

**NORTHERN REGION-PROJECT/RAILTEL NORTHERN REGION
TENDER DOCUMENT**

Tender No: RAILTEL-NR-PROJ-22-23-13

Closing Date/Time: 06/02/2023 15:00

Addl.GM/Project acting for and on behalf of The President of India invites E-Tenders against Tender No **RAILTEL-NR-PROJ-22-23-13** Closing Date/Time 06/02/2023 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

Contractors are allowed to make payments against this tender towards tender document cost and earnest money only through only payment modes available on IREPS portal like net banking, debit card, credit card etc. Manual payments through Demand draft, Banker cheque, Deposit receipts, FDR etc. are not allowed.

1. NIT HEADER

Name of Work	CONSTRUCTION OF SINGLE ROOM & DOUBLE ROOM MASONRY BUILDINGS (BRICK STRUCTURE) AT VARIOUS RAILWAY STATIONS FOR NORTHERN REGION OF RAILTEL - 127 NOS OF SINGLE ROOM & 13 NOS. OF DOUBLE ROOM		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	06/02/2023 15:00	Date Time Of Uploading Tender	13/01/2023 13:38
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	103337915.66	Tendering Section	PROJECT
Bidding Style	Single Rate for Tender	Bidding Unit	Above/Below/Par
Earnest Money (Rs.)	2000000.00	Validity of Offer (Days)	60
Tender Doc. Cost (Rs.)	2950.00	Period of Completion	18 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	23/01/2023	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A-BOQ for Construction of Single Room							86119993.34	
1	1	2633.85	cum	205.45	541124.48	AT Par	541124.48	
	Description:- Earth work in excavation over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed. All kinds of soil.							
2	2	1345.34	Litre	200.90	270278.81	AT Par	270278.81	
	Description:- Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos emulsifiable concentrate of 20%							
3	3	3500.48	Sqm	44.70	156471.46	AT Par	156471.46	
	Description:- Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) (ii)Chlorpyriphos Emulsifiable concentrate 20% with 1% concentration.							
4	4	1004.01	cum	2161.20	2169866.41	AT Par	2169866.41	
	Description:- Supplying and filling in plinth with fine sand under floors including watering, ramming, consolidating and dressing complete.							
5	5	3253.74	Sqm	681.65	2217911.87	AT Par	2217911.87	
	Description:- Making plinth protection 50 mm thick of cement concrete 1:3:6(1 Cement :3 Coarse sand : 6 grades stone aggregate 20mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finished the top smooth							
6	6	961.83	cum	6326.05	6084584.67	AT Par	6084584.67	
	Description:- Providing and laying lin position cement concrete of specified grade excluding the cost of centring and shuttering- All work upto plinth level 1:4:8(1 Cement : 4 Coarse sand : 8 graded stone aggregate 40 mm nominal size)							
7	7	665.40	Sqm	370.85	246763.59	AT Par	246763.59	
	Description:- Providing and laying damp-proof Course 40mm thick with cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 12.5mm nominal size).							
8	8	665.40	Sqm	113.85	75755.79	AT Par	75755.79	
	Description:- Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7Kg per Sqm on damp-proof course and in sunk floors after cleaning the surface with brushes and finally with the piece of cloth lightly soaked in kerosene oil.							

