

# **TENDER**

(Tender Ref. No.: JIL-YEW/NIT/2024/102 Dated 22.03.2024)

## **VOLUME - II : ( BOQ)**

**For**

**Miscellaneous Civil & Plumbing works for Maintenance of Staff Camp premises at Jewar, Mathura & Agra Toll plazas on Yamuna Expressway.**

(Last Date for Submission of Bids: **04.04.2024**)

**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, ITT & GCC and all other documents as mentioned in the tender documents.
2. Rates shall include the cost of all labour, materials, tools, plants and machinery, equipment, hoists, all form of works, steel scaffoldings, 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 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. The basis of payment will be made against actual measured quantities of work ordered and carried out items of Work as per BOQ. JIL (JAYPEE INFRATECH LIMITED) reserve reserves the right to add/ delete/ alter/ modify/ withdraw any items or part of the item or to reduce or increase any quantity or area to any extent without any limitations. The Contractor shall have no objection to the same. The Contractor shall execute the work/ items/ area/ quantity as per actual and final requirement of the work as per instructions of Engineer-in-charge (EIC) of JIL. The Contractor will be bound to execute these items as per contract rates. JIL will not entertain any claims or damages or part of the profit (which the Contractor might not make due to change in the quantities). No extra claim is entitled on this account. However Variation order will be issued as per the relevant clauses of Contract.
6. In cases where the specifications given in the Description of the item of work in BOQ are found wanting, the CPWD Specifications-2019 (with up-to-date correction slips), MoRTH & IRC Specifications, 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 Quantity (BOQ)

### Miscellaneous Civil & Plumbing works for Maintenance of Staff Camp premises at Jewar, Mathura & Agra Toll plazas on Yamuna Expressway.

Item. No.	Item Description	Quantity				UNIT	Rate (Rs.)	Amount (Rs)
		Jewar (KM 39 )	Mathura (KM 95 )	Agra (KM 150 )	TOTAL			
		A	B	C	D=(A+B+C)		E	F = (D x E)
1	Earth work excavation in foundations ,Trenches ,Pits, Columns, Footing etc (in all types of soils, Strata up to 1.50m depth from existing ground level) including disposal of excess earth as directed within site up-to a lead of 80 mtrs.	20			20	Cum		
2	Providing and laying machine mixed plain cement concrete in volumetric proportions of 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) in foundation etc. at all levels including side shuttering etc. complete in all respect and as per direction given by Engineer in-charge.	5			5	Cum		
3	Providing , fabrication and erection of M.S. Structure with M.S.Pipe ,angle and gusset plate including primer etc.as per drawing with proper alignment and level. Complete in all respect and as per direction given by Engineer in-charge. <b>Make : JINDAL/TATA/SAIL//APOLLO</b>	2500			2 500	Kg		
4	Providing and applying three coat of Enamel paint of approved make, complete in all respect and as per instruction of site incharge for all heights. <b>Make : Asian / Burger/Nerolac.</b>	550			550	Sqm		
5	Providing and making of Brick manhole (Size 600x600x900 mm inside) using approved first class bricks in 1:6 (1 cement: 6 coarse sand) cement Mortar including plastering, finishing with neat cement & curing etc. Providing FRP Manhole Cover with frame Extra light duty 2.5 ton approved make ,complete in all respect and as per instructions given by the Engineer in-charge. <b>Make STC/MTR/JK HIGH TECH.</b>	4			4	Nos		
6	Providing and making of Brick manhole (Size 300x300x300 mm inside) using approved first class bricks in 1:6 (1 cement: 6 coarse sand) cement Mortar including plastering, finishing with neat cement & curing etc. Providing FRP Manhole Cover with frame approved make ,complete in all respect and as per instructions given by the site in-charge. <b>Make STC/MTR/JK HIGH TECH.</b>	4			4	Nos		
7	Providing and fixing PVC Pipe 100 mm 6kg/Cm2 ,having thermal stability for hot and cold water supply including all PVC pipe plain and brass threaded fitting i/c fixing the pipe with clamps at 1 mtr spacing. This includes joints of pipe and fitting with one step PVC solvent cement and testing of joints complete in all respect. <b>Make : Apollo/Supreme/Jindal/Prakash</b>	40			40	Rmtr		

