



E-Tender No. MUM/N/EN/DTEPA-64Qtrs.

For

NAME OF WORK: - Construction of 64 Quarters for the dishoused persons in Dahanu Taluka due to DFCCIL acquisition as per the DTEPA orders.

**FINANCIAL BID
(PACKET-B)**

TENDER DOCUMENT

March, 2018

**Employer:
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED
CPM/NORTH/MUMBAI UNIT
(A GOVERNMENT OF INDIA ENTERPRISE)
Under
MINISTRY OF RAILWAYS**

MUM/N/EN/DTEPA-64Qtrs.

DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD
A Govt. of India (Ministry of railways) Enterprises
7th Floor, New Administrative Building, D.N. Road, Mumbai-400001
NOTICE FOR INVITING BIDS (Online i.e. E-Tender)

Tender No	MUM/N/EN/DTEPA-64Qtrs. dated-27.03.2018
Name of work	Construction of 64 Quarters for the dishoused persons in Dahanu Taluka due to DFCCIL acquisition as per the DTEPA orders.
(a) Type of Tender	Open Tender (Single Stage Two Packet).
(b) Type of Contract	Works Contract.
(c) Tender Value	₹ 3,89,00,883/-
(d) Completion Period	06 months
(e) Earnest Money	₹ 7,78,020/- (Paid through Demand Draft/ banker's Cheque, FDR payable in favour of "Dedicated freight Corridor corporation of India Limited, Mumbai")
(f) Cost of Tender document	₹ 10,000/- + 18% GST (Total ₹ 11,800/-) To be paid by D.D./Banker's Cheque in favour of DFCCIL payable at Mumbai
(g) Tender Processing Fee	₹ 7,500/- plus taxes and duties as applicable (non refundable) through e- payment while uploading of tender.
(h) Performance Bank Guarantee	Performance Guarantee (PG) have to be submitted within 30(thirty) days from the date of issue of Letter of Acceptance (LOA), amounting to 5% of the contract value in the form as give in clause 16.4 of GCC
(i) Retention Money / Security Deposit	5% of Contract Value
(j) Officer:	Chief Project Manager (North), Mumbai Dedicated Freight Corridor Corporation of India Limited/Mumbai, 7th Floor, New Administrative Building, D.N. Road, Mumbai-400001
(k) E-Tendering Web Site	E-tendering site- www.tenderwizard.com/DFCCIL Help: Please contact Tender wizard helpdesk at 011-49424365
(L)Pre-bidding Conference	On 16.04.2018 at 11.00 AM at office of Chief Project Manager(North) Mumbai, 7th Floor, New Administrative Building, DN Road, 400001
DATE & TIME SCHEDULE	
Date of Uploading of NIT & Other Documents (Online Publishing date)	27.03.2018 at 15.00 Hrs.
Documents download/Sell date (Online)	From 28.03.2018 at 11.00 Hrs.

Signature of tenderer (s)

Date:

For CPM/NORTH/MUMBAI/DFCCIL

MUM/N/EN/DTEPA-64Qtrs.

Bid submission Last date (Online)	02.05.2018 up to 15.00 Hrs.
Last date of submission of originals of statutory documents i.e. EMD & Tender Document Charge	09.05.2018 up to 17.30 Hrs.
Bid Opening date & Time (online)	10.05.2018 at 15.00 Hrs.

Chief Project Manager (North), Mumbai Dedicated Freight Corridor Corporation of India Limited/Mumbai, 7th Floor, New Administrative Building, D.N. Road, Mumbai-400001

SUMMARY OF PRICES

NAME OF WORK: - Construction of 64 Quarters for the dishoused persons in Dahanu Taluka due to DFCCIL acquisition as per the DTEPA orders.