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9	9	595.59	cum	10719.30	6384307.89	AT Par	6384307.89	
	Description:- Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5coarse sand : 3 graded stone aggregate 20 mm nominal size).							
10	10	4517.72	Sqm	766.55	3463058.27	AT Par	3463058.27	
	Description:- Centering and shuttering including strutting, propping and removal of form for Suspended floors, roofs, landings, balconies and access platform							
11	11	343.41	Sqm	608.35	208913.47	AT Par	208913.47	
	Description:- Centering and shuttering including strutting, propping and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.							
12	12	322.48	Sqm	1100.40	354856.99	AT Par	354856.99	
	Description:- Centering and shuttering including strutting, propping and removal of form for Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards.							
13	13	2979.42	Sqm	181.90	541956.50	AT Par	541956.50	
	Description:- Centering and shuttering including strutting, propping and removal of form for Under 20 cm wide							
14	14	53603.61	Kg	89.65	4805563.64	AT Par	4805563.64	
	Description:- Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete. Cold twisted bars.							
15	15	1358.78	cum	6658.25	9047096.94	AT Par	9047096.94	
	Description:- Brick work with common burnt clay F.P.S(non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement :6 coarse sand).							
16	16	1989.29	cum	8288.35	16487931.77	AT Par	16487931.77	
	Description:- Brick work with common burnt clay F.P.S(non modular) bricks of class designation 7.5 in superstructure above plinth level up to V level in all shapes and sizes in Cement mortar 1:6 (1 cement :6 coarse sand).							
17	17	533.40	Sqm	2015.75	1075201.05	AT Par	1075201.05	
	Description:- Providing and fixing flush door shutters conforming to IS: 2202(part-i) non decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35mm thick including anodised aluminium butt hinges with necessary screws.							
18	18	254.00	Numbers	723.80	183845.20	AT Par	183845.20	
	Description:- Providing and fixing bright finished brass 100 mm mortice latch and lock 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality).							
19	19	254.00	Numbers	374.35	95084.90	AT Par	95084.90	
	Description:- Providing and fixing aluminium tower bolts anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with neccessary screws etc. complete. 250 x 10 mm							
20	20	508.00	Numbers	60.05	30505.40	AT Par	30505.40	
	Description:- Providing and fixing aluminium handles anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with neccessary screws etc. complete 125mm							
21	21	254.00	Numbers	62.25	15811.50	AT Par	15811.50	
	Description:- Providing and fixing aluminium hanging floor door stopper anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with neccessary screws etc. complete. Twin rubber stopper							
22	22	1320.80	Metre	444.50	587095.60	AT Par	587095.60	
	Description:- Providing and fixing pressed steel frames conforming to IS: 4351, manufactured from commercial mild steel sheel of 1.6 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50 x 25 mm, or base tiles of 1.6 mm pressed mild steel welded or rigidly fixed together by mechanical means,including M.S pressed butt hinges 2.5 mm thick with mortar guards, lock strike plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge. Profile B, Fixing with adjustable lugs with split end tail to each job							
23	23	7095.74	Kg	146.55	1039880.70	AT Par	1039880.70	
	Description:- Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with L-Type section made of 1.60mm thick M.S. Sheet, joints mitred and welded and grinded finish profiles required size with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primers.							

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24	24	1859.28	Sqm	950.00	1766316.00	AT Par	1766316.00	
	Description:- Providing and fixing 2 mm thick homogeneous Polyvinyl chloride sheet in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesives of approved quality and manufacturer like Dunlop S-758, Fevicol SR-998 or equivalent including rolling with light wooden roller weighing about 5 kg all complete as directed by Engineer-in-Charge, in approved colour and shade.							
25	25	1859.28	Sqm	545.00	1013307.60	AT Par	1013307.60	
	Description:- Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40mm thick with 20mm nominal size stone aggregate.							
26	26	190.50	Sqm	937.00	178498.50	AT Par	178498.50	
	Description:- Brick on edge flooring with bricks of class designation 75 including cement slurry etc. complete in cement mortar with F.P.S. bricks: 1:4 (1 cement : 4 coarse sand)							
27	27	1048.00	Sqm	1515.45	1588191.60	AT Par	1588191.60	
	Description:- Providing and fixing 10 mm thick acid/or alkali resistant tiles of approved make and colour using acid/alkali resisting mortar bedding, and joint filled with acid /or alkali resisting cement as per IS:4457, complete etc as per directive of Engineer -in -charge							
28	28	508.00	Metre	319.75	162433.00	AT Par	162433.00	
	Description:- Providing and fixing on wall face un plasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.(i) Single socketed pipes. 110 mm diameter							
29	29	19877.48	Sqm	294.85	5860874.98	AT Par	5860874.98	
	Description:- 12 mm cement plaster of mix 1:4 (1 cement : 4 coarse sand).							
30	30	9671.30	Sqm	162.55	1572069.81	AT Par	1572069.81	
	Description:- Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including priming coat with cement primer.							
31	31	9172.14	Sqm	97.60	895200.86	AT Par	895200.86	
	Description:- Finishing walls with water proofing cement paint of required shade New work(Two or more coats applied @ 3.28 ltr/10 sq.m							
32	32	1607.82	Sqm	131.45	211347.94	AT Par	211347.94	
	Description:- Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work							
33	33	18843.45	Sqm	64.45	1214460.35	AT Par	1214460.35	
	Description:- Applying one coat of cement primer of approved brand and manufacture on wall surface : Cement primer.							
34	34	508.00	Metre	493.10	250494.80	AT Par	250494.80	
	Description:- 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 : 150 mm dia. R.C.C. pipe							
35	35	889.00	Numbers	1488.00	1322832.00	AT Par	1322832.00	
	Description:- Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required Group B							
36	36	127.00	Numbers	1981.00	251587.00	AT Par	251587.00	
	Description:- "Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required"							
37	37	381.00	Metre	433.00	164973.00	AT Par	164973.00	
	Description:- "Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required."							
38	38	508.00	Metre	662.00	336296.00	AT Par	336296.00	
	Description:- "Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required"							
39	39	12700.00	Metre	327.00	4152900.00	AT Par	4152900.00	

