



DELHI TRANSIT

Delhi Integrated Multi-Modal Transit System Ltd.

***DEVELOPMENT OF COMMAND & CONTROL CENTER (DCCC) FOR TRAFFIC
SYSTEM AT ISBT KASHMERE GATE NEW DELHI ON DESIGN & BUILD BASIS***

CONTRACT NO- DIMTS/DCCC

TENDER DOCUMENTS

VOLUME - 2

DECEMBER, 2009

1ST FLOOR, MAHARANA PRATAP ISBT BUILDING

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PREAMBLE

1. The Bill of Quantities shall be read in conjunction with Instructions to tenderers, General and Special Conditions of Contract, Notice Inviting Tenders, Technical Specifications and Drawings.
2. The bill of quantities is sub-divided in three schedules as under :
 - (i) Schedule 'A' of Bill of Quantities : This schedule comprises of scope of work as covered/detailed in "Scope of Work mentioned in Employer's Requirements". The tenderer has to quote a "total lump sum amount "against scope of work under Schedule 'A' . The payment for work done under this schedule will be made as per Schedule for on account stage payment enclosed as Annexure 1 of Schedule 'A'.
 - (ii) Schedule 'B' of Bill of Quantities: Schedule 'B' comprises of Item rate Bill of Quantities related to furniture and other finishing & other miscellaneous works to be executed on item rate basis not included in the Schedule 'A' above. The tenderer has to quote the rate (in words and figures) against each item in Schedule "B". The payment shall be made as per the quantum of work executed at the rates quoted by Contractor for individual BOQ item. Contractor will have no right for any claims whatsoever like loss of profit etc. in case the actual quantum of work executed against any BOQ item is less than the quantities given in BOQ. Similarly, in case of increase in quantities beyond BOQ provisions, no rate revision shall be affected and quantities under variation shall be executed by Contractor at quoted BOQ rates.
 - (iii) Schedule 'C' of Bill of Quantities: This schedule comprises of percentage rate Bill of Quantities for works under DSR 2007 for Civil works and DSR – 1994 for Electrical Works. Under this Schedule the contractor has to do all works which are not covered in Schedule A and B for any other work as per site requirements and direction of the Engineer. The basic amount of work considered under this schedule is Rs. 7,00,000/-[Rs. Seven Lakhs only]. The tenderer has to quote percentage above/below/at par rates against schedule 'C'.

The basic amount of work indicated above is provisional. The value of work executed under this schedule may be less than this amount. In such an eventuality, Contractor will have no right for any claims whatsoever like loss of profit etc. Similarly, the value of work to be executed under this schedule may be more than the amount mentioned above. However, irrespective of the quantum of work involved, the works shall be executed and paid for as per the percentage above/below/at par rates quoted by Contractor and no rate revision shall be affected in any case.
3. The quoted rates and prices in Priced Bill of Quantities will be deemed to include all plant, labour, supervision, materials, transport, all temporary works, erection, maintenance, taxes and duties, contractor's profit and establishment/overheads, together with preparation of design and drawings, all general risks, insurance liabilities, compliance of labour laws and obligations set out or implied in the contract.

