

TENDER

(Tender Ref. No.: JIL-YEW/NIT/2023/10 Dated 15.12.2023)

VOLUME - II : (BOQ)

For

SIGNAGE WORK

Replacement of old Signage Board with new Retro-Reflective Signage Board between chainage Km 0+000 to 165+000 (for Phase-II) on Yamuna Expressway, UP.

(Last Date for Submission of Bids: 28th of December 2023)

Issued By

Jaypee Infratech Limited
Sector 128, Noida – 201304
Uttar Pradesh, India



PREAMBLE TO BILL OF QUANTITIES

1. This Bill of Quantities ("BOQ") shall be read in conjunction with all Volumes of the tender documents such as NIT, GCC and all other documents as mentioned in the tender documents.
2. Rates shall include the cost of all materials, labour, tools, plants and machinery, equipment, Crane, all form works, transportation and wastages etc. and testing of materials with Contractor's testing appliances (as required), all other taxes, duties, levies, royalties, any other statutory obligations, Electricity, water, Contractor's overheads & profit etc. Only GST shall be paid extra, as applicable.
3. The items of work set out herein which are further detailed in the work order, shall be carried out as per the approved drawings, specifications and directions of the Engineer-in-charge of Jaypee Infratech Limited (hereinafter called as JIL).
4. The Contractor shall be deemed to have studied the drawings, specifications and details of work to be completed within the time schedule and to have acquainted itself with the conditions prevailing at Site. The quoted rates shall be applicable for all works in any shape/size/section and design etc.
5. The quantities shown against various items, as provided by JIL, are estimated and provisional and are given to provide a common basis for bidding. Any increase or decrease in the quantities shall not form the basis for alteration of the rates quoted and accepted. The basis of payment will be actual quantities of work ordered and carried out.
6. In cases where the specifications given in the Description of the item of work in BOQ are found wanting, MoRTH & IRC Specifications, the CPWD Specifications-2019 (with up-to-date correction slips), shall be followed; and where not specified, specifications of the latest edition of relevant IS codes shall be applicable. In case of any ambiguity in interpretation, JIL's decision shall be final and binding.
7. The rates and the prices shall hold good for all heights/ depths leads, lifts and levels, working in all conditions including in/under water, liquid mud, foul conditions etc. unless otherwise specifically stated against an item in the BOQ.
8. Rates include all costs for disposal of rubbish or malba etc. (generated / accumulated by the Contractor during the execution of this work) outside the site premises, removal of labour hutment, any temporary structure etc., demobilization from site/any premises provided by JIL. Nothing extra shall be payable on any such account.
9. General directions and descriptions of work are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the contract documentation shall be made before entering prices against each item in the priced Bill of Quantities.
10. All materials samples to be submitted and got approved from JIL before execution of work
11. The whole cost of complying with the provisions of the Contract shall be included in the items provided in the priced Bill of Quantities, and where no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of Work.
12. The method of measurement of completed work for payment shall be in accordance with the Technical Specifications & IS Codes.

BILL OF QUANTITIES (BOQ)**Replacement of old Signage Board with new Retro-Reflective Signage Board between chainage Km 0+000 to 165+000 (for Phase-II) on Yamuna Expressway, UP.**

Sl. No.	Item Description	Unit	Quantity	Rate (INR)	Amount (INR)
1	<p>Micro prismatic Retro-Reflective Sheeting type-XI with 4 mm thick ACP Single Face.</p> <p>Manufacturing, Supply & Erection/Fixing of BOX TYPE Retro Reflective Sign Boards, having Aluminium Composite Panels (ACP) cladding on all sides. The ACP shall be 4mm thick of Durabuild, Aludecor or Eurobond make, having 0.50 mm thick skin of Aluminium, with Polyvinylidene Fluoride (PVDF) coating on one side and the other one will be either mill finish or coated with Polyester (as per manufacturer's specifications). The front side of the board is to be fully covered with 3M/ Avery Dennison/ Orafol make fully cube polycarbonate micro prismatic retro reflective sheeting conforming to Type XI of ASTM D 4956-09 with coloured electro-cut overlay sheeting (3M/ Avery Dennison/ Orafol Make) as per the approved design by the JIL. Over laminate film as approved by the JIL with 100% reflectivity as per IRC:67 2022. Complete sign board will be fixed to the existing Square Hollow Section Support Frame of 50x50x4.5 mm using 3M/ Avery Dennison/ Orafol make VHB tapes of size 24 mm x 2.3mm. Prior to the fixing of the Sign Board, the back iron Square Hollow Section Support frame shall be duly cleaned, sand blasted, primed & finished with two coats of enamel paint (Make-Asian Paint/ Berger). Single or multiple colour subject matter, Logos, Letter, fonts and Legends as per requirement of site. All works should be carried out as per MORTH specification section 800 and IRC:67 2022. Safety plan- work zone shall be followed by contractor as per IRC:55. Contractor shall submit warrantee of minimum 10 years for Micro prismatic Retro-Reflective Sheeting type-XI. The rate shall include all materials, labour, T&P, transportation, installation incidentals and removal of existing board all complete as per direction of the Engineer-in-Charge. All Tools, Tackle Equipments and Crane shall be arranged by contractor at its own cost. Replacement Methodology of old signage board to be submitted by contractor & the same to be Approved by Project In-charge. For following locations:</p>				
1(a)	Gantry and Unipole Cantilever Signage Board	SQM	3060		
1(b)	Unipole Signage Board	SQM	1016		
2	Providing and fixing 50mm wide and 2mm thick Die Cast extruded of required size aluminium channel with complete perimeter of the signage with edge protection with providing and fixing 8mm aluminium pop rivets	Rmtr	1180		
Total AMOUNT (A)					
3	Less, Salvage value for old material (B)	SQM	4076		

TOTAL AMOUNT, excluding GST (A-B)**Total Amount excluding GST (in Words) -****Note:**

- Above quoted Rates are inclusive of all taxes, **Labour Cess**, other cess, octroi, royalty etc.
- Only GST shall be paid extra as applicable.**
- Unit :** "SQM" means 'Square Mtr' & "Rmtr" means 'Running metre'.
- Safety plan work zone shall be followed by Contractor as per IRC:55. Safety Plan should be approved from client prior to start work
- Third Party tests of Retro-reflectivity** will be done as per required standards & specifications from a NABL Accredited Laboratory suggested by JIL. The cost of test shall be borne by Contractor. The testing frequency shall be every test on execution of 1,000 Sqm of signage board installation and as per quality plan approved by EIC.
- The above mentioned price is also inclusive of **Third Party Retroreflectivity testing** in every year for 3 years from the date of completion of works at a maximum cost of Rs.2 lakh.