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	Description:- "Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire"						
40	40	3810.00	Metre	369.00	1405890.00	AT Par	1405890.00
	Description:- "Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required, 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire"						
41	41	3810.00	Metre	428.00	1630680.00	AT Par	1630680.00
	Description:- "Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required, 2 X 4 sq. mm + 1 X 4 sq. mm earth wire"						
42	42	5080.00	Metre	38.00	193040.00	AT Par	193040.00
	Description:- Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required , 2 Pair						
43	43	3810.00	Metre	223.00	849630.00	AT Par	849630.00
	Description:- Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required : 20 mm						
44	44	6350.00	Metre	256.00	1625600.00	AT Par	1625600.00
	Description:- Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required : 25 mm						
45	45	2540.00	Metre	145.00	368300.00	AT Par	368300.00
	Description:- Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required : 25 mm						
46	46	381.00	Each	103.00	39243.00	AT Par	39243.00
	Description:- Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. : 5/6 A switch						
47	47	508.00	Each	156.00	79248.00	AT Par	79248.00
	Description:- Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. : 15/16 A switch						
48	48	381.00	Each	122.00	46482.00	AT Par	46482.00
	Description:- Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. : 3 pin 5/6 A socket outlet						
49	49	508.00	Each	197.00	100076.00	AT Par	100076.00
	Description:- Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. : 6 pin 15/16 A socket outlet						
50	50	127.00	Each	148.00	18796.00	AT Par	18796.00
	Description:- Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. : Telephone socket outlet						
51	51	127.00	Each	140.00	17780.00	AT Par	17780.00
	Description:- Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. : Bell push						
52	52	254.00	Each	369.00	93726.00	AT Par	93726.00
	Description:- Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required						
53	53	635.00	Each	40.00	25400.00	AT Par	25400.00
	Description:- "Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required"						
54	54	254.00	Each	298.00	75692.00	AT Par	75692.00
	Description:- Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required : 1 or 2 Module (75mmX75mm)						
55	55	381.00	Each	327.00	124587.00	AT Par	124587.00
	Description:- Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required : 3 Module (100mmX75mm)						
56	56	127.00	Each	99.00	12573.00	AT Par	12573.00

