



DELHI TRANSIT

Delhi Integrated Multi Modal Transit System Ltd.

(A Joint Venture of Govt. of Delhi & IDFC Ltd.)

- Sub:** Implementation of BRT Corridor Project from
Ambedkar Nagar to Delhi Gate.
- Sub Head:** Repair/ replacement of electrical items on BQS from
Moolchand to Delhi Gate on BRT Corridor.

BID DOCUMENTS

VOLUME 3

BILL OF QUANTITIES

Delhi Integrated Multi-Modal Transit System Ltd.

(A Joint Venture of Government of Delhi & IDFC Ltd.)

**1st Floor, Maharana Pratap Inter State Bus Terminus,
Kashmere Gate, Delhi-110006**

SECTION-A

FORM OF BID

To,

DGM (Services),
Delhi Integrated Multi-Modal Transit System Ltd.
1st Floor, Maharana Pratap I.S.B.T. Building,
Kashmere Gate, Delhi-110006.

Sub: Bid for Implementation of BRT Corridor Project from Ambedkar Nagar to Delhi Gate.

Sub Head: Repair/ replacement of electrical items on BQS from Moolchand to Delhi Gate on BRT Corridor.

Sir,

1. Having visited the site and examined the General as well as Special conditions of contract, current CPWD specifications with updated correction slip, MoRTH Specifications, Special/Additional Specifications, Instructions to Bidders, Bid 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, Bid Drawings and Addenda for the sum of Rs. _____/- (Rupees _____) (Amount in figures and words) for

_____ (Name of Project)

2. We acknowledge that the Appendix to Bid forms an integral part of the Bid.
3. We undertake, if our Bid is accepted, to commence the works within 3 days of issue of the Letter of Acceptance and to complete the whole of the Works comprised in the Contract within 30 days + 3 days calculated from the date of issue of the Letter of Acceptance, as indicated in the Appendix to Bid.
4. If our Bid 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 requirements of tender documents/contract and as indicated in the Appendix to Bid.

- 5. We have independently considered the amount shown in Clause 3 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 Bid 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 Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
- 8. We declare that the submission of this Bid 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 37 of Instructions to Bidders. We acknowledge the right of the Employer, if he finds to the contrary, to declare our Bid 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 bid you may receive.
- 10. If our Bid is accepted we understand that we are to be held solely responsible for the due performance of the Contract.

Dated this.....day of..... 2011

Signature

Name..... in the capacity of

duly authorized to sign Bids for and on behalf of.....

Address

Company Seal

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

SECTION-B
APPENDIX TO BID

S. No.	Description	Conditions of Contract Clause/ Sub-clause	Particular Condition for this Contract
1	Determination of market rates	A II(viii)	Contractor's profit and overheads @ 15% shall be applied while determining market rates on the basis of cost of material & labour at site
2	Performance Guarantee	1.1	Performance guarantee to be submitted within 14 days from the date of issue of letter of acceptance
3	Performance Guarantee	1.1	Maximum allowed extension beyond the period specified in S.No. 2 above : 7 days
4	Compensation for Delay	3	Authority for deciding compensation for delay : MD & CEO, DIMTS Ltd
5	Milestones to be achieved during execution	3	No intermediate milestones. Work to be completed within the stipulated period as per contract
6	Incentive for early completion	4	The provisions of clause 4 of GCC shall not be applicable for this contract.
7	Time and Extension for delay	8	Time allowed for execution of works: 30 days Date of commencement of works: 3 days from the date of issue of Letter of Acceptance
8	Milestones to be achieved during execution	8.1	No intermediate milestones. Work to be completed within the stipulated period as per contract
9	Payment on Intermediate Certificate	11	Min. Gross amount of work done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible for interim payment : Rs. 5 lakhs
10	Secured Advance on Non-perishable Materials	18.1	No secured advance shall be paid. This clause is not applicable
11	Mobilisation advance	18.2	No Mobilisation advance shall be paid. This clause is not applicable
12	Plant, Machinery & Shuttering Material	18.3	No Plant, Machinery & Shuttering Material Advance shall be paid. This clause is not

S. No.	Description	Conditions of Contract Clause/ Sub-clause	Particular Condition for this Contract
	Advance		applicable
13	Deviation, Deviated Quantities, Pricing	24.4 & 24.5	<p>Bill of Quantities :</p> <p>i. The quantities of items shown in the Bill of Quantities are approximate, and liable to vary during the actual execution of the Work. Some items / group of items may have to be altered, added or omitted. The Contractor shall be bound to carry out and complete the stipulated work as instructed by DIMTS irrespective of the magnitude of variations including additions, alternations or omissions in the Bill of Quantities, individual items specified in the Bill of Quantities.</p> <p>ii. Variations in individual BOQ items shall be paid at BOQ rates except in the situation as provided for below:</p> <p>If the quantum of variation in any BOQ item is such that, in the opinion of DIMTS/Contractor , the rate in the contract for any BOQ item, by reason of such variation, is rendered inappropriate, then, after due Consultation by Engineer with the Employer and Contractor, a suitable revised rate shall be agreed upon between Contractor & DIMTS. In the event of disagreement, DIMTS shall fix such other revised rate as in his opinion, appropriate and shall notify the Contractor accordingly and the same shall be binding on Contractor.</p> <p>However, the provisions of this clause shall be subject to following:</p> <p>(a) No change in the rate for any item contained in BOQ shall be considered in case of any decrease in the actual quantity of work executed. Similarly, in case of deletion of a particular BOQ item or a group of BOQ items, no claim for loss of profit or revision of rates of any other BOQ item shall be considered.</p> <p>(b) In case of positive variation in any BOQ item, the change in the rate of BOQ item shall be effected only if the total actual quantity executed is more than 1.25 times the BOQ quantity and also the amount of variation beyond BOQ quantity is more than 2% of contract value (calculated as per BOQ rate)(both the conditions to be satisfied). In</p>