Sl. No.	Description of works	Cost as per Schedules	Rates to be quoted in figures & words (Clearly mention above / below / at par on Schedules/Items updated DFCCIL Rate / cost given in column 3)
1	2	3	4
1.	Execution of all works as per Schedule 'A-1' (Items as per USSOR-2011 Western Railway).	406836.00	Rates above / below / at par as per schedules shall be filled separately in Microsoft Excel File.
2.	Execution of all works as per Schedule 'A-2' (Items as per USSOR-2011 Western Railway).	893904.71	
3.	Execution of all works as per Schedule 'A-3' (Items as per USSOR-2011 Western Railway).	2565696.00	
4.	Execution of all works as per Schedule 'A-4' (Items as per USSOR-2011 Western Railway).	941141.20	
5.	Execution of all works as per Schedule 'A-5' (Items as per USSOR-2011 Western Railway).	1007231.86	
6.	Execution of all works as per Schedule 'A-6' (Items as per USSOR-2011 Western Railway).	2517840.64	
7.	Execution of all works as per Schedule 'A-7' (Items as per USSOR-2011 Western Railway).	9156254.06	
8.	Execution of all works as per Schedule 'A-8' (Items as per USSOR-2011 Western Railway).	3509410.68	
9.	Execution of all works as per Schedule 'A-9' (Items as per USSOR-2011 Western Railway).	2294057.47	

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10.	Execution of all works as per Schedule 'A-10' (Items as per USSOR-2011 Western Railway).	2985063.52	Rates above / below / at par as per schedules shall be filled separately in Microsoft Excel File.
11.	Execution of all works as per Schedule 'A-11' (Items as per USSOR-2011 Western Railway).	866202.24	
12.	Execution of all works as per Schedule 'A-12' (Items as per USSOR-2011 Western Railway).	1137571.98	
13.	Execution of all works as per Schedule 'A-13' (Items as per USSOR-2011 Western Railway).	1427708.62	
14.	Execution of all works as per Schedule 'A-14' (Items as per USSOR-2011 Western Railway).	128134.83	
15.	Execution of all works as per Schedule 'A-15' (Items as per USSOR-2011 Western Railway).	6521781.12	
16.	Execution of all works as per Schedule 'A-16' (Items as per USSOR-2011 Western Railway).	1067020.16	
17.	Execution of all works as per N.S. Items. (Items as per USSOR-2011 Western Railway).	1216664.96	

Notes:

- (i) The above prices are inclusive of all taxes, duties, levies etc. **except GST.**
- (ii) The tenderer should quote single percentage above / par / below for each schedule.
- (iii) If the uniform percentage quoted by the Tenderer does not clearly indicate whether the rates are above/at par/below the estimated rates then through sign convention it will be considered to be on plus side and evaluated accordingly.
- (iv) Rate of item payable to contractor shall be as per above/below/at par on rates of schedule.

**SCHEDULE -1
SCHEDULE OF PRICES & TOTAL PRICES**

NAME OF WORK: - Construction of 64 Quarters for the dishoused persons in Dahanu Taluka due to DFCCIL acquisition as per the DTEPA orders.
<u>SCHEDULE- A</u>
Schedule of Approximate Quantities

Sl. No.	Item No.	Quantity	Item of work	Unit	Rate	Amount in Rs.
	Schedule 'A-1'					
1	11011	3008.64	Earth work in excavation as per approved drawings and dumping at embankment site or spoil heap, within railway land, including 50m lead and 1.5m lift, the lead to be measured from the centre of gravity of excavation to centre of gravity of spoil heap: the lift to be measured from natural ground level and paid for in layers of 1.5m each, including incidental work, as per specifications-in All kinds of soils	Cum	109.36	329024.87
2	11070	640	Extra for every additional lift of 1.5m or part thereof, after the initial 1.5m, for earth work in all soils	Cum	12.57	8044.80
3	12010	3008.64	Extra over item 011010 for excavation in foundations for buildings and bridges to cover dressing to neat dimension and plumbing sides etc. Note : Dressing under this item is payable for the total quantity of excavation in foundation and not partly	Cum	12.50	37608.00
4	12040	1208.96	Filling, watering and ramming earth in 15 cm layers in floors and foundations with surplus earth from foundations including 50m lead and 1.5m lift	Cum	26.60	32158.34