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	Description:- Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required
57	57 127.00 Each 2206.00 280162.00 AT Par 280162.00
	Description:- Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) : 6 way , Double door
58	58 381.00 Each 256.00 97536.00 AT Par 97536.00
	Description:- Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required : Single pole
59	59 127.00 Each 599.00 76073.00 AT Par 76073.00
	Description:- Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required : Single pole and neutral
60	60 127.00 Set 7472.00 948944.00 AT Par 948944.00
	Description:- Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required
61	61 635.00 Metre 1551.00 984885.00 AT Par 984885.00
	Description:- Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-BOQ for Construction of Double Rooms							17217922.32	
1	1	327.29	cum	205.45	67241.73	AT Par	67241.73	
	Description:- Earth work in excavation over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed. All kinds of soil.							
2	2	137.71	Litre	200.90	27665.94	AT Par	27665.94	
	Description:- Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos emulsifiable concentrate of 20%							
3	3	358.32	Metre	44.70	16016.90	AT Par	16016.90	
	Description:- Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :)Chlorpyriphos Emulsifiable concentrate 20% with 1% concentration.							
4	4	102.73	cum	2161.20	222020.08	AT Par	222020.08	
	Description:- Supplying and filling in plinth with fine sand under floors including watering, ramming, consolidating and dressing complete.							
5	5	354.38	Sqm	681.65	241563.13	AT Par	241563.13	
	Description:- Making plinth protection 50 mm thick of cement concrete 1:3:6(1 Cement :3 Coarse sand : 6 grades stone aggregate 20mm nominal size) over 75 mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finished the top smooth							
6	6	79.38	cum	6326.05	502161.85	AT Par	502161.85	
	Description:- Providing and laying lin position cement concrete of specified grade excluding the cost of centring and shuttering- All work upto plinth level, 1:4:8(1 Cement : 4 Coarse sand : 8 graded stone aggregate 40 mm nominal size)							
7	7	68.11	Sqm	370.85	25258.59	AT Par	25258.59	
	Description:- Providing and laying damp-proof Course 40mm thick with cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 12.5mm nominal size).							
8	8	68.11	Sqm	113.85	7754.32	AT Par	7754.32	
	Description:- Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7Kg per Sqm on damp-proof course and in sunk floors after cleaning the surface with brushes and finally with the piece of cloth lightly soaked in kerosene oil.							
9	9	145.72	cum	10719.30	1562016.40	AT Par	1562016.40	
	Description:- Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5coarse sand : 3 graded stone aggregate 20 mm nominal size).							

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10	10	893.48	Sqm	766.55	684897.09	AT Par	684897.09	
	Description:- Centering and shuttering including strutting, propping and removal of form for, Suspended floors, roofs, landings, balconies and access platform							
11	11	50.02	Sqm	608.35	30429.67	AT Par	30429.67	
	Description:- Centering and shuttering including strutting, propping and removal of form for, Lintels, beams, plinth beams, girders, bressumers and cantilevers.							
12	12	180.67	Sqm	657.75	118835.69	AT Par	118835.69	
	Description:- Centering and shuttering including strutting, propping and removal of form for, Stairs, (excluding landings) except spiral-staircases.							
13	13	66.02	Sqm	1100.40	72648.41	AT Par	72648.41	
	Description:- Centering and shuttering including strutting, propping and removal of form for, Vertical and horizontal fins individually or forming box louvers band, facias and eaves boards.							
14	14	759.33	Sqm	181.90	138122.13	AT Par	138122.13	
	Description:- Centering and shuttering including strutting, propping and removal of form for, Under 20 cm wide							
15	15	13114.78	Kg	89.65	1175740.03	AT Par	1175740.03	
	Description:- Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete.: Thermo-Mechanically Treated bars							
16	16	171.11	cum	6658.25	1139293.16	AT Par	1139293.16	
	Description:- Brick work with common burnt clay F.P.S(non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement :6 coarse sand).							
17	17	369.76	cum	8288.35	3064700.30	AT Par	3064700.30	
	Description:- Brick work with common burnt clay F.P.S(non modular) bricks of class designation 7.5 in superstructure above plinth level up to V level in all shapes and sizes in :Cement mortar 1:6 (1 cement :6 coarse sand).							
18	18	179.14	Sqm	1018.05	182373.48	AT Par	182373.48	
	Description:- Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. : Cement mortar 1:4 (1 cement :4 coarse sand)							
19	19	102.38	Sqm	2015.75	206372.48	AT Par	206372.48	
	Description:- Providing and fixing flush door shutters conforming to IS: 2202(part-i) non decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35mm thick including anodised aluminium butt hinges with neccessary screws.							
20	20	26.00	Numbers	723.80	18818.80	AT Par	18818.80	
	Description:- Providing and fixing bright finished brass 100 mm mortice latch and lock 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality).							
21	21	26.00	Each	374.35	9733.10	AT Par	9733.10	
	Description:- Providing and fixing aluminium tower bolts anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with neccessary screws etc. complete. 250 x 10 mm							
22	22	52.00	Each	60.05	3122.60	AT Par	3122.60	
	Description:- Providing and fixing aluminium handles anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. 125mm							
23	23	26.00	Each	62.25	1618.50	AT Par	1618.50	
	Description:- Providing and fixing aluminium hanging floor door stopper anodised (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. Twin rubber stopper							
24	24	267.15	Metre	444.50	118748.17	AT Par	118748.17	
	Description:- Providing and fixing pressed steel frames conforming to IS: 4351, manufactured from commercial mild steel sheel of 1.6 mm thickness including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50 x 25 mm, or base tiles of 1.6 mm pressed mild steel welded or rigidly fixed together by mechanical means,including M.S pressed butt hinges 2.5 mm thick with mortar guards, lock strike plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge. Profile B, Fixing with adjustable lugs with split end tail to each jab							
25	25	1150.03	Kg	146.55	168536.90	AT Par	168536.90	

