



Delhi Integrated Multi Modal Transit System Ltd.

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

**Construction of Cement Concrete Road at Kanjhawala Depot of DTC,
New Delhi**

BID DOCUMENTS

VOLUME 3

BILL OF QUANTITIES

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

SECTION-A
FORM OF BID

To,

AGM (Projects),
Delhi Integrated Multi-Modal Transit System Ltd.
5th Floor, Maharana Pratap I.S.B.T. Building,
Kashmere Gate, Delhi-110006.

Sub: **Construction of Cement Concrete Approach Road at Khanjawala Depot of DTC, New Delhi**

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

Percent (%) **above/below/at par** (in figures _____) In words _____)
the rates mentioned in Schedule of Items.

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 2.5 months + 3 days calculated from the date of issue of the Letter of Acceptance, as indicated in the Appendix to Tender.
4. If our Bid is accepted, the bid security amount submitted will be adjusted towards the Performance Guarantee for the due performance of the Contract.
5. We have independently considered the amount shown in Clause 49.6 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.	Items	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 7 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 : 3 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: 2.5 months Date of commencement of works: 3 days from the date of issue of Notice to Commence the work Notice to Commence the work can be issued anytime within 60 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. 10 lakhs
10	Mobilization advance	18.2	No mobilization advance will be provided
11	Plant, Machinery & Shuttering Material Advance	18.3	Provisions of this clause shall not be applicable for the contract
12	Payment due to variation in prices of	20	Provisions of this clause shall not be applicable for the Contract

	steel, cement and bitumen after receipt of bid		
13	Payment due to Increase/Decrease in prices/wages after receipt of tender for works	21	Provisions of this clause shall not be applicable for the contract
14	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 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</p>

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			of any other BOQ item shall be considered. (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 case this condition is satisfied, the revised rate shall be applicable only to the quantities exceeding 1.25 times BOQ quantity.
15	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
16	Action in case work not done as per specifications- Authority to accept work at reduced rates	28	MD & CEO, DIMTS Ltd.
17	Defects Liability Period	29	For 12 months(365 days) after completion of works
18	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
		47(i)	Penalty/Recovery from Contractor for non-fulfilment 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 Schedule of Items shall be read in conjunction with Invitation for Bid, Instructions to Bidders, General and Special /Additional Conditions of Contract, Technical Specifications and Drawings.
2. The bidder has to quote the percentage rate above/ below/at par (in words and figures) against the rates given in the Schedule of Items. The percentage above / below / at par quoted on Schedule of Items shall be applicable for all items listed. Payment shall be made as per the actual quantum of work executed. Contractor will have no right for any claims whatsoever like loss of profit etc. The contractor has to execute the work as per work order to be issued from time to time depending on the site requirement.
3. The rates and prices 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 percentage (%), it will be considered that the bidder has offered his bid 'at par' i.e as per rates given in Schedule of Items. If no sign of '+' or '-' (plus or minus) is put, then '+' sign will be considered.
5. Errors will be corrected by the Employer as per contract conditions.
6. Bidders shall fill the Priced Schedule of Items in percentage above/below/ at par. Percentage to be filled both in figures and words indicating '+' or '-' for figures and 'above' or 'Below' for words.
7. The Schedule of Items shall be filled in indelible ink or type written. 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. 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 work order 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.

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

SCHEDULE OF QUANTITIES**Name of Work: Construction of Cement Concrete Approach Road at Khanjawala Depot of DTC, New Delhi**

S No.	Description of Item	Unit	Quantity	Rate	Amount
1	Preparation and consolidation of subgrade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to chamber and consolidating with road roller including making good the undulation etc. and re-rolling the subgrade and disposal of surplus earth lead upto 50 m	Sqm	4331.25	50.50	218728
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil	Cum	181.91	151.80	27614
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level. 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum	649.69	3649.00	2370719
4	Providing and laying C.C. Pavement of mix M30 with ready mixed concrete by using 400 kg of cement/cum of concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator, vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-Charge (The panel shuttering work shall be paid for separately).	Cum	693.00	6824.70	4729517
5	Centering and shuttering including strutting, propping etc and removal of form work for retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets etc.	Sqm	231.00	268.80	62092

S No.	Description of Item	Unit	Quantity	Rate	Amount
6	Providing and laying in position bitumen hot sealing compound for expansion joints etc. Using grade 'A' sealing compound. (1 cm wide & 4 cm deep)	RM	1638.00	6.55	10729
7	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 500 mm dia. R.C.C. pipe	Mtr	280.00	871.40	243992
8	Constructing brick masonry road gully chamber 50x45x60 cm with bricks of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) including 500x450 mm pre-cast R.C.C. horizontal grating with frame complete as per standard design : With F.P.S. bricks	Each	11.00	3350.05	36851
9	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement in position to the required line, level and curvature jointed with cement mortar 1:3 (1 cement: 3 coarse sand) including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm) including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	Cum	24.00	6336.50	152076
10	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction and of approved size and design/ shape laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with coarse sand etc. all complete as per the direction of Engineer-in-charge.	Sqm	687.50	516.05	354784

S No.	Description of Item	Unit	Quantity	Rate	Amount
11	Supplying installing testing & commissioning of 9mtr long dip galvanised steel octagonal pole with base plate 260X260X16 mm, top 70mm and bottom 155mm, 3mm thick, overhang 1m bracket with JET light fixture BGJR, 250sv with lamp, including laying of AI armoured cable of size 4x 25 Sq mm in along with GI Wire 8SWG from source to pole etc. (Bajaj Make) & complete in all respect with RCC foundation, or as per the direction of Engineer-in-Charge.	Nos	10.00	43650.00	436500
	GRAND TOTAL				8643602

Quoted Percentage (%) above/below/at par

(Please indicate '+' or '-' for figures and 'Plus' or 'Minus' in Words)

In Figures	In Words

Note:

- Nothing extra shall be paid for any related equipment required for execution of the works.