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For CPM/NORTH/MUMBAI/DFCCIL

			Total of Schedule 'A-1'			406836.00
	Schedule 'A-2'					
1	31023	442.176	Providing and laying cement concrete, up to plinth in retaining walls, walls (any thickness) including attached plasters, columns, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc, excluding the cost of cement and of shuttering, centering.1:2:4 (1 cement : 2 sand : 4 graded stone aggregate 20mm nominal size).	Cum	1645.73	727702.31
2	32053	1040	Providing and laying cement concrete 1:2:4 in damp-proof course (1 cement : 2 sand : 4 graded stone aggregate 12.5mm nominal size - excluding the cost of cement and including providing, fixing and removal of forms. 50mm thick (20 mm coarse aggregate instead of 12.5mm).	Sqm	159.81	166202.40
			Total of Schedule 'A-2'			893904.71
	Schedule 'A-3'					
1	33063	531.20	Supply and using cement at worksite- PPC	Tonne	4830.00	2565696.00
			Total of Schedule 'A-3'			2565696.00
	Schedule 'A-4'					
1	42013	2689.28	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies, FOB slabs, walkway slabs and access platform	Sqm	303.84	817110.84
2	42014	489.60	Centering and shuttering including strutting, propping etc. and removal of form for : Lintels, beams, plinth beams, bed blocks, girders, bressumers and cantilevers	Sqm	253.33	124030.36
			Total of Schedule 'A-4'			941141.20

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Schedule 'A-5'						
1	41012	434.56	Providing and laying in position M 20 Grade concrete for reinforced concrete structural elements but excluding cost of centering, shuttering, reinforcement and Admixtures in recommended proportion (as per IS:9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer in charge. All work in buildings above plinth level upto floor two level.	Cum	2317.82	1007231.86
			Total of Schedule 'A-5'			1007231.86
Schedule 'A-6'						
1	45014	43456	Supplying Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. High yield strength deformed bars.	Kg	57.94	2517840.64
			Total of Schedule 'A-6'			2517840.64
Schedule 'A-7'						
1	51015	1944.96	Brick work with non-modular (FPS) bricks of class designation 7.5 in foundation and plinth in Cement mortar 1:6 (1 cement : 6 fine sand)	Cum	2433.67	4733390.80
2	51031	1515.52	Brick work with machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 -1991 in superstructure from beyond plinth level upto 6m above plinth level in cement mortar 1:6 (1 cement : 6 coarse sand) With non-modular (FPS) bricks	Cum	2918.38	4422863.26
			Total of Schedule 'A-7'			9156254.06
Schedule 'A-8'						
1	71011	4800	Providing wood work in frames of doors, windows, clerestory windows and other frames and trusses, wrought, framed and fixed in position : Second class teak wood (Main gate & Corridor door)	Cudm	93.19	447312.00

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2	72151	810.24	Providing and fixing flush door shutters to IS: 2202 Part-I non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3ply veneering with vertical grains or cross bands and face veneers on both faces of shutters 35mm thick including ISI marked stainless steel butt hinges with necessary screws	Sqm	1357.40	1099819.78
2	72210	64	Providing and fixing magic eye piece 25mm size in all type of door shutters, Sutter with cupboard	Each	209.07	13380.48
4	77061	640	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete. 250x10mm	Each	378.60	242304.00
5	77064	128	Providing and fixing bright finished brass tower bolts (barrel type) with necessary screws etc. complete. 100x10mm	Each	159.33	20394.24
6	77071	320	Providing and fixing bright finished brass handles - with screws etc. complete - of size 125 mm	Each	256.31	82019.20
7	77072	128	Providing and fixing bright finished brass handles - with screws etc. complete - of size 100mm	Each	221.47	28348.16
8	77081	64	Providing and fixing bright finished brass door latch with necessary screws etc. complete 300x16x5mm	Each	259.20	16588.80
9	77082	384	Providing and fixing bright finished brass door latch with necessary screws etc. complete 250x16x5mm	Each	235.97	90612.48
10	78021	384	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete 300x16mm	Each	278.00	106752.00