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25	Description:- Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with L-Type section made of 1.60mm thick M.S. Sheet, joints mitred and welded and grinded finish profiles required size with 15x3mm lugs 10cm long embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primers.						
26	26	208.94	Sqm	950.00	198493.00	AT Par	198493.00
	Description:- Providing and fixing 2 mm thick homogeneous Polyvinyl chloride sheet in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesives of approved quality and manufacturer like Dunlop S-758, Fevicol SR-998 or equivalent including rolling with light wooden roller weighing about 5 kg all complete as directed by Engineer-in-Charge, in approved colour and shade.						
27	27	380.64	Sqm	545.00	207448.80	AT Par	207448.80
	Description:- Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. : 40mm thick with 20mm nominal size stone aggregate.						
28	28	19.50	Sqm	937.00	18271.50	AT Par	18271.50
	Description:- Brick on edge flooring with bricks of class designation 75 including cement slurry etc. complete in cement mortar with F.P.S. bricks: 1:4 (1 cement : 4 coarse sand)						
29	29	154.25	Sqm	1063.45	164037.16	AT Par	164037.16
	Description:- Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.						
30	30	107.28	Sqm	1515.45	162577.48	AT Par	162577.48
	Description:- Providing and fixing 10 mm thick acid/or alkali resistant tiles of approved make and colour using acid/alkali resisting motor bedding, and joint filled with acid /or alkali resisting cement as per IS:4457, complete etc as per directive of Engineer -in -charge						
31	31	32.32	Sqm	935.60	30238.59	AT Par	30238.59
	Description:- Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete.						
32	32	210.21	Sqm	1416.65	297794.00	AT Par	297794.00
	Description:- Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete : Size of Tile 600x600 mm						
33	33	91.00	Metre	319.75	29097.25	AT Par	29097.25
	Description:- Providing and fixing on wall face un plasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion.(i) Single socketed pipes.: 110 mm diameter						
34	34	3911.49	Sqm	294.85	1153302.83	AT Par	1153302.83
	Description:- 12 mm cement plaster of mix 1:4 (1 cement : 4 coarse sand).						
35	35	1630.43	Sqm	162.55	265026.40	AT Par	265026.40
	Description:- Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including priming coat with cement primer.						
36	36	3675.72	Sqm	64.45	236900.15	AT Par	236900.15
	Description:- Applying one coat of cement primer of approved brand and manufacture on wall surface : Cement primer.						
37	37	2045.29	Sqm	97.60	199620.30	AT Par	199620.30
	Description:- Finishing walls with water proofing cement paint of required shade : New work(Two or more coats applied @ 3.28 ltr/10 sq.m						
38	38	340.18	Sqm	131.45	44716.66	AT Par	44716.66
	Description:- Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work						
	39	13.00	Each	5540.55	72027.15	AT Par	72027.15