4. If the tenderer fails to quote rate against “Schedule A of bill of quantities, the tender will be treated as incomplete and non-responsive and shall be rejected. Similarly, if the tenderer fails to quote rate against any item (for which quantity has been provided) in Schedule “B” of bill of quantities, the same will not be paid for by Employer when executed and shall be deemed to have been included by the tenderer in the rates and prices for other items in the bill of quantities.
Similarly, if the tenderer fails to quote percentage above/below/at par rates against schedule ‘C’, it will be deemed to have been quoted “ at par” and payment for any work undertaken under this schedule shall be made at DSR, rates as mentioned.
5. General directions and descriptions of work and materials are not necessarily repeated, nor summarized in the Unit Priced Bill of Quantities. Reference to the relevant sections of the contract documentation shall be made before entering prices against each item in the Unit Priced Bill of Quantities.
6. Tenderers shall fill the Unit Priced Bill of Quantities in Rupees only.
7. Errors will be corrected by the employer for any arithmetic errors in computation or summation as per contract conditions.
8. All the unit rates should be filled both in figures and words and amounts should be filled in figures only.
9. All columns in the Bill of Quantities shall be filled in indelible ink or type written and the total tender amount shown in the bottom. The person authorized to sign on behalf of the Tenderer shall sign in full with company seal and date at the bottom of all pages and at the end of summary sheet, schedules ‘A’, Annexure – 1 to schedule-A, Schedule ‘B’, & Schedule ‘C’. Any corrections shall be made by clearly striking out the previous data, writing the correct figure/data and putting signature of the authorized signatory at the place of correction. Use of correction fluid is not allowed.
10. This Schedule of Payment enclosed as Annexure 1 of Schedule ‘A’ is purely for the purpose of releasing ‘On Account payments’ for the work executed under the ‘Lump Sum component’ of the work i.e. scope of work under schedule A.
11. The works executed against the BOQ items in Schedule B and DSR items under schedules ‘C’ would be paid on measurement basis.
12. The payment under the Payment Schedule will cover all work specified in the tender drawing and / or provided in the scope of work. The Schedule of Payment will not get modified due to alterations of any type so far as the modifications/alterations are within the scope of work and/or provided for in the tender drawings.
13. The Contractor may raise their ‘On Account’ payments on monthly basis as per the status of work on the last day of the respective month.

FORM OF TENDER

- Note :
- i. The Appendix forms part of the Tender
 - ii. Tenderers are required to fill up all the blank spaces in this form of Tender and Appendix.

To,

Deputy General Manager (Projects),
Delhi Integrated Multi Modal Transit System Ltd.
1st Floor, Maharana Pratap I.S.B.T.,
Kashmere Gate, Delhi-110006.

Sub: _____(Name of Work)

Sir,

1. Having visited the site and examined the General as well as Special conditions of contract, current CPWD specifications with updated correction slip, Special/Additional Specifications, Instructions to Tenderers, Tender Drawings, Addenda etc. for the execution of above named works, we the undersigned, offer to execute and complete such works and remedy defects therein in conformity with the said Conditions of Contract, Specifications, Tender Drawings and Addenda for the sum of

_____ (Amount in figures and words) for Development of Command & Control Center (DCCC) for Traffic System at ISBT Kashmere Gate New Delhi on Design & Build Basis.

2. We acknowledge that the Appendix to Tender forms an integral part of the Tender.
3. We undertake, if our Tender is accepted, to commence the works within 7 days of issue of the Letter of Acceptance and to complete the whole of the Works comprised in the Contract **within 3 months + 7** days calculated from the date of issue of the Letter of Acceptance, as indicated in the Appendix to Tender.
4. If our Tender is accepted, we will furnish a Bank Guarantee for Performance Guarantee for the due performance of the Contract. The amount and form of such guarantee or bond will be in accordance with Clause 4.2 of the General Conditions of the Contract, Clause 35 of Instructions to Tenderers and as indicated in the Appendix to Tender.
5. We have independently considered the amount shown in Clause 8.5 of the General Conditions of Contract as liquidated damages and agree that they



- represent a fair estimate of the damages likely to be suffered by you in the event of the work not being completed in time.
6. We agree to this Tender valid for a minimum period of 90 days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiry of that period or any extended period mutually agreed to.
 7. Unless and until a formal Agreement is prepared and executed, this Tender, together with your written acceptance thereof, shall constitute a binding contract between us.
 8. We declare that the submission of this Tender confirms that no agent, middleman or any intermediary has been, or will be engaged to provide any services, or any other item of work related to the award and performance of this Contract and that we have not breached or will be breaching the Clause 4.33 of General Conditions of Contract. We acknowledge the right of the Employer, if he finds to the contrary, to declare our Tender to be non-compliant and if the Contract has been awarded to declare the Contract null and void.
 9. We understand that you are not bound to accept the lowest or any tender you may receive.
 10. If our Tender is accepted we understand that we are to be held solely responsible for the due performance of the Contract.