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11	78022	256	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete 250x16mm	Each	225.73	57786.88
12	78310	640	Providing and fixing of fibre glass reinforced plastic (FRP) door frames of three legged of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate door frame moulded with fire retardant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2 mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fibre glass from all sides. M.S. stay shall be provided at the bottom to ready the frame (WC & Bath door)	R meter	909.34	581977.60
13	78320	201.60	Providing and fixing 30 mm thick glass fibre reinforced (FRP) paneled door shutter of required colour and approved brand and manufacture, made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for farming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels and conforming to (IS:14856-2000) complete work. (WC & Bath door)	Sqm	3581.92	722115.07
			Total of Schedule 'A-8'			3509410.69
	Schedule 'A-9'					

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1	82012	6400	Providing and fixing anodised aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS:733 and IS:1285, anodised transparent or dyed to required shade according to IS:1868 (Minimum anodic coating of grade AC 15), ... Contd. - For openable/sliding portions and fixing hinges / pivots, PVC/ neoprene gasket required and making provision for fixing of fittings. (Fittings shall be paid for separately)	Kg	289.50	1852800.00
2	82032	460.80	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item)With float/frosted glass panes of 5.5mm thickness (weight not less than 13.75 kg/sqm)	Sqm	957.59	441257.47
			Total of Schedule 'A-9'			2294057.47
	Schedule 'A-10'					
1	94063	733.44	Providing & fixing Precast Chequered tiles conforming to IS:13801:1993, manufactured under mechanical vibration & hydraulic pressing machine in double layer; top layer of 10 to 12 mm thickness of Dolomite Powder, graded chips, fibre and UV stabilised iron oxide Lanexess colour and bottom layer of 1:3 CC mixed with galvanized steel fibre of approved quality, jointed with neat cement slurry mixed with pigment to match shade of tiles including rubbing and cleaning etc. complete on 20mm	Sqm	336.13	246531.18

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			thick bed of cement mortar 1:4 of sizes : 400mm x 400mm x 35mm thick			
2	95012	1270.08	Providing and fixing 1st quality ceramic tiles conforming to Group B-III (Ceramic Wall Tiles) of IS:15622 of manufacturers approved by railway in all colours, shades, and design as approved by the Engineer-in-Charge in skirting, risers of steps and dado over 12mm thick bed of cement mortar 1:3 (1cement: 3coarse sand) including pointing in white cement mixed with pigment of matching shade complete. 200x300 mm	Sqm	551.32	700220.51
3	95024	2252.80	Providing and fixing ceramic tiles conforming to IS:15622 of manufacturers approved by railway in all colours, shades, design and abrasion resistance class as approved by the Engineer-in-Charge in floors and landings over 20mm thick bed of cement mortar 1:4 (1cement: 3coarse sand) including pointing in white cement mixed with pigment of matching shade complete. Of Group B-I-b of IS : 15622 (Ceramic Tiles) of size above 400x400mm	Sqm	515.36	1161003.01
4	99051	79.488	Providing and fixing 40mm thick Cuddapah stone polished, machine cut for kitchen platforms, vanity counters facias, dados and skirting and similar locations of required size, laid over 20mm thick base cement mortar 1:4 (1cement: 4coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touchups including rubbing, curing etc. complete at all levels. Area of slab upto 0.5 Sqm	Sqm	1585.91	126060.81