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39	Description:- Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid						
40	40	13.00	Each	3392.85	44107.05	AT Par	44107.05
	Description:- Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps.						
41	41	13.00	Each	1411.15	18344.95	AT Par	18344.95
	Description:- Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.						
42	42	13.00	Each	942.15	12247.95	AT Par	12247.95
	Description:- Providing and fixing 600x120x5mm glass shelf with edges round of supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.						
43	43	13.00	Each	680.80	8850.40	AT Par	8850.40
	Description:- Providing and fixing toilet paper holder : C.P. brass						
44	44	104.00	Metre	1018.05	105877.20	AT Par	105877.20
	Description:- Providing and fixing soil, waste and vent pipes : 100 mm dia. Sand cast iron S&S pipe as per IS: 1729.						
45	45	104.00	Metre	931.55	96881.20	AT Par	96881.20
	Description:- Providing and fixing soil, waste and vent pipes : 75 mm diameter : Sand cast iron S&S pipe as per IS: 1729.						
46	46	26.00	Each	412.95	10736.70	AT Par	10736.70
	Description:- Providing and fixing plain bend of required degree. 100 mm, Sand cast iron S&S as per IS - 1729						
47	47	26.00	Each	311.55	8100.30	AT Par	8100.30
	Description:- Providing and fixing plain bend of required degree. 75 mm, Sand cast iron S&S as per IS - 1729						
48	48	13.00	Each	671.20	8725.60	AT Par	8725.60
	Description:- Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. : 100 x 100 x 100 mm Sand cast iron S&S as per IS - 1729						
49	49	13.00	Each	573.80	7459.40	AT Par	7459.40
	Description:- Providing and fixing single equal plain junction of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete. : 75x75x75 mm Sand cast iron S&S as per IS - 1729						
50	50	104.00	Each	549.65	57163.60	AT Par	57163.60
	Description:- Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter: 100 mm						
51	50	104.00	Each	466.40	48505.60	AT Par	48505.60
	Description:- Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter: 75 mm						
52	52	13.00	Each	1296.40	16853.20	AT Par	16853.20
	Description:- Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : Sand Cast Iron S&S as per IS- 1729.						
53	53	234.00	Metre	441.50	103311.00	AT Par	103311.00
	Description:- Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. : 15 mm nominal outer dia .Pipes.						
54	54	117.00	Metre	513.75	60108.75	AT Par	60108.75
	Description:- Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work including cutting chases and making good the walls etc. 20 mm nominal outer dia .Pipes.						
55	55	13.00	Each	303.85	3950.05	AT Par	3950.05
	Description:- Providing and fixing brass bib cock of approved quality : 15 mm nominal bore						

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56	56	39.00	Each	303.85	11850.15	AT Par	11850.15	
	Description:- Providing and fixing brass stop cock of approved quality : 15 mm nominal bore							
57	57	13.00	Each	532.35	6920.55	AT Par	6920.55	
	Description:- Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore							
58	58	13.00	Each	397.45	5166.85	AT Par	5166.85	
	Description:- Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore							
59	59	13.00	Each	2474.40	32167.20	AT Par	32167.20	
	Description:- Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : With F.P.S. bricks class designation 75							
60	60	13.00	Each	11687.10	151932.30	AT Par	151932.30	
	Description:- Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design : Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) : 19.7.1.1 With common burnt clay F.P.S. (non modular) bricks of class designation 7.5 : With F.P.S. bricks with class designation 75							
61	61	26.00	Metre	493.10	12820.60	AT Par	12820.60	
	Description:- 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 : 150 mm dia. R.C.C. pipe							
62	62	325.00	Point	1488.00	483600.00	AT Par	483600.00	
	Description:- Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required : Group B							
63	63	26.00	Point	1981.00	51506.00	AT Par	51506.00	
	Description:- "Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc. as required"							
64	64	156.00	Metre	433.00	67548.00	AT Par	67548.00	
	Description:- "Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required."							
65	65	117.00	Metre	662.00	77454.00	AT Par	77454.00	
	Description:- "Wiring for light/ power plug with 4X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit alongwith 2 Nos. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required."							
66	66	3250.00	Metre	327.00	1062750.00	AT Par	1062750.00	
	Description:- Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required : 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire							
67	67	390.00	Metre	369.00	143910.00	AT Par	143910.00	
	Description:- Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required : 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire							
68	68	1820.00	Metre	428.00	778960.00	AT Par	778960.00	
	Description:- Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required : 2 X 4 sq. mm + 1 X 4 sq. mm earth wire							
69	69	780.00	Metre	38.00	29640.00	AT Par	29640.00	
	Description:- Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required : 2 Pair							