Dated this.....day of.....2009

Signature

Name..... in the capacity of
duly authorized to sign Tenders for and on behalf of.....

Address

Company Seal



ABBREVIATIONS

<u>Abbreviations</u>		<u>For</u>
Rs or RS	:	Indian Rupees
LS or L.S or SUM	:	Lump Sum
Nr. or No. or Nos.	:	Number(s)
Lm or LM or lm	:	Linear Metre
M	:	Metre
KM or km	:	Kilometre
Hct. Or Hct	:	Hectare
m ² or sq.m or sqm	:	Square Metre
m ³ or cum or cu.m or Cum	:	Cubic Metre
cc. or c ³ or cu.cm or cucm	:	Cubic Centimetre
cum. Km. Or cum km	:	Cubic Metre Kilimetre
KG or kg or Kg	:	Kilogram
mt or t or T or tone	:	Metric Tonne
HP	:	Horse Power
IRC	:	Indian Roads Congress
IS	:	Indian Standard
P.O.L. or POL	:	Petroleum, Oil & Lubricants

Development of Command & Control Center (DCCC) for Traffic System on Design & Build Basis

Summary of Schedules A, B & C of BOQ

S.No	Description	Amount (in Rs.)	
		(In figures)	(in words)
1	Schedule A		
2	Schedule B		
3	Schedule C		
	Total Tender Sum(in Figures)[1+2+3]		
	Total Tender Sum(in Words)[1+2+3]		
	Rebate/Discount Offered , if any =	%	
	Total Tender Sum after Rebate		
	(i) In figures		
	(ii) In Words		



Development of Command & Control Center (DCCC) for Traffic System on Design & Build Basis			
Bill of Quantities			
SCHEDULE - A			
S.No.	Item	Lump Sum Amount quoted	
		In figures(Rs.)	In words(In Rupees)
1	Price for scope of work included under schedule-A of BOQ as defined under "Employer's Requirement -Scope of Work-Functional " Volume - 1 of tender documents		
(a)	Development of Command & Control Center (DCCC) for Traffic System on Design & Build Basis		

Authorised Signatory with Company Seal



Annexure - I of Schedule - A

SCHEDULE FOR ON ACCOUNT PAYMENTS UNDER LUMP SUM PORTION

The payment would be governed by the stage payment schedule as detailed below:

Percentage Breakup of the cost components for DCCC in various components shall be as under-

S.No.	Item	Percentage of the Total Tended Cost of Schedule- A
1	CIVIL WORKS	
a	Dismantling/demolition, clearing, site preparation	2.00%
b	False ceiling/flooring, partitioning	9.00%
c	Built in furnishing and finishing works	5.00%
d	Plumbing & sanitary works	4.00%
2	ELECTRICAL & DG WORKS	
a	Conduiting/wiring	2.00%
b	Supply of fittings/fixtures/LT panels, etc.	4.00%
c	Installation of fittings/fixtures/LT panels, etc.	4.00%
3	IT WORKS & UPS	
a	Supply of equipment	8.00%
b	Installation of equipment	7.00%
4	AC WORKS (PAC & HVAC/VRFAC)	
a	Supply of equipment	9.00%
b	Installation of equipment	6.00%
5	SERVICES (FIRE ALARM & DETECTION SYSTEM, FIRE SUPPRESSION SYSTEM, VESDA, SECURITY ACCESS CONTROL SYSTEM, BMS, CCTV SURVEILLANCE SYSTEM, WATER-LEAK DETECTION SYSTEM, PUBLIC ADDRESS SYSTEM, RODENT	
a	Supply of equipment	10.00%
b	Installation of equipment	10.00%
6	Final Testing & Commissioning	15.00%
7	Clearing of site & Handing Over	5.00%
(i)	The above provisions would not mean confinement of the work for the measurable areas only. The Contractor has to carry out the entire work specified in the Tender Drawings and/or specified in the Scope of Work but only for the purpose of payment, would get paid as per the procedure specified.	
(ii)	The successful contractor will prepare the quantity schedule and submit a quantity schedule as per the details finalized by them for the components listed above. Unit payment of the items shall be governed by the quantity schedule within percentage payment specified for that item.	
(iii)	The successful contractor will prepare a quantity schedule for payment of individual items within the main item as per the payable units detailed above within the percentage payment payable on completion of individual units. All the payments would be made as per this quantity schedule after approval of the same by the Engineer. The Contractor should note that while stage payments shall be governed by the quantity schedule, total cost of the Lump Sum	

