



DELHI TRANSIT

Delhi Integrated Multi Modal Transit System Ltd.

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

**Subject: Implementation of BRT Corridor from Ambedkar
Nagar to Delhi Gate.**

**Sub Head: Improvement of Road Sides & Intersection from Delhi
Gate to ITO W – point.**

BID DOCUMENTS

VOLUME 2

TECHNICAL SPECIFICATIONS

BILL OF QUANTITY

Delhi Integrated Multi-Modal Transit System Ltd.

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

Kashmere Gate, Delhi-110006

TECHNICAL SPECIFICATIONS

- 1.0 The work shall include supply of all materials and ingredients for construction, erection/installation at site, commissioning/performance of desired function, handing over of works to the designated persons.
- 2.0 The work shall include providing scaffolding wherever required as well as necessary measures to be taken for the safety of the workers and the passer byes.
- 3.0 Works shall be carried out at all heights and at all depths/levels.
- 4.0 The item of works curing and bonding arrangement by way of application suitable components on junctions of old and new materials.
- 5.0 Works shall be carried out without disrupting the supply of municipal/other services and shall include making temporary arrangements for continuance of water, drainage, sewer, electricity, telecom/communication, gas etc to the occupants during the construction period.
- 6.0 Concreting shall be done with all safety precautions as the work is to be done in important area, which has large volume of vehicular & human traffic movement.
- 7.0 Contractor shall maintain all environmental protection norms during entire construction & safety precautions.
- 8.0 As per provisions of contract, Cement of OPC 43 grade is permissible. However under special conditions i.e. In case of non availability of same cement 53 grade shall be allowed without any additional financial implication.

- 9.0 The contractor/agency has to ensure that all necessary safety measures other than specified in the items is provided without any additional cost for smooth execution of works.
- 10.0 All items of works shall be executed in accordance with the drawings and technical specifications enclosed in part – I of tender.
- 11.0 SW pipes, RCC pipes GI/CI pipes dismantled /retrieved during construction work shall be disposed off as per instructions of the site in-charge. The rates may be quoted after considering the same. No additional payments shall be made for dismantling and shifting of these pipes/materials.
- 12.0 Agency/contractor has to work in co – ordination with the telecom operators/service providers and provide necessary assistance in relocation of their services. No extra payments shall be made on this account by owner.

Bill of Quantities

Subject: Implementation of BRT Corridor from Ambedkar Nagar to Delhi Gate

Subhead: Improvement of Road Sides & Intersection from Delhi Gate to ITO W – point.

| S.no | Description of Item | Unit | Qty | Rate | Amount (in Rs.) |
|------|--|------|------|------|-----------------|
| 1 | Half brick masonry with F.P.S. brick of class designation 75 in foundations and plinth in. Cement mortar 1:3 (1 cement : 3 coarse sand) | Cum | 9 | | |
| 2 | 12 mm cement plaster of mix 1:4 : (1 cement : 4 fine sand) | Sqm | 10 | | |
| 3 | 15 mm cement plaster on the rough side of single or half brick wall of mix 1:4 : (1 cement : 4 fine sand) | Sqm | 10 | | |
| 4 | Painting of kerb with black/white, black/yellow with road marking quality paint as directed by the Engineer and as per drawing and technical specifications ,clause 803 and as per IRC :35 -1997 complete | Sqm | 1848 | | |
| 5 | Providing and applying 2.5mm thick road marking strips (retro-reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour ,T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications. (a) Lane/centre line/edge line/trnsverse marking, zebra crossings (Crossings ,start ,end) markings. | Sqm | 680 | | |
| | Total | | | | |