

**ER-CAO-C-HQ-ENGG/EASTERN RLY
TENDER DOCUMENT**

Tender No: BGP01OF2026-27

Closing Date/Time: 13/07/2026 15:00

Dy. CE/Con/JMP acting for and on behalf of The President of India invites E-Tenders against Tender No **BGP01OF2026-27** Closing Date/Time 13/07/2026 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.

1. NIT HEADER

Name of Work	Construction of New Loco Trip Inspection Facility in Existing Washing Line at Bhagalpur and Capacity augmentation for air brake testing & Painting by extension of WRS-V towards South end in Workshop Jamalpur in the Jurisdiction of Dy. CE/Con/BGP.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Two Packet System
Tender Closing Date Time	13/07/2026 15:00	Date Time Of Uploading Tender	17/06/2026 15:14
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	191112753.09	Tendering Section	JMP/CON
Bidding Style	Single Rate for Each Schedule Item	Bidding Unit	
Earnest Money (Rs.)	3822300.00	Validity of Offer (Days)	90
Tender Doc. Cost (Rs.)	0.00	Period of Completion	12 Months
Contract Type	Works - General	Contract Category	Expenditure
Bidding Start Date	29/06/2026		
Are JV allowed to bid	Yes	Number of JV Member Allowed	3
Are Consortium allowed to bid	No	Number of Consortium Member Allowed	0
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 () 01-Schedule-NS(1)							71575819.00	
01	Please see Item Breakup for details.				71575819.00	AT Par	71575819.00	Above/ Below/P ar
	Description:- Supplying, fitting, erecting & fixing in proper alignment as directed, UPVC pipes							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 02-Schedule-DSR(1)							12204823.68	
02	Please see Item Breakup for details.				14529552.00	(-) 16.00	12204823.68	Above/ Below/P ar
	Description:- Steel reinforcement for R.C.C. work							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 03-Schedule-DSR(2)							80826009.27	
03	Please see Item Breakup for details.				96221439.61	(-) 16.00	80826009.27	Above/ Below/P ar
	Description:- Mechanical Transport including loading, unloading and stacking							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 04-Schedule-DSR(3)							61377.54	

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04	Please see Item Breakup for details.				73068.50	(-) 16.00	61377.54	Above/ Below/P ar
	Description:- Preparation of beds for hedging and shrubbery by excavating							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 05-Schedule-USSOR(5) P.Way							4123520.60	
05	Please see Item Breakup for details.				4123520.60	AT Par	4123520.60	Above/ Below/P ar
	Description:- Lubrication of gauge face of rail on curves, cross overs, points & crossings							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule () 06-Schedule-USSOR(6)							22321203.00	
06	Please see Item Breakup for details.				22321203.00	AT Par	22321203.00	Above/ Below/P ar
	Description:- Supplying and fixing HSFG bolts of any Dia and any length							

3. ITEM BREAKUP

Schedule	Schedule 01-Schedule-NS(1)					
Item- 01	Supplying, fitting, erecting & fixing in proper alignment as directed, UPVC pipes					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	01	Supplying, fitting, erecting & fixing in proper alignment as directed, UPVC pipes A-type and fittings conforming to IS: 13592-1992 of Brand supreme or similar make etc. with necessary connections or fastenings. The rate also includes making scaffolding, making holes to the existing walls or structures etc. and making good the damages including joining with jointing materials (Spun, Valamoid, Bitumen or M-Seal etc.) complete in all respect. (i) UPVC Pipe: 160mm dia	Metre	200.00	660.00	132000.00
2	02	UPVC Bend 87.5 degree or as required: 160mm dia	Each	40.00	402.00	16080.00
3	03	UPVC Shoe: 160mm dia	Each	40.00	374.00	14960.00

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4	04	Supply and installation or Erection of wind Driven Turbo Ventilators-make TVI or similar on the existing Roof made up of asbestos sheets/Corrugated G.I Sheets or Toughened Aluminum sheets at the shop floor roof height of 60'(feet) (approximately) with base made up of FRP or Polycarbonate with corrugation matching to existing roof sheet profile complete in all respect as per the technical features & specifications details shown in attached Annexure-A with contractor's men and material as per the direction of Engineer-in-charge. The rate should be inclusive of all taxes as applicable including all types of charges like packing, transportation, shifting of materials, loading, unloading, manpower, accommodation, storage, consumables & all other incidental expenses whatsoever required. The technical features & specifications details of Turbo Ventilators-make TVI or similar (1) Turbine Diameter 28 Inch (760mm). 2) Neck or Throat 24 Inch (610mm). 3) Height 18 Inch (460mm). 4) Vanes (Blades) 42 Vanes, Aluminum 0.5 mm thickness Alloy 8011. 5) Base Ring MOC (Mounting ring) Stainless steel. 6) Top plate MOC stainless steel 0.8 mm thickness. 7) Rotation Twin Sealed 6203ZZ bearings with self-lubricating DuPont Zytel 101L Polyamide 66 resin to ensure frictionless rotation even at lowest wind velocity. (8) Centre shaft 18mm high carbon steel zinc plated. 9) Inner Arms M.S. with electro zinc plating. (10) Outer Arms M.S. with electro zinc plating. 11) FRP or Polycarbonate base plate 2mm thick clear 1.020 mtr wide and 1.65mtr long matching your sheet profile. 12) Weight of the ventilator 6.5 kg. approx. 13) Center width 800mm + 5mm. 14) Dia of Bottom Ring 600mm + 15mm. 15) Number of Bearing 02 nos. 16) Bearing Type SKF-6001 ZZ & 6003 ZZ Permanently Lubricated & Sealed. 17) Rivets Aluminum Alloy with Washer. The rates of the spares and components will remain firm during the currency of the service agreement.	Numbers	58.00	6398.00	371084.00
5	05	Erecting & fixing crane rail 52Kg/90 R/60Kg in position to correct gauge level with MS clips as per approved drawing. The rate includes all labour, materials tools and plants and scaffolding as required to complete the work. The rates also includes painting of rails with two coats of Red-oxide over one coat of Red-oxide zinc chromate primer. The P.Way materials such as rail, fish plates and bolts & nuts will be supplied free by the railway.	Metre	320.00	761.00	243520.00
6	06	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and without applying a priming coat of approved steel primer all complete.	Kg	120000.00	75.00	9000000.00

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7	07	"Supplying fabricating and erecting welded and or bolted and or riveted steel work in built up sections, trusses and framed work, staging, racks, Height Gauge etc. for Steel Structures other than bridge girders, using RSJ, tees, angles and channels/flats, plates, gussets, round or square bars, cleats, bolts etc., with contractors own steel including cutting, bending, straightening, drilling, riveting, hoisting, fixing, erecting, welding, bolting etc., with Providing stiffeners wherever required as per approved drawing excluding applying a priming coat of a approved steel primer with all contractor's materials, labour, tools & plants, lead & lift including crossing of tracks if required etc., complete as per specification and as directed by Engineer-in-charge. Note: The payment shall be made on the theoretical weight of main components and gusset plates only. "" "	Kg	525000.00	115.00	60375000.00
8	08	Steel work welded in built up sections or framed work, including cutting, hoisting, fixing in position and without applying a priming coat of approved steel primer using structural steel etc. as required. (i)In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete	Kg	6000.00	80.00	480000.00
9	09	Supply of labour or Helpers for assistance to railway inspectors officers during inspection, supervision and measurement of field work etc. as per instruction of Engineer - in - Charge or his representative. For safety related works, competency will be ensured by the inspector concerned.	Man-Days	500.00	511.00	255500.00
10	10	Leading of heavy materials like 90R/52/60 kg rails (single/3 Rail panel), switches , Xing,PSC sleeper (wider/ordinary/Bridge sleeper & turnout) and all p.way materials etc by contractors own means of leading from road side to site of works or from side of running track to road side and one location along the new formation .During leading no materials shall be damaged lead upto 500m	MT	400.00	396.00	158400.00
11	11	Shifting of materials as rails of any section, wooden or CI or Steel or concrete sleepers & all P.way fittings etc to the new position including picking up and stacking as per direction of site engineer within lead up to 60m with contractor's own labours, tools and plants, all lead, lift, ascend, crossing of tracks up to satisfaction of site engineer	MT	150.00	325.00	48750.00

