

Upgradation/Renovation of Inter-State Bus Terminal at Kashmere Gate in NCT of Delhi

ADDENDUM No. 1 (SUMMARY SHEET)

A.	Pre-bid queries clarifications				Enclosed
B.	Modifications to Tender document				
S. No.	Volume / Page No.	Clause no.	In place of	Please read as	Remarks
1	Volume-I, Page 1-1 to 1-2	Invitation for Bids	Pages 1 to 2	pages 1R to 2R	Invitation for Bids Pages 1R to 2R replaced and Enclosed
2	Volume-I, Page 1-4	Clause No. 4.2	Pages 1-4	Page 1-4R	Clause no. 4.2 Modified & enclosed.
3	Volume-I, Page 1-8	Clause No. 12.2	Pages 1-8	Page 1-8R	Clause no. 12.2 Modified & enclosed.
4	Volume-I, Page 3-62	Clause No. 36	Pages 3-62	Page 3-62R	Clause no. 36 Modified & enclosed.
5	Volume-I, Page 3-63	Programmes	Pages 3-63	Page 3-63R	PROGRAMMES Modified & enclosed.
6	Volume-II, Page 5-7	Part-I Clause 3.3	Pages 5-7	Pages 5-7R	Clause Modified Page no 5-7R enclosed
7	Volume-II, Page 5-113 to Page 5-119	Part-II Section I List of Approved Makes	Pages 5-113 to 5-119	Pages 5-113R to 5-119R	List of Approved Makes Replaced. Page 5-113R to 5-119R enclosed.
8	Volume-II, Page 5-125 to Page 5-129	Part-III Section II Clause no. 3.0	Pages 5-125 to 5-129	Pages 5-125R to 5-129R	Clause no. 3.0 Replaced. Page 5-125R to 5-129R
9	Volume-II, Page 5-158 to Page 5-163	Part-III Section II List of Approved Makes	Pages 5-158 to 5-163	Pages 5-158R to 5-163R	List of Approved Makes Replaced. Page 5-158R to 5-163R enclosed.
10	Volume II Page no 5-170 to Page 5-171	Part -IV, Section I Clause 5A	Page 5-170 to 5-171	Pages 5-170R to 5-171R	Modified Page no 5-170R to 5-171R enclosed
11	Volume II Page no 5-230 to Page 5-232	Part -IV, Section 12 Clause 5A	Page 5-230 to 5-232	Pages 5-230R to 5-232R	Modified Page no 5-230R to 5-232R enclosed
12	Volume II Page no 5-247 to Page 5-250	Part -IV, Section 16	Pages 5-247 to 5-250	Pages 5-247R to 5-250R	Modified Page no 5-247 to 5-250 are enclosed
13	Volume II Page no 5-274	Part -IV, Section 18	Page 5-274	Page 5-274R	Modified Page no 5-274R is enclosed
14	Volume III,	Bill of Quantities			Revised Bill of Quantities Enclosed
15	Volume IV, Drawings	Drawings			drawing nos. A-10, A-11, A-12, A-12A, A-19C, A-19D, A-19E, A-19F enclosed Phasing Plan Drawings PP-1, PP-2, PP-3, PP-4, PP-5 & PP-6 enclosed

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CLARIFICATIONS SOUGHT BY BIDDERS