Authorised Signatory with Company Seal

Development of Command & Control Center (DCCC) for Traffic System on Design & Build Basis

Bill of Quantities

Schedule – B

Item No.	Description of Item	Unit	Quantity	Rate (Rs.)		Amount (Rs.)
				(in figures)	(in words)	In figures
FURNITURE						
LF-7	Supply of table of size 1800x750x750mm using 25mm thick post form top and rest 18mm thick pre laminated particle board, PVC side edge with all fittings and fixtures complete as per direction of Engineer-in-charge including (i) Pedestal unit of size 450x450x715mm(ht) under the table made of 25mm thick post form top and rest 18mm thick pre-laminated particle board with two equal drawers and one filling drawer with centralized locking and castors duly powdered coated in/c all fittings & fixtures complete. (ii) CPU trolley with W-180mm, D-245mm, H-210mm made up of press formed MS CP sheet 1.6mm thick with adjustable width, rubber pads inside the trolley for the safety of CPU in/c castors and brakes with fittings and fixtures complete.	Each	1			
LF-1	Supply of work station table of size 1070mm x 600mm x 750mm , with key board tray, expendable CPU trolley (Metal), Pedestal unit under the working top using 25mm thick post form top and rest 18mm thick pre-laminated particle board as per specification of key board tray(Pull out type), CPU Trolley & Pedestal unit are given below with all	Each	24			

Item No.	Description of Item	Unit	Quantity	Rate (Rs.)		Amount (Rs.)
	fixture and fittings, as per direction of Engineer-in-charge. (i) Pedestal unit of size 450x450x715mm(ht) under the table made of 25mm thick post form top and rest 18mm thick pre-laminated particle board with two equal drawers and one filling drawer with centralized locking and castors duly powdered coated in/c all fittings & fixtures complete.(ii) CPU trolley with W-180mm, D-245mm, and H-210 mm made up of press formed MS CP sheet 1.6mm thick with adjustable width, rubber pads inside the trolley for the safety of CPU in/c castors and brakes with fittings and fixtures complete.					
BF-2	Supply of Bookcase (4-case) of Godrej make 914mm width x 1742mm height x 320mm depth made from prime quality CRCA steel with anti rust treatment in Prince Grey Colour	Each	3			
BF-2	Supply of Vertical Filing Cabinet (4-drawer) of Godrej make 470mm width x 1320mm height x 620mm depth with anti-rebound and anti-tipping mechanism in Prince Grey Colour	Each	2			
LF-2A	Supply of high back chair , CRC steel frame, padding Nivar & Helical springs, centre tilt, gas lift, Wooden Arms, Upholstery in fabric/leatherite top quality of approved shade and design, cushion made of 60mm thick PU foam as per specifications as under and direction of Engineer-in-charge Overall Size: W-700mm, D-700mm, H-1060 to 1100mm Adjustability of seat height 450mm to 540mm Seat size:520x530mm (approx.) Back size:480x520 (ht.) (approx.) Material of seat and back should be made up of 12mm thick hot	Each	1			