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12	12	Grouting of MCI insert by epoxy resin with hardner quantity 840 Aerolite GU-257 and quartz sand (all to be made by weight in the ratio of 1:2:7) respectively including making holes and in bed block of size 65 mm dia and 110 mm deep drying the holes with blow lamp with all labours, materials, tools and plants and other accessories as required to keep the MCI inserts in proper level and alignment as per direction of engineer at site. The rate is inclusive of supplying MCI inserts by the Contractor.	Numbers	400.00	534.00	213600.00
13	13	Making leveling course on bed block 25 mm thick (Average) EPOXY resin mortar Hardner HY 840 Aradite GY 257 and quartz sand (All to be mixed by weight in the ratio 1:2:10 respectively in proper shape and size including chipping of concrete to make the surface of bed block rough, cleaning the same properly with wire brush, drying bed with blow lamp before putting epoxy mortar with all labours, materials, tools and plants as necessary to complete the work in all respect as per direction of engineer at site. No materials will be supplied by the Railway under this item.	Sqm	15.00	17795.00	266925.00
					Total	71575819.00
Schedule	Schedule 02-Schedule-DSR(1)					
Item- 02	Steel reinforcement for R.C.C. work					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	5.0	REINFORCEMENT CEMENT CONCRETE				
	5.225	STEEL REINFORCEMENT				
	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.				
1	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	134720	107.85	14529552
					Total	14529552.00
Schedule	Schedule 03-Schedule-DSR(2)					
Item- 03	Mechanical Transport including loading, unloading and stacking					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	1.0	CARRIAGE OF MATERIALS				
	1.1	By Mechanical Transport including loading, unloading and stacking				
	1.1.1	Lime, moorum, building rubbish				
1	1.1.1.5	5km	cum	5000	261.35	1306750
	1.1.2	Earth				
2	1.1.2.5	5km	cum	1666	326.68	544248.88
	1.2	By Manual Labour including loading, unloading and stacking for lead less than 0.50 KM				
	1.2.1	Lime, moorum, building rubbish				
3	1.2.1.1	Cost of carriage including loading, unloading & stacking for first 50 metres	cum	5000	227.18	1135900
4	1.2.1.2	Every additional lead of 50m or part thereof beyond 1st 50 m upto 9 such additional lead	cum-lead	5000	49.47	247350
	1.2.2	Earth				
5	1.2.2.1	Cost of carriage including loading, unloading & stacking for first 50 metres	cum	19000	283.98	5395620

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6	1.2.2.2	Every additional lead of 50m or part thereof beyond 1st 50 m upto 9 such additional lead	cum-lead	2000	61.83	123660
	2.0	EARTH WORK				
	2.1S	General				
	2.1	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in-Charge:				
7	2.1.1	All kinds of soil	Sqm	500	129.85	64925
	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge.				
8	2.6.1	All kinds of soil	cum	2500	177.5	443750
	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.				
9	2.8.1	All kinds of soil.	cum	1948	260.3	507064.4
10	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lift.	cum	1325	196	259700
11	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	1100	2123.75	2336125
	4.0	CONCRETE WORK				
	4.1S	CEMENT CONCRETE (CAST IN SITU)				
	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
12	4.1.2	1:1 1/2:3 (1 Cement: 1 1/2 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	557	8340.85	4645853.45
13	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	67	7878.5	527859.5
14	4.1.5	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	510	7294.7	3720297

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	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
15	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	239.4	9895.2	2368910.88
	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
16	4.3.1	Foundations, footings, bases for columns	Sqm	108	392.15	42352.2
	5.0	REINFORCEMENT CEMENT CONCRETE				
	5.1S	CAST IN SITU				
	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
17	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	665	9045.75	6015423.75
	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
18	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	520	10852.95	5643534
	5.9S	FORM WORK				
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
19	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	6351	392.15	2490544.65
20	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	2555	842.5	2152587.5
21	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	715	927.25	662983.75
22	5.9.4	Shelves (Cast in situ)	Sqm	15	927.25	13908.75
23	5.9.5	Lintels, beams, plinth beams, girders, bressummers and cantilevers	Sqm	377	736.4	277622.8
24	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	190	961.3	182647
25	5.9.7	Stairs, (excluding landings) except spiral-staircases	Sqm	15	764.95	11474.25
26	5.9.19	Weather shade, Chajjas, corbels etc., including edges	Sqm	30	951.1	28533
	5.23S	MISCELLANEOUS				

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27	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	Metre	380	78.4	29792
	5.33S	DESIGN MIX CONCRETE				
	5.33	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge, for the following grades of concrete.:				
	5.33.1	All works upto plinth level				
28	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	1453	9504.75	13810401.75
	5.33.2	All works above plinth level upto floor V level				
29	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	30	9860.4	295812
30	5.35	Add for using extra cement in the items of design mix over and above the specified cement content therein.	Quintal	960	733.5	704160
	6.0	MASONRY WORK				
	6.1S	General				
	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
31	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	215	7132.25	1533433.75
	6.4	Brick work 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 in all shapes and sizes in :				
32	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	225	9105.95	2048838.75
	6.12S	HALF BRICK MASONRY				
	6.13	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.				
33	6.13.1	Cement mortar 1:3 (1 cement :3 coarse sand)	Sqm	265	1150.5	304882.5
	8.0	CLADDING WORK				
	8.1S	General				

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	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels				
	8.2.1	Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble				
34	8.2.1.2	Area of slab over 0.50 sqm	Sqm	18	3078.4	55411.2
	8.20S	STONE WORK DRY CLADDING				
35	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), 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.	Sqm	15	1267.95	19019.25
	9.0	WOOD AND P.V.C. WORK				
	9.40S	MISCELLANEOUS-WOOD WORK				
	9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
36	9.48.1	Fixed to steel windows by welding	Kg	160	219.1	35056
37	9.48.2	Fixed to openings /wooden frames with rawl plugs screws etc.	Kg	595	238.35	141818.25
38	9.53	Providing 40x5 mm flat iron hold fast 400 mm long including fixing to frame with 10 mm diameter bolts, nuts and wooden plugs and embedding in cement concrete block 300x100x150 mm 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size).	Each	40	228.85	9154
	9.57S	COPER OXIDISED MILD STEEL FITTINGS (COPPER OXIDISED AS PER IS: 1378)				
	9.57	Providing and fixing ISI marked IS:1341 oxidised M.S. pressed butt hinges with necessary screws etc. complete. (Copper oxidised as per IS 1378)				
39	9.57.1	125x65x2.12 mm	Each	60	55.75	3345
	9.62	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete (Copper oxidised as per IS 1378)				
40	9.62.1	300x16 mm	Each	20	216.55	4331
	9.63	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete (Copper oxidised as per IS 1378)				
41	9.63.1	250x10 mm	Each	60	83.9	5034
42	9.63.3	150x10 mm	Each	60	59.45	3567