No.	Bidder's Queries/Comments	DIMTS Reply
1	Dismantling & Demolishing Clause no 1.00 at page 7-8 Kindly clarify whether our scope includes dismantling of building sub-structure, re-routing of existing cables & Pipelines	Please refer to the Revised BoQ issued with Addendum No. 1 & refer to Clause no 6 of Conditions of Contract (Additional Conditions) on page no. 3-66.
2	Reinforcement Steel: Item no 4.03 at Page 7-21 Kindly clarify whether Chairs, Laps, spacer shall be measured & paid Separately	Please refer to revised Sr. No. 3.3 of Section 5-Technical Specifications issued with Addendum No. 1 on page 5-7R
3	Flooring Works: Item No 6.00 at Page 7-27 Kindly provide the Basic Rate for all Flooring Items	Basic rate of Granite to be assumed around Rs. 1500/- per Sqm FOR Site.
4	Flooring Works: Item No 9.00 at Page 7-39 Kindly provide the Basic Rate for all Flooring Items	Basic rate of Vitrified tile flooring to be assumed around Rs. 700/- per Sqm FOR Site.
5	Ceramic Tiles: Item No 9.06 at Page 7-40 Kindly provide the size of Granite Tiles	Please refer to Revised BoQ issued with Addendum No. 1
6	Aluminium Works: Frameless Glass Cladding- Item No. 11.03 at page 7-50 Kindly provide the detail drawings for this item of work	Drawing no. A-10, A-11 to be referred for this item which is issued with Addendum No. 1
7	Aluminium Works: Aluminium Stick Curtain Glazing at roof- Item No. 11.05 at page 7-51 Kindly provide the detail drawings for this item of work	Drawing no.A-19C, A-12, A-12A to be referred for this item which is issued with Addendum No.1
8	Ticket Counter:- Item No 11.14 at Page 7-59 Kindly provide the detail drawings for this item of work	Drawing no. A-19E to be referred for this item which is being issued with Addendum
9	Aluminium Composite Panel:- Item No 11.17 at Page 7-60 Kindly provide the detail drawings for this item of work	Drawing no.A-19D, A-19F to be referred for this item which is issued with Addendum No.1
10	UPVC Windows:- Item No 11.18 at Page 7-61 Kindly provide the Size of UPVC doors, windows, ventilators etc & also provide the detailed drawing of this item of work	Item Deleted, Please refer to the Revised BoQ issued with Addendum No. 1
11	Page 5-455, Para 1.5 : Is there any real time clock available at ISBT? If yes then is there an interface for synchronization available? If yes then the protocol for interface will be required	The system should be designed & should be capable of integration with respect to time synchronization for which interfacing may be done at later stage.
12	Page 5-455, Para 2.6: Give the details of system with make/manufacture and the protocol available for accepting data from third party.	The requirement may be deleted
13	Page 5-456, Para 3.5: Give the details of technology/system with make/manufacture and the protocol available for accepting data from third party.	There is no other system available at present. Integration with PA system is required in future. You may give your protocol for integration with PA system by the PA vendor.
14	Page 5-456, Para 3.8: is it required only in Servers or also on the LCD's?	Watchdog functionality is required only in servers. Not required in LCDs.
15	Page 5-459, Para 5.14: Universally this function is not available. Is it a must or can be dropped as this requires a new development of server/client software and will be a high cost?	This facility is not required
16	Page 5-466, Para 10.10.5:- Is it a compulsion or a oval LED can be used which gives a better display formation.	Oval LED is acceptable
17	Page 5-466, Para 10.10.7: Conflict in type of LED's with Para 10.10.5. Is it a oval or surface mounted?	It is Oval and not surface mounted
18	Page 5-466, Para 10.10.20: Do you mean lower and upper case letters should be displayed together?	Yes both are required
19	Page 5-466, Para 10.10.24: A stand alone clock is possible? But a synchronized clock will cost extra efforts and money? Please clarify if a synchronized clock is a must?	Standalone clock shall be acceptable provided high frequency crystal is used for accuracy so that all clocks indicate same time

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CLARIFICATIONS SOUGHT BY BIDDERS

No.	Bidder's Queries/Comments	DIMTS Reply
20	Volume II, Page 5-173 :- According to Technical specifications ARI certified Chiller is required but Clivet/ Climavenetta/ Hitachi are approved but not ARI certified.	If the chiller supplied is European make then EURO certified is acceptable
21	Volume II, Page 5-247 : According to Technical Specifications 2-3 no. of Compressor per machine required but YORK/ Trane provides single compressor machine only.	Chiller Machine with single compressor is also acceptable
22	Volume II, Page 5-175 : DX type evaporator required in chiller but York/ Trane Provides Flooded type evaporator	Flooded type evaporator is also acceptable in chiller Machine
23	Volume III, Page 7-184: approved makes of Flexible ducting not specified.	Please refer to List of Approved makes, Sr no. 40.7 on page no. 5-274R issued with Addendum No. 1 enclosed
24	You have put an additional pre-qualifying conditions, Refer annexure-I, Item No. 6 (Initial Filter of Applicants). This additional criteria shall act as a deterrent and to a large extent decrease the number of pre-qualified participants at this stage. This clause also hamper the process of healthy and transparent competition. Keeping in view of the above, we humbly request your good self to kindly remove this additional clause mentioned in your letter.	No Change in Tender Conditions
25	We would like to request you to extend the date of submission by 15 days. Since this tender needs lots of input & associating with various Specialized Agency for the Specialized scope works from various different vendors	Please refer Revised Invitation for Bids issued with Addendum No.1 and Enclosed.