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		Jewar (KM 39 )	Mathura (KM 95 )	Agra (KM 150 )	TOTAL			
		A	B	C	D=(A+B+C)		E	F = (D x E)
8	Providing and fixing CPVC pipe 20 mm (NB), having thermal stability for hot and cold water supply including all CPVC pipe plain and brass threaded fitting I/C fixing the pipe with clamp at 1 Mtr spacing . This includes joints of pipe and fitting with one step CPVC solvent cement and testing of joints complete in all respect. <b>Make : Astral/Kamdhenу/Unique</b>	60			<b>60</b>	Rmtr		
9	Providing & Laying of approved make wall Tiles((Thickness of tile - 5 mm) and size (200x300)mm in 12-15 mm thick cement mortar 1:3 (1 cement: 3 coarse sand) complete in all respect and as per instruction of Site in-charge. <b>Make : Kajaria/Somany</b>	50	1220	665	<b>1 935</b>	Sqm		
10	Providing and laying of approved make Floor Tiles (Thickness of tile - 8 mm) and size (600x600) mm in 20 mm thick cement mortar 1:4 (1 cement: 4 coarse sand), complete in all respect and as per instruction given by the Engineer in-charge. <b>Make : Kajaria/Somany</b>	400	380	300	<b>1 080</b>	Sqm		
11	Providing and laying 12 to 15mm thick plaster in cement mortar 1:6 (1 cement: 6 sand - 50% fine sand and 50% coarse sand) including necessary scaffolding, curing etc. at any level.	50			<b>50</b>	Sqm		
12	Providing & applying two coats of Birla putty over plastered surface including preparation of the surface even and smooth complete in all respects at any level.	100			<b>100</b>	Sqm		
13	Providing and applying three coats of Plastic emulsion paint including primer complete in all respect and as per instruction of Engineer in-charge. <b>Make : Asian / Burger/Nerolac.</b>	700			<b>700</b>	Sqm		
14	Providing and laying 115mm thick half brick in partition walls above plinth level and up to 3rd floor level using cement mortar 1:4 (1 Cement :4 Coarse sand) and including providing and placing 2 nos. 6mm dia bars or 25x3mm ms flat at every third course, scaffolding, racking of joints, curing etc complete.	30			<b>30</b>	Sqm		
15	Providing and laying 50mm thick IPS Flooring using 1:2:4 PCC (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) finished with neat cement slurry in panels with pvc dividing strip as directed by the Engineer in-charge.	650		2200	<b>2 850</b>	Sqm		
16	Providing and applying two or three coats of Apex paint including primer of approved make and shade complete in all respects at any level. <b>Make : Asian/Berger</b>	500			<b>500</b>	Sqm		

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		Jewar (KM 39 )	Mathura (KM 95 )	Agra (KM 150 )	TOTAL			
		A	B	C	D=(A+B+C)		E	F = (D x E)
17	Supply, fixing testing commissioning vitreous china wash basin (550x400)mm dia hindware with stainless steel waste assembly, SS bottle trap with extension piece wall flange amd rubber for waste collection complete including CI/SS brackets duly painted cutting making good for wall /floor as per requirement and specification <b>Make: Hindware and cat no. 10012</b>	6			6	Nos		
18	Supply, fixing, testing & commissioning of vitreous china Urinal hindware with stainless steel waste assembly,SS bottle trap with extension piece wall flange and rubber for waste collection complete including CI/SS brackets duly painted cutting making good for wall/floor as per requirement and specification. <b>Make: Hindware and cat. 60002</b>	6			6	Nos		
19	Providing, fixing, testing & commissioning of vitreous china Indian type water closet with 100mm sand cost iron "P" or S trap set in cement concrete 1:2:4 (1cement: coarse sand :4 graded stone aggregate 20mm nominal size) with 10 litre capacity high or low level PVC cistern with top button or front handle operation along with 32mm Dia pvc flush pipe with lamp and rubber adopter joint with CP brass screws and washer complete, including cutting and making good the walls, wherever required. <b>Make : Hindware / Cera</b>	5			5	Nos		
20	Providing and fixing of CP Bib cock complete in all respect and as per direction of EIC. <b>Make : Jaquar continental CON-CHR-037KN</b>	5			5	Nos		
21	Providing and fixing Wash basin mixer. <b>Make- Jaquar &amp; cat. No. COP-CHR-167BPM-Chrome</b>	2			2	Nos		
22	Supply, fixing testing commissioning of CP basin pillar cock, complete in all respect etc. and as per direction of EIC. <b>Make- Jaquar &amp; cat no.CON-021KN</b>	6			6	Nos		
23	Providing and fixing of 15mm CP Brass angle valve and rubber washer with cp brass wall flange complete including cutting and making good the walls, wherever required. <b>Make- Jaquar.</b>	10			10	Nos		
24	Providing and fixing C.P.Jali (5") as per approved sample etc. Complete. <b>Make: Jaquar</b>	10			10	Nos		
25	Providing and fixing of PVC connection pipe 600 mm length for wash basin / cistern with all fittings as approved by the Engineer in-charge. <b>Make: Jaquar</b>	12			12	Nos		