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	9.65	Providing and fixing ISI marked oxidised M.S. door latches conforming to IS:5930 with screws etc. complete (Copper oxidised as per IS 1378)				
43	9.65.1	300x20x6 mm	Each	20	98.35	1967
	9.66	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete (Copper oxidised as per IS 1378)				
44	9.66.1	125 mm	Each	44	39.95	1757.8
45	9.66.3	75 mm	Each	36	29.7	1069.2
	9.95S	ANODISED ALUMINIUM FITTINGS (ALL FITTINGS SHALL BE ISI MARKED)				
	9.101	Providing and fixing aluminium hanging floor door stopper, ISI marked, 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.				
46	9.101.2	Twin rubber stopper	Each	35	72.35	2532.25
	9.105S	GYPSUM BOARD PARTITIONS				
	9.117	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance +/-1mm), with wall thickness 2.0 mm (+/- 0.2 mm), corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size19 X 19 mm and 1mm (+/- 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineer- in-charge				
47	9.117.2	Extruded section profile size 42x50 mm	Metre	163	331.35	54010.05
	9.118	Providing and fixing to existing door frames.				

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48	9.118.1	24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (+/- 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (+/- 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (+/- 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (+/- 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).	Sqm	18	2969.25	53446.5
49	9.118.2	30 mm thick factory made Polyvinyl Chloride (PVC) door shutter made of styles and rails of a uPVC hollow section of size 60x30 mm and wall thickness 2 mm (+/- 0.2 mm), with inbuilt decorative moulding edging on one side. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 25x20 mm and 1 mm (+/- 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x30 mm and 2 mm (+/- 0.2 mm) wall thickness fixed to the shutter styles by means of plastic/ galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (+/- 0.1 mm) wall thickness . The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge.	Sqm	61	3253.8	198481.8

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	9.147	Providing and fixing factory made uPVC glazed/wire mesh windows/ doors comprising of lead free uPVC multi-chambered frame, sash and mullion/coupler (where ever required) extruded profiles having minimum wall thickness of 1.70 mm for Series R1 and R2 profiles and 2.10 mm for Series R3 and R4 profiles conforming to EN: 12608 in any shape, colour and design duly reinforced with galvanized mild steel section made of required shape & size as per CPWD Specification, uPVC extruded glazing beads, interlocks and Inline sash adaptor (where ever required) of appropriate dimension, EPDM gasket, hardware, SS 304 grade fasteners of minimum 8 mm dia with countersunk head, comprising of matching polyamide PA6 grade sleeve for fixing frame to finished wall as per IS 1367 : Part 1 to 14, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame, sash & mullion (if required) shall be mitred cut and fusion welded/mechanically jointed duly sealed at all corners, including drilling of holes for fixing hardware and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of approved size and quality, all complete as per approved drawing conforming to CPWD specification & direction of Engineer-in-Charge. Section of steel reinforcement and cross sections of uPVC profiles to be as per design approved by Engineer-in-Charge. Wire mesh / Glazing of plain/ toughened/ laminated/ double glass unit with / without high performance coatings as per design requirements and conforming to IS: 3548 & IS: 16231 shall be paid separately.				
	9.147.A1	Two track two panels sliding window with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				
50	9.147.A1.2	Using R3 series with frame (55 mm & above) x (40 mm & above) & sash (30 mm & above) x (55 mm & above) with zinc alloy (zamak) powder coated handle on every panel along with multi-point locking system (Height upto 1.8m).	Sqm	10	8799.25	87992.5
	10.0	STEEL WORK				
	10.1S	General				
	10.6	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part1 and M.S. top cover of required thickness for rolling shutters.				

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51	10.6.1	80x1.25 mm M.S. laths with 1.25 mm thick top cover	Sqm	20	3653.2	73064
52	10.7	Providing and fixing ball bearing for rolling shutters.	Each	90	492.35	44311.5
	10.8	Extra for providing mechanical device chain and crank operation for operating rolling shutters.				
53	10.8.1	Exceeding 10.00 sqm and upto 16.80 sqm in the area	Sqm	60	1281.35	76881
54	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	Kg	4000	97.2	388800
	11.0	FLOORING				
	11.1S	General				
55	11.2	Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with Jamuna sand, with common burnt clay non modular bricks.	Sqm	1082	792.05	856998.1
	11.3	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.				
56	11.3.1	40 mm thick with 20 mm nominal size stone aggregate	Sqm	220	614.2	135124
57	11.4	52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacturer's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	Sqm	3880	978.45	3796386
	11.37S	CERAMIC GLAZED TILES				
58	11.37	Providing and laying Ceramic glazed floor tiles of size 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), jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	110	1096.55	120620.5
	11.41S	VITRIFIED FLOOR TILES				
	11.41	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.				

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59	11.41.2	Size of Tile 600x600 mm	Sqm	650	1553.45	1009742.5
	12.0	ROOFING				
	12.1S	SHEET ROOFING				
	12.1	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.				
60	12.1.2	0.80 mm thick with zinc coating not less than 275 gm/m2	Sqm	10000	1257.55	12575500
	12.4	Providing ridges or hips of width 60 cm overall width plain G.S. sheet fixed with polymer coated J or L hooks, bolts and nuts 8mm dia G.I. limpet and bitumen washers complete.				
61	12.4.1	0.80 mm thick with zinc coating not less than 275 gm/m2	Metre	160	1083.3	173328
	12.7	Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.				
62	12.7.1	0.80 mm thick with zinc coating not less than 275 gm/m2	Metre	300	1029.65	308895
63	12.11	Extra for providing and fixing wind ties of 40x 6 mm flat iron section.	Metre	2000	195.6	391200
64	12.14	Providing flat iron brackets 50x3 mm size with necessary bolts, nuts and washers etc. for fixing G.S. sheets gutters with purlins.	Metre	1000	92.4	92400
	12.37S	RAIN WATER SPOUT AND PIPE				
	12.41	Providing and fixing on wall face unplasticised 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.				
65	12.41.1	75 mm diameter	Metre	110	248.8	27368
66	12.41.2	110 mm diameter	Metre	225	377.4	84915
	12.42	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised 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.				
	12.42.1	Coupler				
67	12.42.1.1	75 mm	Each	5	91.7	458.5
68	12.42.1.2	110 mm	Each	10	136.15	1361.5
	12.42.4	Single tee without door				
69	12.42.4.1	75x75x75 mm	Each	5	144.3	721.5
70	12.42.4.2	110x110x110 mm	Each	10	221.35	2213.5
	12.42.5	Bend 87.5 degree				
71	12.42.5.1	75 mm bend	Each	10	105.9	1059
72	12.42.5.2	110 mm bend	Each	17	150.35	2555.95

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	12.42.6	Shoe (Plain)				
73	12.42.6.1	75 mm Shoe	Each	5	93.1	465.5
74	12.42.6.2	110 mm Shoe	Each	5	131.85	659.25
	12.43	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
75	12.43.1	75 mm	Each	125	369.85	46231.25
76	12.43.2	110 mm	Each	150	371.3	55695
77	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	Each	36	54.7	1969.2
	12.47	Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8 mm dia. G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc. The sheets shall be manufactured out of 2400 TEX panel rovings incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866. The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.				
78	12.47.1	2 mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") as specified	Sqm	3000	1401.35	4204050
79	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05 mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	4100	738.65	3028465