Schedule & Quantity of PIDS-ISBT

Sr. No.	Item Description	QTY	Unit	Unit Price (Rs.)		Total Price (Rs.)
				In Figure	In Words	
1	Supply, Installation, testing, commisioning of 10 Line LED Line Display Board for Departure (as per specifications)	4	<u>Nos.</u>			
2	SITC of 2 Line LED Indicator Board at Bus parking bay (as per specifications)	48	<u>Nos.</u>			
3	SITC of 32" TFT-LCD Display (with Intelligent Controller) with wall mount for Ticket counters (as per specifications)	25	<u>Nos.</u>			
4	SITC of 46" TFT - LCD display (with Intelligent Controller) with ceiling/wall mount (as per specifications).	15	<u>Nos.</u>			
5	SITC of 20" High resolution TV monitor with computer and associated software for operation as self supported touch screen information kiosk (computer to be embedded along with the monitor) . The software shall be of user friendly GUI,containing all necessary data of ISBT information such as departure -arrival information ,security guidelined , ISBT facilities ,city route from ISBT, hotel facilities and other salient feature needed for the passengers.	3	<u>Nos.</u>			

Sr. No.	Item Description	QTY	Unit	Unit Price (Rs.)		Total Price (Rs.)
				In Figure	In Words	
6	SITC of Data Entry Terminal (Client System) as per specifications.	5	<u>Nos.</u>			
7	SITC of Two Servers to work in load sharing mode with single monitor, key board and mouse operated with the help of KVM switch (as per specifications) to work as Main/Standby	1	<u>Set</u>			
8	SITC of IVRS Server (as per specifications)	1	<u>No</u>			
9	SITC Of AS Server (as per specifications)	1	<u>No</u>			
10	SITC of 24 Port 100/1000 Mbps switch as per specifications	9	<u>Nos.</u>			
11	SITC of Power distribution panel for installation in equipment room / field as per specifications	5	<u>Nos.</u>			
12	SITC of 10KVA On line UPS as per specifications	2	<u>Nos.</u>			
13	SITC of 25 mm dia 16 SWG ISI marked MS conduit .	2000				

Sr. No.	Item Description	QTY	Unit	Unit Price (Rs.)		Total Price (Rs.)
				In Figure	In Words	
14	SITC of UTP Cat 6 cable .	3000	<u>Mtrs</u>			
15	SITC of 3 core 48/0.2mm dia ABC conductor PVC insulated PVC sheathed Unarmoured power cable.	2500	<u>Mtrs</u>			
16	Supply, Installation, testing and commissioning of OS and Application software including customization as required	1	<u>Set</u>			
	Note: Final Payment shall be released only after the successful testing and commissioning of the whole system installed above.					
	Grand Total					

This will be part of Financial Bid and to be submitted along with Financial Bid

Boq for HVAC

PHASE - I						
Sr.	Description.	UNIT	QTY	Rate in (RS.)		Amount (Rs.)
				In Figures	In Words	
1.	<u>Water Chilling Unit</u>					
	Providing, fixing, testing and commissioning water cooled screw chilling unit complete with semi hermetic/hermetically sealed screw compressor multi circuit chiller, shell & tube condenser, microprocessor based control panel, refrigerant controls & piping, full charged with non CFC refrigerant, mounting base frame, foundations, foundation pads shall be vibration free etc. complete as per specifications and drawings.					
	Chilled water out : 7.2 ^o C					
	Chilled water in : 12.8 ^o C					
	Chiller F.F. : 0.0005					
1.1	250 TR	Nos.	<u>3</u>			
2.	<u>Pump Set</u>					
	Providing, fixing, testing and commissioning of split casing type water circulating pump sets complete with motor, base plate foundation etc. as per specifications and drawings. (Installation of pumps shall be vibration free in operating conditions. All necessary pre-cautions shall be taken such as cushy foot mounting etc. for installation of pumps).					

Boq for HVAC

2.1	Primary Chilled water pump, split casing type with end suction top discharge, 600 USGPM at 20 mt. head (one standby).	Nos.	4			
2.2	Condenser water pump, split casing type with end suction top discharge, 950 USGPM at 30 mt. head (one standby).	Nos.	4			
3.	<u>Secondary Chilled Water Pumps & Variable Speed Pumping System</u>					
	Providing, fixing, testing and commissioning of secondary variable speed pumping system consisting of 3 Nos. secondary pumps, 2 Nos. dedicated microprocessor based pump controller with parallel pumping software duly downloaded, 3 Nos. adjustable frequency drives and multiple differential pressure sensor/ transmitters as necessary and as described in the specifications.					
	The entire system alongwith secondary pumps must be sourced from single manufacturer only for unit responsibility.					
	The system shall be complete in all respects and suitable for following rating.					
3.1	Split casing end suction and top discharge secondary chilled water pumps 900 USGPM at 18 mt. head. (one standby)	<u>Set</u>	<u>1</u>			
4.	<u>Cooling Tower</u>					