Item No.	Description of Item	Unit	Quantity	Rate (Rs.)		Amount (Rs.)
	pressed ply wood, moulded polyurethane foam with density 60, together with moulded ABS seat and back covers. The back foam is designed with contoured lumbar support for extra comfort. The seat and back are to be covered with vacuum foam from 3mm thick black ABS sheet. The chair should have forward tilt, required board tilt with tilt locking and anti shock back mechanism with wooden arms. The twin wheel castors should be injected moulded in black Nylon and having 5 prongs are powder coated/chrome plated base.					
LF-2B	Supply of medium back chair , CRC steel frame, padding Nivar & Helical springs, centre tilt, gas lift, Wooden Arms, Upholstery in fabric/leatherite top quality of approved shade and design, cushion made of 60mm thick PU foam as per specifications as under and direction of Engineer-in-charge Overall Size: W-700mm, D-700mm, H-925mm to 975mm Adjustability of seat height 450mm Seat size:520x530mm (approx.)Back size:480x580mm (ht.) (approx.) Material of seat and back should be made up of 12mm thick hot pressed ply wood, moulded polyurethane foam with density 60, together with moulded ABS seat and back covers. The back foam is designed with contoured lumbar support for extra comfort. The seat and back are to be covered with vacuum foam from 3mm thick black ABS sheet. The chair should have forward tilt, required board tilt with tilt locking and anti shock back mechanism with wooden arms. The twin wheel castors should be injected moulded in black Nylon and having 5 prongs are powder coated/chrome plated base.	Each	46			

Item No.	Description of Item	Unit	Quantity	Rate (Rs.)		Amount (Rs.)
LF-4, LF-6	Supply of 2(two) seater, single seater sofa with arms of size 2020mm (W)x750mm (D)x750mm(H) and seat height 400mm for 3 seater, 1420mm (W)x750mm(D)x750mm(H) for 2 seater and 1020mm(W)x 750mm(D)x 750mm(H) for single seater with arms height 590mm. The sofa structure is to be made of 45mmx28mm finished Teak wood section with flat vertical springs and 90mm thick 40 density PU foam with topping of 20mm super soft foam, back is to be made with 45mm thick 32 density PU foam with topping of 20mm super soft foam . Armed structure is to be made with 120x28mm teak section for top and vertical, 95x28mm for bottom. Arms are to be covered with 20mm thick 28 density PU foam all side. Armed and back loose cushion are made of 45mm thick 32 density PU foam with legs made out of 70x70mm teak section in round shape with 45mm height and good quality tapestry/leatherite, melamine polish etc. or as per size required at site with all fittings and fixtures. Complete as per direction of Engineer-in-charge	Per seat	6			
LF-8	Supply of RECEPTION Table of size 1500x750x750mm made of teak wood duly spirit polish with 75x75mm teak wood legs and 12mm thick bevelled edge glass top or 18mm thick pre laminated MDF board lipping the edge banding of pre glued tape of same shade by hot process or as per the design approved by Engineer in-charge	Each	1			
LF-9	Supply of Peg table of size 450mmx450mmx450mm made of teak wood with 12mm thick glass topping or 18mm thick MDF Board with side lipping of same shade duly sprit	Each	4			



Item No.	Description of Item	Unit	Quantity	Rate (Rs.)		Amount (Rs.)
	polished with 75x75mm teak wood legs etc. as per design approved by Engineer-in-charge.					
LF-3	Supply of Conference Table of required shape of over all size 3600x1200x750mm(ht) comprising with three units of size 1200x1200x750mm (ht) using 25mm thick post form pre laminated particle board top supported with metal powder coated legs/chrome plated in approved shade with necessary fittings and fixtures complete as per directions of Engineer-in-charge. All the four corners should be covered with half round top and all the tables are to be covered with front panels.	Per seat	12			
LF-5	Supply of Conference Table of round shape of dia 1200x750mm(ht) using 25mm thick post form pre laminated particle board top supported with metal powder coated legs/chrome plated in approved shade with necessary fittings and fixtures complete as per directions of Engineer-in-charge. All the four corners should be covered with half round top and all the tables are to be covered with front panels.	Per seat	6			
	Total Amount(Rs.)(In figures)					
	Total Amount(Rupees)(In words)					
Authorised Signatory with Company Seal						