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	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50 mm (base metal of minimum 0.45 mm thickness with total coating thickness of 0.05 mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :				
80	12.51.1	Ridges plain (500 - 600mm)	Metre	400	532.35	212940
	13.0	FINISHING				
	13.4S	CEMENT PLASTER (IN COARSE SAND)				
	13.4	12 mm cement plaster of mix :				
81	13.4.2	1:6 (1 cement: 6 coarse sand)	Sqm	2375	343.65	816168.75
	13.7S	CEMENT PLASTER WITH A FLOATING COAT OF NEAT CEMENT				
	13.7	12 mm cement plaster finished with a floating coat of neat cement of mix :				
82	13.7.2	1:4 (1 cement: 4 fine sand)	Sqm	700	425.55	297885
	13.16S	6 mm CEMENT PLASTER				
	13.16	6 mm cement plaster of mix :				
83	13.16.1	1:3 (1 cement : 3 fine sand)	Sqm	225	300.45	67601.25
	13.20S	PEBBLE DASH PLASTER				
84	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	1287	262.7	338094.9
	13.37S	INTERIOR FINISHING				
	13.41	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour :				
85	13.41.1	New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	Sqm	1825	185.65	338811.25
	13.44S	EXTERIOR FINISHING				
	13.44	Finishing walls with water proofing cement paint of required shade :				
86	13.44.1	New work (Two or more coats applied @ 3.84 kg/10 sqm)	Sqm	975	116.9	113977.5
	13.45	Finishing walls with textured exterior paint of required shade :				
87	13.45.1	New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm	Sqm	650	223.6	145340
	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
88	13.61.1	Two or more coats on new work	Sqm	30	155.9	4677
	13.63	Painting with aluminium paint of approved brand and manufacture to give an even shade .				
89	13.63.1	Two or more coats on new work	Sqm	200	146.8	29360
	13.68	French spirit polishing :				
90	13.68.1	Two or more coats on new works including a coat of wood filler	Sqm	15	446.25	6693.75
	15.0	DISMANTLING AND DEMOLISHING				

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	15.1S	General				
91	15.1	Demolishing lime concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineer- in-charge.	cum	15	851.5	12772.5
	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
92	15.2.2	Nominal concrete 1:4:8 or leaner mix (including equivalent design mix)	cum	250	1503.6	375900
93	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	cum	345	3551.25	1225181.25
	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
94	15.7.4	In cement mortar	cum	150	2060.2	309030
	15.8	Removing mortar from bricks and cleaning bricks including stacking within a lead of 50 m (stacks of cleaned bricks shall be measured):				
95	15.8.3	From brick work in cement mortar	1000 Nos.	18000	6700.8	120614.4
96	15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	Kg	105000	5.65	593250
	15.28	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:				
97	15.28.1	G.S. Sheet	Sqm	1000	164.95	164950
	15.42	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :				
98	15.42.3	150 mm dia pipe	Metre	500	80.25	40125
	16.0	ROAD WORK				
	16.30S	PREMIX CARPET				
	16.30	Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications :				
99	16.30.1	On W.B.M. @ 0.75 Kg / sqm	Sqm	750	60.5	45375

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	16.39	4 cm thick bitumastic sheet with hot bitumen of approved quality, using stone chippings (60% with 12.5 mm nominal size and 40% with 10 mm nominal size) @ 2.60 cum per 100 sqm and coarse sand @ 2.60 cum per 100 sqm of road surface and with bitumen @ 56 kg/cum of stone chippings and @ 128 kg/cum of sand over a tack coat with hot straight run bitumen, including consolidation with road roller of 8 to 10 tonne etc. complete. (tack coat to be paid separately) :				
100	16.39.1	With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt	Sqm	750	531.6	398700
	16.40S	SEAL COAT				
101	16.40	Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG - 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including rolling and finishing with road roller all complete.	Sqm	750	88.55	66412.5
	16.49S	MISCELLANEOUS				
102	16.53	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick)and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	Metre	100	375.8	37580
103	16.79	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paver finisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	cum	600	2914.3	1748580
	17.0	SANITARY INSTALLATIONS				
	17.1S	General				

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	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, 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:				
104	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	4	6767.4	27069.6
	17.2	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, including flush pipe, 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 :				
105	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	2	6515.55	13031.1
	17.7	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:				
106	17.7.2	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	Each	5	2226.35	11131.75
107	17.7.7	White Vitreous China Flat back wash basin size 450x 300 mm with single 15mm C.P. brass pillar tap	Each	3	1513.6	4540.8
	17.18	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.				
108	17.18.1	10 litre capacity - White	Each	2	1190.65	2381.3
109	17.23	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	Each	2	1648.95	3297.9
	17.32	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :				
110	17.32.2	Rectangular shape 453x357 mm	Each	2	1361.8	2723.6
111	17.71	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	Each	3	168.35	505.05
	17.73	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				

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112	17.73.2	600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	3	708.95	2126.85
	18.0	WATER SUPPLY				
	18.75	C.P.V.C. PIPES				
	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and 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.				
113	18.8.1	15 mm nominal dia Pipes	Metre	25	497.8	12445
114	18.8.3	25 mm nominal dia Pipes	Metre	50	627.25	31362.5
	18.9	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 & testing of joints complete as per direction of Engineer in Charge. External work				
115	18.9.3	25 mm nominal dia Pipes	Metre	125	355.4	44425
116	18.9.4	32 mm nominal dia Pipes	Metre	125	438.6	54825
117	18.9.5	40 mm nominal dia Pipes	Metre	125	563.05	70381.25
	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
118	18.12.6	50 mm dia nominal bore	Metre	50	762.15	38107.5
119	18.12.8	80 mm dia nominal bore	Metre	50	1041.7	52085
	18.15S	BRASS FITTINGS				
	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
120	18.17.1	25 mm nominal bore	Each	6	622.4	3734.4
121	18.17.2	32 mm nominal bore.	Each	2	689.6	1379.2
	18.23S	C.I./DUCTILE IRON PIPES & SPECIALS				
	18.27	Providing and laying S&S centrifugally cast (spun) iron pipes (Class LA) conforming to IS - 1536 :				
122	18.27.3	150 mm dia pipe	Metre	50	2037	101850
	18.31S	C.I. SLUICE VALVES/ FIRE HYDRANTS & FIXTURES				
	18.47	Providing and fixing G.I. Union in existing G.I. pipe line, cutting and threading the pipe and making long screws, including excavation, refilling the earth or cutting of wall and making good the same complete wherever required :				
123	18.47.1	15 mm nominal bore	Each	15	829.45	12441.75
124	18.47.2	20 mm nominal bore	Each	15	857.85	12867.75
125	18.47.3	25 mm nominal bore	Each	15	950.35	14255.25
	18.49S	C.P. BRASS FITTINGS				
	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
126	18.49.1	15 mm nominal bore	Each	4	506.8	2027.2

