44	20/ Vol 4	In BOQ item no. 100	Data Base Server for CCTV	Supply Scope of NAS/Raid backup device to be clarified. PI clarify	It shall be Data Base Server for CCTV.
Access control system					
45	15/ Vol 4	In BOQ item no.63 & 64	Access Controller	Supply of 4 Reader and 8 Reader Controller - Does we require 116 Reader Controller for 48 Doors, 2 lane flap barrier, 4 slim type flap barrier and 2 lane outdoor type Stainless steel tripod? Can we provide Two, 2 Reader Controller and Two 4 Reader Controller. Is that ok?	As per tender BOQ.
46	Vol 4		General	Kindly mention whether the given BOQ is for single floor or for all the 12 floors+3Basements+1Gf	It shall be cover common areas of all the floors and First floor(BTCIF area) Lab area.
EPABX system					
47	21/Vol 4	In BOQ item no. 101	EPABX	As per the specification 10 PSTN lines is mentioned where as less than 8 PSTN incoming line is sufficient for this configuration. Kindly clarify	As per tender Boq.
48	21/ Vol 4	In BOQ item no. 103.1	2 pair cable	Kindly indicate the application of 2 Pair cable in the commissioning of the telecom equipments, since it is recommended to have 4 pair cables at all the locations.	As per tender BOQ.
49	22/ Vol 4	In BOQ item no. 104	Telephone Jack	Please provide the clarity in the necessary accessories needed for the telephone Jack(wall mountable etc).	As per tender BOQ.
50			General	The makes of the some of the items mentioned do not have country of origin of USA / Europe, so please approve for the Indian origin.	Tender conditions holds good.

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We request you to Kindly Approve for the following Makes					
51	Vol 4	Systems		Approval Requested	
a		Access Control System:	General	Tyco,KABA	As per tender Make of materails.
b		Visitor Management System		Honeywell	As per tender Make of materails.
c		Facility Management Software		Honeywell	As per tender Make of materails.
d		EM Locks & Emergency break glass.		Europlex	As per tender Make of materails.
e		Flap barrier		KABA	As per tender Make of materails.
f		CCTV		Tyco	As per tender Make of materails.
g		Intergrated IP Cameras		DVTEL, Siemens	As per tender Make of materails.
h		PTZ Cameras		DVTEL	As per tender Make of materails.
i		CCTV Software		DVTEL , Genetec & siemens	As per tender Make of materails.
j		Fire alarm system		EST(Edwards)	As per tender Make of materails.
k		BMS controller and software		Sauter	As per tender Make of materails.
l		Ultrasonic BTU Meter Sensor		Belimo	As per tender Make of materails.
m		PVC Conduit		BEC	As per tender Make of materails.
n		EPABX, IP Phones, MDF, SDF		ALCATEL	As per tender Make of materails.
o		BTU meters		Shenitech	As per tender Make of materails.