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70	70	390.00	Metre	223.00	86970.00	AT Par	86970.00	
	Description:- Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required :20 mm							
71	71	390.00	Metre	256.00	99840.00	AT Par	99840.00	
	Description:- Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required :25 mm							
72	72	520.00	Metre	128.00	66560.00	AT Par	66560.00	
	Description:- Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required :20 mm							
73	73	650.00	Metre	145.00	94250.00	AT Par	94250.00	
	Description:- Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required :25 mm							
74	74	117.00	Each	103.00	12051.00	AT Par	12051.00	
	Description:- "Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. :5/6 A switch"							
75	75	156.00	Each	156.00	24336.00	AT Par	24336.00	
	Description:- "Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. : 15/16 A switch"							
76	76	117.00	Each	122.00	14274.00	AT Par	14274.00	
	Description:- "Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. :3 pin 5/6 A socket outlet"							
77	77	156.00	Each	197.00	30732.00	AT Par	30732.00	
	Description:- "Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. : 6 pin 15/16 A socket outlet"							
78	78	13.00	Each	148.00	1924.00	AT Par	1924.00	
	Description:- "Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. : Telephone socket outlet"							
79	79	13.00	Each	148.00	1924.00	AT Par	1924.00	
	Description:- "Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. : TV antenna socket outlet"							
80	80	39.00	Each	140.00	5460.00	AT Par	5460.00	
	Description:- "Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. : Bell push"							
81	81	78.00	Each	369.00	28782.00	AT Par	28782.00	
	Description:- "Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required. "							
82	82	156.00	Each	40.00	6240.00	AT Par	6240.00	
	Description:- "Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required. "							
83	83	273.00	Each	327.00	89271.00	AT Par	89271.00	
	Description:- Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc. as required 3 Module (100mmX75mm)							
84	84	39.00	Each	99.00	3861.00	AT Par	3861.00	
	Description:- Supplying and fixing call bell/ buzzer suitable for single phase, 230 V, complete as required							
85	85	13.00	Each	4091.00	53183.00	AT Par	53183.00	
	Description:- Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) : 4 way (4 + 12), Double door							
86	86	143.00	Each	256.00	36608.00	AT Par	36608.00	
	Description:- Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required : Single pole							

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87	87	13.00	Each	1034.00	13442.00	AT Par	13442.00	
	Description:- "Supplying and fixing following rating, four pole, 415 V, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. : 63 Amp."							
88	88	13.00	Set	6855.00	89115.00	AT Par	89115.00	
	Description:- "Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required. "							
89	89	130.00	Metre	287.00	37310.00	AT Par	37310.00	
	Description:- "Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required. "							
90	90	130.00	Metre	70.00	9100.00	AT Par	9100.00	
	Description:- Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required							

3. ITEM BREAKUP

No item break up added

4. ELIGIBILITY CONDITIONS

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have received total contractual payments (operating turnover) in the previous three financial years and the current financial year up to the date of inviting of tender, at least 150% of the advertised value of the tender. (The tenderers shall submit Certificates to this effect which may be an attested Certificate from the concerned department / client or Audited Balance Sheet duly certified by the Chartered Accountant/Certificate from Chartered Accountant duly supported by Audited Balance Sheet.)	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have successfully completed any of the following during last 07 (seven) years, ending last day of month previous to the one in which tender is invited: i. Three similar works each costing not less than the amount equal to 30% of advertised value of the tender, or ii. Two similar works each costing not less than the amount equal to 40% of advertised value of the tender, or iii. One similar work each costing not less than the amount equal to 60% of advertised value of the tender.	No	No	Allowed (Mandatory)

5. COMPLIANCE

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	Tenderdocumentforuploading.pdf	Tenderdocument

This tender complies with Public Procurement Policy (Make in India) Order 2017, dated 15/06/2017, issued by Department of Industrial Promotion and Policy, Ministry of Commerce, circulated vide Railway Board letter no. 2015/RS(G)/779/5 dated 03/08/2017 and 27/12/2017 and amendments/ revisions thereof.

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As a Tender Inviting Authority, the undersigned has ensured that the issue of this tender does not violate provisions of GFR regarding procurement through GeM.

Signed By: MAYUR AHUJA

Designation : Sr.Manager