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	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
127	18.51.1	15 mm nominal bore	Each	2	798.95	1597.9
	18.52	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
128	18.52.1	15 mm nominal bore	Each	10	670.45	6704.5
	18.53	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931				
129	18.53.1	15mm nominal bore	Each	3	574.3	1722.9
	18.54S	PTMT FITTINGS				
	18.54	Providing and fixing PTMT bib cock of approved quality and colour.				
130	18.54.1	15 mm nominal bore, 86 mm long, weighing not less than 88 gms	Each	15	125.6	1884
	18.55	Providing and fixing PTMT stop cock of approved quality and colour.				
131	18.55.1	15 mm nominal bore, 86 mm long, weighing not less than 88 gms	Each	15	118.5	1777.5
	18.56	Providing and fixing PTMT pillar cock of approved quality and colour.				
132	18.56.1	15 mm nominal bore, 107 mm long, weighing not less than 110 gms	Each	15	208.45	3126.75
	18.58	Providing and fixing PTMT grating of approved quality and colour.				
	18.58.1	Circular type				
133	18.58.1.1	100 mm nominal dia	Each	5	37.6	188
	18.59S	AIR VALVE & WATER METER (BULK TYPE)				
134	18.63	Providing and fixing PTMT angle stop cock 15 mm nominal bore, weighing not less than 85 gms	Each	12	156.9	1882.8
	21.0	ALUMINIUM WORK				
	21.1S	General				
	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, panelling and dash fasteners to be paid for separately) :				
	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				

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135	21.1.2.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	180	598.6	107748
	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / 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):				
136	21.3.1	With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	Sqm	8	1176.8	9414.4
					Total	96221439.61
Schedule	Schedule 04-Schedule-DSR(3)					
Item- 04	Preparation of beds for hedging and shrubbery by excavating					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
	2.0	HORTICUTURE AND LANDSCAPING				
	2.4	Supplying a n d stacking a t site dump manure from approved source, including carriage upto 5 km lead complete (manure measured in stacks will be reduced by 8% for payment) :				
1	2.4.3	Screened through sieve of I.S. designation 4.75 mm	cum	5	319.9	1599.5
2	2.9	Mixing earth and sludge or manure in the required proportion specified or directed by the Officer-in-charge	cum	5	36.55	182.75
3	2.13	Preparation of beds for hedging and shrubbery by excavating 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacked volume of earth after reduction by 20% : one part of stacked volume of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, leveling etc. including stacking and disposal of materials declared unserviceable and surplus earth by spreading and leveling as directed, within a lead of 50 m, lift up to 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately)	cum	5	222.85	1114.25

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4	2.27	Providing and fixing M. S. tree guard 50 cm square in plan, height 1.40 metre above ground level and 0.50 metre below ground level. The vertical members shall consist of four nos of angle iron of size 25x25x5 mm 1.9 long, one at each corner and 8 nos flat iron of size 25x5 mm 1.4 long. The vertical members shall be welded to 4 nos 25x6 mm M. S. flats placed horizontally around the vertical member of the cage. One name plate of 1 mm thick M.S. sheet of size 250x100 mm shall be welded to the tree guard near the middle height and lettered CPWD / PWD/ any other approved name. The tree guard shall be fixed to the ground by making suitable holes and by embedding four corners leg in the ground, including refilling the earth, compaction etc. complete. The tree guard shall be painted with two coats of paint of approved brand and manufacture over a coat of primer, complete in all respect.	Each	20	3448.6	68972
	7.0	TREE PLANTS				
5	7.36	Providing and stacking of Ficus religiosa (Peepal) of height 150-165 cm. in big poly bags of size 30 cm as per direction of the officer-in-charge.	Each	10	65	650
6	7.53	Providing and stacking of Mangifera indica (Mango-grafted) of height 60-75 cm. in big poly bag of size 25 cm as per direction of the officer-in-charge.	Each	10	55	550
					Total	73068.50
Schedule	Schedule 05-Schedule-USSOR(5) P.Way					
Item- 05	Lubrication of gauge face of rail on curves, cross overs, points & crossings					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	063110	Lubrication of gauge face of rail on curves, cross overs, points & crossings, turn-in curves and at locations as required with contractor's grease graphite grade "O" IS 408 and as directed.	RM	300.00	4.29	1287.00
		Gas cutting of rail of various sections with contractor's tools & plants, as directed by engineer in-charge :				
2	064051	Rail section of 90R and below	Each	20.00	136.41	2728.20
3	064052	Rail section of 52Kg and above	Each	20.00	163.69	3273.80

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		Under Traffic Block: Dismantling of existing BG turnouts, diamond crossings and derailing switches with all types of rails and sleeper layout, removing rails, switches, crossings, sleepers & fastenings, leveling of ballast to correct profile & stacking all the released materials, sleepers, fastenings, rails, switches & crossings including segregating & stacking at specified locations in a neat and countable manner, within the lead of 250m & all lift, clear of infringements, crossing of track, if any complete, as directed. Note: 1. This item shall be operated only when existing turnout is replaced either with new turnout in case of TTR or with plain track when existing turnout is no more required at that location. 2. Rail cutting will be paid extra under relevant item. 3. Laying of new turnout or plain track on prepared ballast bed, as required, shall be paid separately under relevant item.				
4	071011	1 in 8½ Turnout (Under Traffic Block)	Set	2.00	36340.97	72681.94
		Laying and linking all types of turnouts, diamond crossings and Derailing switches with 52Kg / 60Kg rail section on PSC sleepers on ballast bed, prepared after dismantling & removal of existing turnout/normal line during TTR/yard remodeling under traffic block, as per standard drawing, duly leading sleepers, rails, switches, crossings, fastenings including rail cutting, drilling, fixing of all components, fittings with housing of tongue rails as per requirement of signaling, preparing ballast bed, filling and spreading of ballast as required, linking of turnout with track, attending track parameters including lifting, providing one round of packing to make track fit for 20 kmph speed including lubrication of fittings/fastening, complete as directed by Engineer in-charge. Note: Payment for dismantling & removal of existing turnout/normal line, transportation/stacking of released material and preparing of ballast bed is not included in this item and shall be paid under relevant item.				
5	072051	1 in 8½ Turnouts	Set	8.00	55447.01	443576.08
6	074110	Fabrication, supply and fixing of hand operated lever boxes with pull rod of 33mm dia to Drg.No. MA3040 including lead, lift, loading, unloading, tools and plants, transportation, crossing of track wherever necessary as directed by Engineer-in-charge at site. Note: 1. Rate including Fabrication, Supply and Fixing of hand operated boxes. 2. Spring point lever (Self reversing type) as per drawing no. TMC-12 (Sheet 1,2,3).	Set	8.00	24289.81	194318.48