S. No.	Description	Conditions of Contract Clause/ Sub-clause	Particular Condition for this Contract
			case this condition is satisfied, the revised rate shall be applicable only to the quantities exceeding 1.25 times BOQ quantity.
14	Suspension of work - Compensation for loss suffered by Contractor on account of delay in supply of materials by Employer	27(iii)	No material shall be supplied by DIMTS
15	Action in case work not done as per specifications- Authority to accept work at reduced rates	28	MD & CEO, DIMTS Ltd.
16	Defects Liability Period	29	For 06 months (365 days) after completion of works
17	Contractor's Superintendence, Supervision, Technical Staff & Employees	47(i)	Minimum requirement of technical representatives, their qualification & experience are as given in Form T-7 of Instructions to Bidders
18		47(ii)	Penalty/Recovery from Contractor for non-fulfillment of provisions of clause 47 is Rs.10,000/- Per month

Signature & Company Seal

Date

Name

Place

Address

SECTION-C**BILL OF QUANTITIES - PREAMBLE**

1. The Bill of Quantities shall be read in conjunction with Instructions to Bidders, General and Special Conditions of Contract, Invitation for Bid, Technical Specifications and Drawings.
2. The bidder has to quote the rate (in words and figures) against each item in BOQ. 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. In case of increase in quantities beyond BOQ provisions, rate revision shall be affected as per the provisions in general conditions of contract and appendix to bid.
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 bidder fails to quote rate against any item (for which quantity has been provided) in bill of quantities, the same will not be paid for by DIMTS when executed and shall be deemed to have been included by the bidder in the rates and prices for other items in the bill of quantities.
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. Errors will be corrected by the employer for any arithmetic errors in computation or summation as per contract conditions.
6. Bidders shall fill the Unit Priced Bill of Quantities in Rupees only. All the unit rates should be filled both in figures and words and amounts should be filled in figures only.
7. 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 Bidder shall sign in full with company seal and date at the bottom of all pages and at the end of summary sheet. 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.
8. The works executed against the BOQ items would be paid on measurement basis.
9. 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.
10. 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.

BILL OF QUANTITIES - 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

BILL OF QUANTITIES

Sub: Implementation of BRT Corridor Project from Ambedkar Nagar to Delhi Gate.

SH: Repair/ replacement of electrical items on BQS from Moolchand to Delhi Gate on BRT Corridor

S.no	Description of Item	Unit	Qty	Rate	Amount (in Rs.)
1	Supplying , drawing & testing of 2 nos 2.5 mm ² FR, PVC insulated copper conductor single core cable in existing conduit with one no. 2.5mm ² single core cable for earthing complete as required.	Meter	3000		
2	Supply, installation and testing of following accessories in the existing EJB including connections etc as required				
a	40 Amp 2 Pole MCB 10 kA	each	4		
b	10 to 16 Amp SP MCB 10 KA	each	10		
c	25 Amp SP MCB 10 KA	each	23		
d	2 Pole AC contactor 32A	each	23		
e	2 Pole AC contactor 25A	each	46		
f	Timer FM/1 Quartz QT, GIC of L&T	each	30		
g	LED indicating light connected with 2Amp HRC fuse with fuse carrier.	each	15		
3	supply and fixing of PVC connectors in metal box wiring	each	190		

4	Providing and Fixing of 2 mm thick sheet cover with locking arrangement and one pad lock of 50mm dia with at least two keys, fixing the same on the existing EJB (Electrical Junction Box) including welding as required and painting the same with existing colour of the EJB.	each	13		
5	Supply and laying of 25sqmm PVC conduit in surface of recess i/c bends etc as required.	Meter	1500		
6	Supply and Fixing of metal box of following sizes on surface or in recess with suitable phenolic laminated sheet cover in front including cutting and making the same good.				
a	150mm X 150mm X 60mm deep	each	76		
b	100mm X 100mm X 60mm deep	each	25		
7	supply and fixing of phenolic laminated sheet (min. 3mm thick) cover in front of existing metal boxes etc as required.	each	152		
	Total				

- Note: 1. Joint Inspection:** The BOQ quantities are subject to actual site condition and may vary. A joint inspection should be carried out by successful bidder with the employer to assess the actual quantities required at site for making the street light functional including poles and fixtures.
2. The rates should be inclusive of all taxes.