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		A	B	C	D=(A+B+C)			
26	Providing and fixing of GI Gate valve size - 1/2" Dia with required all fittings . <b>Make : Sant / Zoloto</b>	2			<b>2</b>	Nos		
27	Providing and fixing of 6mm thick Hi-Lux calcium silicate board false ceiling with GI frame work of Channels and ' T ' grid with CSB jointing compound to give seamless finish or tile of same material of size 595x595 mm laid into GI grid 600x600 mm with 24mm wide pre-coated <b>leash and light cutting complete as per drawing.</b> <b>Make- Gyprock/Boral/IGL</b>	79		204	<b>283</b>	Sqm		
28	Providing and fixing 20mm kota stone with polish cladding /dado/bands/in specified sized as per drawing laid with 20 mm avg. thickness of cement mortar 1:3 (1 cement :3 coarse sand) wed cladding. The items included providing and fixing stainless steel. Cramp of adequate size & design fixed in cladding as per design cutting pockets in brick work & fixing with non shrink grouting materials, pins dash fasteners and fixing grit on back of stone with araldite etc. including filling the joints with white cement with matching pigment, chamfering, making grooves, pointing, etc wherever required scaffolding, curing etc. complete as per drawing or as directed by Engineer in-charge ( for internal work).	175			<b>175</b>	Sqm		
29	Providing and fixing ISI marked flush door shutters conforming to IS: 2202(Part I) 35mm thick Flush door, shutter including hinges, tower bold, aldrop, handle, door locks etc. complete as per requirement of site and directed by Engineer in-charge	130	45	98	<b>273</b>	Sqm		
30	Providing and fixing of Urinal partition with 12mm compact grade laminate board size 900mm x 400mm x300mm with S.S. Bracket complete in all respect and as directed by Engineer in-charge. <b>(Make- Cera/Hindware).</b>	5			<b>5</b>	Nos		
31	Providing and fixing Turbine air ventilator 24" Dia Stainless steel graded 304 complete as per requirement of site and directed by Engineer in-charge.	6	4		<b>10</b>	Nos		
32	Supply, fixing testing commissioing C.P. urinal flush valve with flange complete in all respect <b>(Make- Jaquar &amp; cat no. Prs-Chr-077).</b>	6			<b>6</b>	Nos		
33	Providing and fixing Long body bib cock (Make- <b>Jaquar</b> and cat no. <b>CON-CHR-107KN</b> ).	4			<b>4</b>	Nos		
34	Dismantling and removing of damaged / old Tiles /stone/plaster at various location including disposal of waste material at suitable place as per the instructions given by the Engineer in-charge.	600	1220		<b>1 820</b>	Sqm		

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		A	B	C	D=(A+B+C)		E	F = (D x E)
35	Dismantling and removing of damaged MS structure/door frame at various location including disposal of waste material at suitable place as per the instructions given by the Engineer in-charge.	2500			2 500	Kg		
36	Dismantling and removing of damaged IPS Flooring/PCC/RCC at various location including disposal of waste material at suitable place as per the instructions given by the Engineer in-charge.	40	20	100	160	Cum		
37	Providing and fixing of Duct(Chimneys) 600mmx1000mm GI sheet 18 gauge thick complete as per requirement of site and directed by Engineer in-charge.		10		10	Rmtr		
38	Providing & fixing 4mm thick clear glass including putty complete as per requirement of site and directed by Engineer in charge. <b>Make: Saint gobain/Modi guard</b>			84	84	Sqm		
39	Providing and Fixing of M S door Frame(single rebated, (Door frame - 125x50mm)16 SWG, filled with C C 1:2:4 (1 cement: 2 coarse sand : 4 graded stone aggregate 20mm nominal size) complete as per requirement of site and directed by Engineer In-charge.			30	30	Nos.		
40	Providing and applying of anti termite treatment on post constructed portion complete in all respect and as per instruction of Engineer in-charge.			465	465	Sqm		
41	Providing and fixing of Looking mirror (600x900mm), complete in all respect and as per instruction of Engineer in-charge. <b>Make- Saint gobain/Modi guard</b>			45	45	Nos.		

**Total (without GST), Rs.**

Amount in Words (without GST): Rupees.....

**Note:**

1. Only GST shall be paid extra as applicable.
2. All other taxes, Octroi, Royalty, Labour Cess, other Cess, Lavies etc. are included in the above quoted rates.
3. Fittings shall be with ISI mark (wherever approved makes are not mentioned).