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7	121010	Dismantling of existing LWR/SWR track of any structure, removing rails, sleepers, fish plates, cutting of rails, segregation and stacking of released Rails, Sleepers and fitting at nominated location in countable manner within a free lead of 500m, levelling of ballast to correct profile for laying new track over it, all as per direction of Engineer-in-Charge.	TRM	300.00	219.07	65721.00
		Linking of BG track (except at LC, Bridges and SEJs) with any type of rail section and sleeper of specified density, on ballast bed spread and compacted with suitable roller, over prepared formation including leading free rails/welded panels available along the alignment on to formation, leading and spreading all fittings and fastenings, spreading of sleepers at specified spacing, squaring, placing of rails over sleepers and fixing rails to sleepers with all types of fittings and fastenings to correct gauge & alignment, lubrication of fittings and fastenings with contractor's grease as per IRPWM standards with contractors labour, tools, consumables, with all lead, lifts etc. complete and raising, levelling and initial packing of track to make it fit for 30 kmph and meet other prerequisites prescribed in Indian Railway Track Machine Manual for deployment of Tamping Machine. Note: 1.Rail cutting and Hole drilling shall be paid separately. 2.Spreading of ballast and compaction shall be paid separately under relevant item.				
8	123042	For sleeper density of 1540 sleepers per km	TRM	1000.00	306.06	306060.00
		Slewing and realigning of curves under traffic line block condition, as directed by Engineer in-charge with contractor's labour, tools & plants, as required with general lift up to 25mm including one round of through packing, ballast profiling, loosening/tightening of P.Way fittings, if required and other incidental works. Note: Payment will be made based on average slew calculated in each 50m length of track by averaging absolute values of positive and negative value of slews.				
9	134015	PSC Sleeper track - Maximum slew up to 50mm	TRM	100.00	149.36	14936.00
10	134016	PSC Sleeper track - Maximum slew more than 50mm and up to 100mm	TRM	100.00	188.35	18835.00
11	134017	PSC Sleeper track - Maximum slew more than 100mm and up to 150mm	TRM	100.00	217.66	21766.00
12	134018	PSC Sleeper track - Maximum slew more than 150mm	TRM	100.00	249.62	24962.00
		Anti-corrosive painting of rail outside track on rail bottom, web, foot and fishing plane with two coats of thickness of 100 microns each by bituminous black paint confirms to IS-9862 of reputed make including surface preparation, as a complete job as per procedure prescribed in latest edition of IRPWM.				
13	137011	For 60 Kg Rails	RM	2500.00	65.22	163050.00

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		Cutting of rails with Rail Cutting Machine (Saw type) in all types of rail sections with contractor's tools & plants, equipment, consumable with all lead & lift etc. complete, as directed by Engineer in-charge. Rail Cutting Machine (Saw type) will be as per RDSO Specification No. TM/SM/4, dated 24.04.1991. Note: This item shall only be used in specific circumstances on specific order of Engineer-in-Charge.				
14	161022	60 Kg - 90 UTS - Outside Track	Each	250.00	291.73	72932.50
15	161023	52 Kg - 90 UTS - Outside Track	Each	50.00	282.60	14130.00
16	161026	60 Kg - 90 UTS- On Running Line	Each	20.00	449.58	8991.60
17	161027	52 Kg - 90 UTS- On Running Line	Each	20.00	307.62	6152.40
		Drilling holes of 16 mm to 32 mm dia. with Rail Drilling machine including chamfering with appropriate chamfering tools in all types of rail section with contractor's tools & plants, equipment, consumable with all lead & lift etc. complete, as directed by Engineer in-charge. Rail Drilling Machine will be as per RDSO Specification No. TM/SM/3, dated 24.04.1991.				
18	161041	Outside Track	Each	1000.00	57.02	57020.00
19	161042	On Running Line	Each	50.00	75.99	3799.50
		Loading, leading and unloading of 52Kg / 60Kg rail up to 13 metre length by Railway's Rail Dolly / Dip Lorry to the nominated location under traffic with line protection in case road carriage is not possible with different lead with a lift up to 5 metre during block period.				
20	171031	For lead up to 500 metre.	MT	250.00	455.32	113830.00
21	171032	For lead beyond 500 metre and up to 1 Km.	MT	250.00	587.97	146992.50
22	171034	Extra to Item no. 171031 and 171032 with contractor's Rail Dolly / Dip Lorry	MT	100.00	16.85	1685.00
		Loading of 52kg / 60kg PSC normal line and special sleepers up to 2.75 metre length in Depot / Station / Mid-section between stations in a neat manner to departmental material train (DMT) or contractor's / Railway's Truck/Trailer with crane or any other means including crossing of one track with free lead up to 250 metre and lift up to 5 metre, if required with contractor's labour, tools & plants, machinery, consumables etc. Note: In case of any damage to sleeper during loading, penalty @ 50% of the all inclusive cost of sleeper shall be levied.				
23	172014	In Wagon where mechanical handling is possible and traffic block is not required or in Truck / trailer	MT	500.00	97.16	48580.00
		Loading, leading and unloading of PSC Sleepers of 52Kg / 60Kg by Railway's Rail Dolly/ Dip Lorry to the nominated location under traffic in case road carriage is not possible for different leads and lift up to 5 metres.				
24	172031	For lead up to 500 metres	MT	600.00	354.59	212754.00
25	172034	Extra to Item no. 172031 and 172032 with contractor's Rail Dolly/Dip Lorry.	MT	600.00	18.64	11184.00

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		Loading, leading and unloading of all types of P.Way fittings and all other miscellaneous material except Rails, sleepers, switches, crossings, SEJs and Glued Joints by road vehicles for different leads. Note: Lead shall be the shortest motorable road length between the points of loading and unloading.				
26	172041	Lead up to 5 Km	MT	20.00	193.12	3862.40
27	172046	Lead beyond 50 Km and up to 100 Km	MT	20.00	675.98	13519.60
		Transportation of Rails, sleepers, switches, crossings, SEJs and Glued Joints by road vehicles for different leads. Note: 1. Lead shall be the shortest motorable road length between the points of loading and unloading. 2. Loading and unloading shall be paid extra under relevant items.				
28	172051	Lead up to 5 Km	MT	100.00	55.91	5591.00
29	172052	Lead beyond 5 Km and up to 10 km	MT	100.00	98.82	9882.00
30	172053	Lead beyond 10 Km and up to 20 km	MT	100.00	157.08	15708.00
31	172054	Lead beyond 20 Km and up to 30 km	MT	100.00	227.84	22784.00
32	172055	Lead beyond 30 Km and up to 50 km	MT	100.00	325.85	32585.00
33	172056	Lead beyond 50 Km and up to 100 Km	MT	100.00	538.76	53876.00
34	172057	Lead beyond 100 Km and up to 150 Km	MT	1100.00	858.20	944020.00
35	172058	Extra for every Km per MT beyond 150 Km over item no. 172057	MT-Km	150000.00	3.27	490500.00
		Unloading of 52kg / 60kg PSC line and special sleepers up to 2.75 metre length in Depot / Station / Mid-section between stations in neat manner for Railway usage from departmental material train (DMT) or contractor's / Railway's Truck/Trailer with crane or any other means including crossing of one track and lead up to 250 metre & lift up to 5 metre with contractor's labour, tools & plants, machinery, consumables etc. Note: In case of any damage to sleeper during loading, penalty @ 50% of the all inclusive cost of sleeper shall be levied.				
36	172063	From Truck / Trailer	MT	500.00	95.29	47645.00
		Unloading of 52kg / 60kg PSC special sleepers beyond 2.75 metre length in Depot / Station / Mid-section between stations in neat manner for Railway usage from departmental material train (DMT) or contractor's / Railway's Truck/Trailer with crane or any other means including crossing of one track and lead up to 50 metre & lift up to 5 metre with contractor's labour, tools & plants, machinery, consumables etc. Note: In case of any damage to sleeper during loading, penalty @ 50% of the all inclusive cost of sleeper shall be levied.				
37	172073	From Truck / Trailer	MT	300.00	96.69	29007.00
		Unloading of Switches / Crossings / SEJ Rails / Glued Joints of any rail section and length with or without P.Way fittings & fastenings in neat manner for Railway usage from departmental material train (DMT) or contractor's / Railway's Truck/Trailer with lead up to 250 metre & lift up to 5 metres.				
38	173013	From Truck / Trailer	MT	50.00	125.39	6269.50