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5	99164	320.00	Providing and fixing 18mm thick mirror polished, machine cut for floors and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1cement: 4coarse sand) with joints treated with white cement. Granite Black. Area of slab over 0.5 Sqm but upto 1.0 Sqm (In Kitchen & Door frame)	Sqm	2347.65	751248.00
			Total of Schedule 'A-10'			2985063.52
	Schedule 'A-11'					
1	108162	1600.00	Providing and fixing on wall face unplasticised - Rigid PVC single socketed rain water pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. 110mm dia.	Meter	485.97	777552.00
2	108184	192.00	Providing and fixing on wall face unplasticised - PVC moulded bend and shoe for unplasticised- Rigid PVC rain water pipes conforming to IS: 13592 Type A including jointing with seal ring conforming to IS: 5382 leaving 10mm gap for thermal expansion. Shoe (Plain), 110mm dia shoe	Each	461.72	88650.24
			Total of Schedule 'A-11'			866202.24
	Schedule 'A-12'					
1	111011	11298.56	12 mm cement plaster of mix -1:4 (1cement: 4 fine sand)	Sqm	60.27	680964.21
2	111061	3893.76	20 mm cement plaster of mix-1:4 (1cement: 4coarse sand)	Sqm	87.21	339574.81
3	111151	2252.80	Cement plaster to ceiling of mix -6 mm thick 1:3 (1cement: 3 fine sand)	Sqm	51.95	117032.96
			Total of Schedule 'A-12'			1137571.98
	Schedule 'A-13'					

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1	115041	17445.12	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats of distemper) over and including priming coat with cement primer	Sqm	56.84	991580.62
2	115060	17445.12	Applying one coat of cement primer of approved brand and manufacture on wall surface	Sqm	25.00	436128.00
			Total of Schedule 'A-13'			1427708.62
Schedule 'A-14'						
1	121020	810.24	Painting wood work with Deluxe Multi Surfaces Paint of required shade. Two or more coat applied @ 0.90ltr/ 10sqm over an under coat of primer, applied @ 0.75ltr/ 10sqm of approved brand or manufacture	Sqm	52.11	42221.61
2	121030	640	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coats applied @ 0.90ltr/ 10sqm over an under coat of primer applied @ 0.80ltr/ 10sqm of approved brand or manufacture	Sqm	53.38	34163.20
3	124013	810.24	Varnishing with varnish of approved brand and manufacture. On new work two or more coats glue sizing with spar varnish or an under coat of flatting varnish	Sqm	63.87	51750.03
			Total of Schedule 'A-14'			128134.84
Schedule 'A-15'						

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1	131081	1920	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamps at 1.00m spacing. This includes jointing of pipes & Fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in-charge. Internal work – exposed on wall 15mm nominal outer dia.	Meter	226.38	434649.60
2	131102	1280.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer-in-Charge. External work 20 mm nominal outer dia.	Meter	363.67	465497.60
3	131103	1280.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer-in-Charge. External work 25 mm nominal outer dia.	Meter	481.38	616166.40

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4	131106	3200.00	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling and testing of joints complete as per direction of Engineer-in-Charge. External work 50 mm nominal outer dia.	Meter	1316.04	4211328.00
5	131181	128.00	Providing and fixing PP-R Gate Valve fusion welded, having thermal stability for hot & cold water supply and testing of joints complete as per direction of engineer in charge. 25 mm Gate Valve	Each	452.99	57982.72
6	131184	320.00	Providing and fixing PP-R Gate Valve fusion welded, having thermal stability for hot & cold water supply and testing of joints complete as per direction of engineer in charge. 50 mm Gate Valve.	Each	1656.3	530016.00
7	134011	448	Providing and fixing PTMT bib cock of approved quality and colour. 15mm nominal bore, 86mm long. Weighing not less than 88 gms.	Each	218.43	97856.64
8	134021	192	Providing and fixing PTMT stop cock of approved quality and colour. 15mm nominal bore, 86mm long. Weighing not less than 88 gms.	Each	230.05	44169.60
9	138042	64	Hoisting, fitting and fixing in position plastic moulded water storage tank including making connection of intake, delivery, outlet and overflow .pipes etc. with all lead and lift upto all stories. Cost of tanks/fittings to be paid separately. 500 ltr capacity tank	Each	1001.79	64114.56