Boq for HVAC

	Providing, fixing, testing and commissioning of FRP induced draft type cooling tower complete with FRP basin, FRP body, fan, distribution pipes, overflow pipe, ladder including foundation etc. as per specifications and drawings.					
4.1	300 TR (one standby)	Nos.	<u>3</u>			
5.	<u>Airhandling Units</u>					
	Providing, fixing, testing and commissioning of double skin top/side discharge floor mounted type airhandling units complete with fan, fan motor with variable frequency drive (VFD), cooling coil, canvass connection, filters etc.as per specifications and drawings.					
5.1	24,000 cfm, 4 RD coil	Nos.	14			
5.2	12,000 cfm, 4 RD coil	No.	1			
6.	<u>Unitary Airhandling Units</u>					
	Providing, fixing, testing and commissioning of double skin ceiling hung unitary type airhandling unit complete with fan, fan motor drive with variable frequency drive (VFD), cooling coil, filters, canvass connections, complete as per specifications and drawings.					

Boq for HVAC

Sr.	Description.	UNIT	QTY	Rate in (RS.)		Amount (Rs.)
				In Figures	In Words	
9.	<u>Condenser Water Piping</u>					
	Mild steel condenser water piping system as per specifications and drawings.					
9.1	Providing, fixing, testing and commissioning of `C' class mild steel - black steel pipes/ <u>Valves/Strainers</u> with all necessary fittings i/c bends, tees, reducers, flanges, supports etc. as per specifications and drawings.					
9.1.1	400 mm	Rm	200			
9.1.2	250 mm	Rm	100			
9.2	<u>Butterfly Valves</u>					
9.2.1	250 mm	Nos.	24			
9.3	<u>Balancing Valve</u>					
9.3.1	250 mm	Nos.	3			
9.4	<u>Non Return Valves</u>					
9.4.1	250 mm	Nos.	<u>4</u>			
9.5	<u>Y - Strainer</u>					

Boq for HVAC

Sr.	Description.	UNIT	QTY	Rate in (RS.)		Amount (Rs.)
				In Figures	In Words	
9.5.1	250 mm	Nos.	<u>4</u>			
9.6	Water flow switch	Nos.	3			
9.7	Pressure gauge	Nos.	14			
9.8	Thermometer	Nos.	6			
9.9	<u>Flexible Pipe Connection</u>					
9.9.1	250 mm	Nos.	14			
9.10	Motorized butterfly valve with actuator, motor, all controls & control wiring etc.					
9.10.1	250 mm	Nos.	6			
10.	<u>Chilled Water Piping</u>					
	Providing, fixing, testing and commissioning of 'C' class mild steel black steel pipes/ <u>Valves/strainers</u> with all necessary fittings, supports, insulation & aluminium cladding etc. as per specifications and drawings.					

Boq for HVAC

Sr.	Description.	UNIT	QTY	Rate in (RS.)		Amount (Rs.)
				In Figures	In Words	
10.4.2	200 mm	Nos.	<u>4</u>			
10.5	<u>Y - Strainer</u>					
10.5.1	200 mm	Nos.	<u>4</u>			
10.5.2	80 mm	Nos.	14			
10.5.3	65 mm	No.	1			
10.6	<u>Ball Valves</u>					
10.6.1	40 mm with strainer	Nos.	9			
10.6.2	40 mm without strainer	Nos.	9			
10.6.3	25 mm with strainer	Nos.	15			
10.6.4	25 mm without strainer	Nos.	15			
10.7	<u>Flexible Connection</u>					
10.7.1	250 mm	Nos.	6			

Boq of HVAC

Sr.	Description.	UNIT	QTY	Rate in (RS.)		Amount (Rs.)
				In Figures	In Words	
	Providing and fixing acoustic insulation on walls & ceiling using 32 kg/m ³ glass wool slabs of 50 mm thick, using G.I. channels, R.P. tissues and covered with 26 Ga Aluminium perforated sheets complete as per specifications & drawings.	Sqm	1850			
23.	<u>Volume Control Damper</u>					
	Providing and fixing 18 Gauge GI Volume control damper in ducts complete as per specifications and drawings.	Sqm	14.26			
24.	<u>Fire Damper</u>					
	Providing and fixing galvanised sheet fire dampers complete with damper electric actuator, smoke/heat detector, interlocking arrangement with blower motor complete as per specification and drawings. (Opening of fire damper in wall/ partition to be cut and later made good to a fire rating of similar capacity as the damper by HVAC contractor.)					
24.1	Fire dampers	Sqm	65.0			
24.2	Actuator assembly	Nos.	72			
25.	<u>Electric Panel Board</u>					