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10	138043	0	Hoisting, fitting and fixing in position plastic moulded water storage tank including making connection of intake, delivery, outlet and overflow .pipes etc. with all lead and lift upto all stories. Cost of tanks/fittings to be paid separately. 1000 ltr capacity tank	Each	1686.50	0.00
			Total of Schedule 'A-15'			6521781.12
	Schedule 'A-16'					
1	151011	64	White Vitreous China Orissa pattern W.C. pan of size 580x440-mm with integral type foot rests	Each	2864.78	183345.92
2	151076	64	Providing and fixing wash basin with C.I./ M.S. brackets, 15mm C.P. brass pillar taps, 32mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required. white vitreous china angle back wash basin size 400x400mm with single 15mm C.P. brass pillar tap	Each	1329.60	85094.40
3	152032	64	Providing and fixing Stainless Steel AISI- 304 (18/8) kitchen sink without drain board as per IS: 13983 with C.I. brackets and stainless steel plug 40mm including painting of fittings and brackets, cutting and making good the walls wherever required. 610x460mm bowl depth 200mm	Each	5205.97	333182.08
4	154040	256	Providing and fixing 110 mm x 110 mm x 110mm dia PVC plain branch (single equal junction)of the required degree with access door inclusive of 3mm thick bitumastic felt washer and bolts and nuts, complete, including jointing and the cost of spun yarn and sand etc., complete	Each	124.58	31892.48

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5	154060	256	Providing and fixing 110 mm x 110 mm x 110mm dia PVC plain branch (double equal junction) of the required degree with access door inclusive of 3mm thick bitumastic felt washer and bolts and nuts, complete, including jointing and cost of spun yarn and sand etc., complete	Each	116.92	29931.52
6	154100	256	Providing and fixing 110 mm PVC Plain bend of the required degree with access door inclusive of 3mm thick bitumastic felt washer, bolts and nuts, complete, including jointing and cost of spun yarn and sand etc. complete	Each	90.78	23239.68
7	154140	1280	Providing and fixing 75 mm PVC soil, waste and vent pipes including jointing and cost of spun yarn and sand etc., complete	Meter	169.83	217382.40
8	154170	256	Providing and fixing 75mm x 75 mm x 75mm dia PVC branch (single equal junction) of the required degree with access door inclusive of 3mm thick bitumastic felt washer including jointing and cost of spun yarn and sand etc., complete	Each	85.49	21885.44
9	154220	256	Providing and fixing 8 cm PVC bend of the required degree with access door inclusive of 3mm thick bitumastic felt washer, bolts and nuts, complete, including jointing and cost of spun yarn and sand etc. complete	Each	62.44	15984.64
10	155250	256	P&F 127mm dia C.P. steel Jali cockroach trap (CCTR-127) for gully floor or Nahani trap	Each	488.60	125081.60
			Total of Schedule 'A-16'			1067020.16
	N.S. Items					

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1	NS-1		Providing, laying and fixing unplasticized polyvinyl chloride (UPVC) pipes for soil, and waste discharge system type 'B' (SWR system) of 'Prince' or similar make (as per IS 13592:1992), single socketed for underground drainage system, making joints air and water tight with 'T' Shaped etc. Rate are including rubber rings ,solvent cement all labour, material, lead, lift, transportation, taxes,& royalty etc .complete,			
			Note- Excavation of earth will be paid under relevant item in USSOR -2011			
		960	a) 160 mm dia	Rm	363.00	348480.00
		640	b) 250 mm dia	Rm	1032.00	660480.00
2	NS-2	575.36	Uncoursed hand-packed DRY RUBBLE FILLING (in work like rubble filling behind abutments etc.) without any special dressing of stones.	Cum	361.00	207704.96
			Total of Schedule N.S. Items			1216664.96

END OF TENDER DOCUMENTS