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		Collection, segregation and stacking of various scattered P.Way materials at nominated stacking location with serviceable and un-serviceable ones separately within a lead up to 500 metre and lift up to 5 metre including crossing o f track(s) wherever necessary as directed by Engineer-in-Charge.				
39	173031	Rails, switches, crossings, SEJ, Glued joints, Check Rails etc.	MT	50.00	444.82	22241.00
40	173032	All type of PSC sleepers	MT	20.00	486.65	9733.00
41	173033	P.Way fittings of all types and other similar loose items	MT	10.00	460.41	4604.10
42	183030	Cutting foot of rail by gas or any other approved method for check rails and grinding sharp edges into smooth profile. Payment shall be made for length of cutting of foot.	RM	100.00	197.14	19714.00
43	211030	Fabricating of check rails of 52Kg and 90R sections for providing to curves by cutting web of rail horizontally by gas, grinding for smoothening the cut edge and drilling of parabolic shaped holes to the web of check rails as per drawing and specification and as per directions of engineer in-charge with all contractor's labour, tools and materials complete. Note: 1. Rails shall be supplied by Railways 2.The both ends of head of check rails are to bent/cut as per drawing. 3. The released rail scrap shall be stacked neatly with in a lead of 500m. 4.Drilling of holes shall be paid under relevant item.	RM	100.00	260.68	26068.00
44	211210	Arranging labour as and when required by the Engineer in charge, for various works under SSE/P.Way, with contractor's T&P, equipments, hand signal flags, etc. as per specifications, special conditions and detailed scope of work as furnished in the tender and as directed by the Engineer in charge. Note: Item shall be operated with prior approval of concerned Sr. DEN / DEN in charge.	Day	400.00	836.66	334664.00
					Total	4123520.60
Schedule	Schedule 06-Schedule-USSOR(6)					
Item- 06	Supplying and fixing HSFG bolts of any Dia and any length					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	041020	Supplying and fixing HSFG bolts of any dia and any length with suitable nuts including DTI washers conforming to IRS-B1-2001 for bridges and steel structures with contractors labour, tools and plants and lead and lift etc., complete.	Kg	2000.00	229.03	458060.00

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		Metallizing of steel work of girders with sprayed aluminium after surface preparation by Sand/grit blasting, followed by one coat of etch primer (IS:5666) & one coat of Zinc Chrome primer (IS:104) and two coats of aluminium paint (IS:2339) with all labour, T&P and material as a complete job duly conforming to all relevant specifications and process given under Clause 39 of IRS-B1-2001. Note: Nominal Thickness of sprayed Aluminium coating shall be 150 microns. DFT of Zinc chrome primer shall be 25-30 microns and DFT of each coat of Aluminium paint shall be 12-14 microns.				
2	041041	On new girder during fabrication	Sqm	25250.00	787.40	19881850.00
		Providing and fixing various size HTS holding down bolts conforming to relevant Codes/Specification in concrete column or in other structures with proper nuts, bolts, washers/plates, grouting of holes with cement or epoxy concrete with all material, labour, T&P as a complete job.				
3	041072	With epoxy concrete grouting.	Kg	2300.00	135.37	311351.00
		Supplying & fixing of Anti-Skid MS / Stainless Steel chequered plates on unballasted deck bridge as per approved drawings, with matching grade stainless steel fasteners as directed by Engineer-in-Charge, on new bridge or replacement of existing chequered plates on old bridge including removal of old chequered plates and stacking near approaches of bridge, clear from all infringement. Note: Joints of chequered plates shall not fall in between sleepers				
4	195043	Anti-Skid Stainless Steel chequered plate conforming to latest IS: 6911, ISS Symbol 409 M, minimum 6mm thick (excluding bead height) with flat bottom and top pattern conforming to IS: 3502, 1A with bead height of minimum 0.8 mm - on New Bridges as per RDSO drawings.	Kg	9200.00	171.29	1575868.00
		Hiring of machinery for minor miscellaneous works for short duration including operator/driver, fuel, lubricants and consumable. The contractor shall arrange all statutory permits as required by rules and regulations prevailing in the area of work. Payment shall be made for actual working hours at site.				
5	211202	Hydra or similar tyre mounted Pick-n-Carry crane of 12T capacity for misc. works of handling of material	Hour	100.00	940.74	94074.00
					Total	22321203.00

4. ELIGIBILITY CONDITIONS

Important : All documents uploaded and remarks / confirmation entered by the bidders against any eligibility condition shall be opened as part of technical bid only

Standard Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	The tenderer must have minimum average annual contractual turnover of V/N or 'V' whichever is less; where V= Advertised value of the tender in crores of Rupees N= Number of years prescribed for completion of work for which bids have been invited. The average annual contractual turnover shall be calculated as an average of "total contractual payments" in the previous three financial years, as per the audited balance sheet. However, in case balance sheet of the previous year is yet to be prepared/ audited, the audited balance sheet of the fourth previous year shall be considered for calculating average annual contractual turnover. The tenderers shall submit requisite information as per Annexure-VIB, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.[FOR COMPLETE DETAILS OF THE FINANCIAL ELIGIBILITY CRITERIA FOR CONTRACT AMOUNT RECEIVED, PLEASE REFER CLAUSE 10.2 CHAPTER -II OF THE TENDER DOCUMENT]	No	No	Allowed (Mandatory)
1.1	Submit the scanned copy (In PDF form) of the documents for evaluating the Bid capacity(Please refer clause 10.3 & 17.15.3 of chapter-II of the Tender document)This is applicable in all works contract having tender value of Rs. 20.00 Crore and above. TENDERS NOT ACCOMPANIED BY THESE DOCUMENTS WILL BE SUMMARILY REJECTED.	No	No	Allowed (Optional)

Standard Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	<p>(a)The tenderer must have successfully completed or substantially completed any one of the following categories of work(s) 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 costing not less than the amount equal to 60% of advertised value of the tender. (b)(1)In case of tenders for composite works (e.g. works involving more than one distinct component, such as Civil Engineering works, S&T works, Electrical works,OHE works etc. and in the case of major bridges-substructure, superstructure etc.), tenderer must have successfully completed or substantially completed any one of the following categories of work(s) 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 each component of tender, or (ii)Two similar works each costing not less than the amount equal to 40% of advertised value of each component of tender, or(iii)One similar work each costing not less than the amount equal to 60% of advertised value of each component of tender. Note for b(1): Separate completed works of minimum required values shall also be considered for fulfillment of technical eligibility criteria for different components. (b)(2)In such cases, what constitutes a component in a composite work shall be clearly pre-defined with estimated tender cost of it, as part of the tender documents without any ambiguity. (b) (3) To evaluate the technical eligibility of tenderer, only components of work as stipulated in tender documents for evaluation of technical eligibility, shall be considered. The scope of work covered in other remaining components shall be either executed by tenderer himself if he has work experience as mentioned in clause 7 of the Standard General Conditions of Contractor through subcontractor fulfilling the requirements as per clause 7 of the Standard General Conditions of Contract or jointly i.e., partly himself and remaining through subcontractor, with prior approval of Chief Engineer in writing. However, if required in tender documents by way of Special Conditions, a formal agreement duly notarised,legally enforceable in the court of law, shall be executed by the main contractor with the subcontractor for the component(s) of work proposed to be executed by the subcontractor(s), and shall be submitted along with the offer for considering subletting of that scope of work towards fulfillment of technical eligibility. Such subcontractor must fulfill technical eligibility criteria as follows: The subcontractor shall have successfully completed at least one work similar to work proposed for subcontract, costing not less than 35% value of work to be subletted, in last 5 years, ending last day of month previous to the one in which tender is invited through a works contract. Note: for subletting of work costing up to Rs 50 lakh, no previous work experience of subcontractor shall be asked for by the Railway. SIMILAR NATURE OF WORK FOR THIS TENDER AS DEFINED UNDER CLAUSE 10.1 OF TENDER FORM (SECOND SHEET) OF ANNEXURE-I OF CHAPTER-II OF TENDER DOCUMENT.</p>	No	No	Allowed (Mandatory)
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Bidders shall confirm and certify on the behalf of the tenderer including its constituents as under:

S.No.	Description
1	I/we the tenderer (s) am/are signing this document after carefully reading the contents.
2	I/We the tenderer(s) also accept all the conditions of the tender and have signed all the pages in confirmation thereof.
3	I/we hereby declare that I/we have downloaded the tender documents from Indian Railway website www.ireps.gov.in . I/we have verified the content of the document from the website and there is no addition, no deletion or no alteration to the content of the tender document. In case of any discrepancy noticed at any stage i.e. evaluation of tenders, execution of work or final payment of the contract, the master copy available with the railway Administration shall be final and binding upon me/us.
4	I/we declare and certify that I/we have not made any misleading or false representation in the forms, statements and attachments in proof of the qualification requirements.
5	I/We also understand that my/our offer will be evaluated based on the documents/credentials submitted along with the offer and same shall be binding upon me/us.
6	I/We declare that the information and documents submitted along with the tender by me/us are correct and I/we are fully responsible for the correctness of the information and documents, submitted by us.
7	I/we certify that I/we the tenderer(s) is/are not blacklisted or debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of submission of bids, either in individual capacity or as a HUF/ member of the partnership firm/LLP/JV/Society/Trust.

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8	I/we understand that if the contents of the certificate submitted by us are found to be forged/false at any time during process for evaluation of tenders, it shall lead to forfeiture of the Bid Security and may also lead to any other action provided in the contract including banning of business for a period of upto two year. Further, I/we and all my/our constituents understand that my/our offer shall be summarily rejected.
9	I/we also understand that if the contents of the certificate submitted by us are found to be false/forged at any time after the award of the contract, it will lead to termination of the contract, along with forfeiture of Bid Security/Security Deposit and Performance guarantee and may also lead to any other action provided in the contract including banning of business for a period of upto two year.
10	I/We have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India and certify that I am/We are not from such a country or, if from such a country, have been registered with the competent Authority. I/We hereby certify that I/we fulfil all the requirements in this regard and am/are eligible to be considered (evidence of valid registration by the competent authority is enclosed)

Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc.

S.No.	Description
1	Partnership firm/Joint Venture (JV) / Hindu Undivided Family (HUF) / Limited Liability Partnership (LLP) etc. Please submit a certificate in the prescribed format (please download the format from the link given below). Non submission of the certificate, or submission of certificate either not properly filled in, or in a format other than the prescribed format shall lead to summary rejection of your offer. (Click here to download the Format of Self Certification)

5. COMPLIANCE

Important : All documents uploaded and remarks / confirmation entered by the bidders against any compliance condition shall be opened as part of technical bid only.

Commercial-Compliance

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The Bid Security shall be deposited either in cash through e payment gateway or submitted as Bank Guarantee bond from a scheduled commercial bank of India or as mentioned in tender documents. The Bank Guarantee bond shall be as per Annexure-VIA and shall be valid for a period of 90days beyond the bid validity period. (3)In case, submission of Bid Security in the form of Bank Guarantee, following shall be ensured: i. A scanned copy of the Bank Guarantee shall be uploaded on e-Procurement Portal (IREPS) while applying to the tender. ii. The original Bank Guarantee should be delivered in person to the official nominated as indicated in the tender document before closing date for submission of bids (i.e. excluding the last date of submission of bids). iii. Non submission of scanned copy of Bank Guarantee with the bid on e-tendering portal (IREPS) and/or non submission of original Bank Guarantee within the specified period shall lead to summary rejection of bid. Other stipulations of Clause 5 of Chapter-II of Tender document shall be followed.	No	No	Allowed (Mandatory)
2	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)

General Instructions

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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1	All documents in support of fulfilment of eligibility criteria with respect to completion of Similar nature of work for Technical Eligibility Criteria and Total contract value for Financial Eligibility Criteria should be furnished along with the tender and should be submitted online at the time of tender bidding. Tenders not accompanied by documentary evidence in support of eligibility criteria will be summarily rejected. No post tender communication, in any form will be made or entertained, after opening of tenders, in this regard. Railways may however call for the originals of the credentials for verification or any clarifications/confirmations on the contents of the documents submitted.	No	No	Not Allowed
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Technical-Compliances

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Documents related to Constitution of Firm :	No	No	Not Allowed
1.1	In case of Sole Proprietorship Concern: Scanned copy [in PDF format] of an Undertaking may be given. If not given, If it is NOT mentioned in the submitted tender that tender is being submitted on behalf of a Sole Proprietorship firm/Partnership firm/Joint Venture/Registered Company etc., then the tender shall be treated as having been submitted by the individual who has signed the tender.	No	No	Allowed (Optional)
1.2	In case of a "Partnership Firm/Concern: Scanned copy [in PDF format] of (i) a Notarised copy of the Partnership Deed or a copy of the Partnership Deed registered with the Registrar, (ii) a notarized or registered copy of Power of Attorney in favour of the individual to tender for the work, sign the agreement etc. and create liability against the firm, (iii) an undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP. (As per format given in Annexure-VA of Tender Document) [for details please refer Clause 18 of Chapter-II of the tender document].	No	No	Allowed (Optional)
1.3	In case of a "Company": Scanned copy [in PDF format] of (i) The AOA / MOA (Article of Association/ Memorandum of Association) of the Company, (ii) Certificate of incorporation, (iii) Authorization/Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender on behalf of the company and create liability against the company . [for details please refer Clause 14 (ii) (e) of Chapter-II of the tender document].	No	No	Allowed (Optional)
1.4	In case of a "Registered Society & Registered Trust" : Scanned copy [in PDF format] of (i) Certificate of Registration, (ii) Memorandum of Association of Society/Trust Deed (iii)Power of Attorney in favour of the individual to sign the tender documents and create liability against the Society/Trust. (iv)Copy of Rules & Regulations of the Society. [for details please refer Clause 14 (ii) (g) & 17.14.5 of Chapter-II of the tender document].	No	No	Allowed (Optional)
1.5	In case of "LLP" : Scanned copy [in PDF format] of (i) LLP Agreement, (ii)Certificate of incorporation, (iii) A copy of Power of Attorney/Authorization issued by the LLP in favour of the individual to sign the tender on behalf of the LLP and create liability against the LLP, (iv) An undertaking by all partners of the LLP that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP or JV in which they were / are partners/members. Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the Standard General Conditions of Contract. (As per format given in Annexure-VA of Tender Document) [for details please refer Clause 14.ii.f of Chapter-II of the tender document].	No	No	Allowed (Optional)

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1.6	In case of a "JV Firm" : Scanned copy [in PDF format] of (i) Memorandum of Understanding (MoU) duly executed by the JV members on a stamp paper, shall be submitted by the JV alongwith the tender. The complete details of the members of the JV, their share and responsibility in the JV etc. particularly with reference to financial, technical and other obligations shall be furnished in the MoU, (ii) Power of Attorney/authorization duly Notarised by all JV constituents, in favour of the individual under whose digital signature key the tender document shall be uploaded on behalf of JV for signing the tender document on behalf of the JV [for details please refer Clause 17 of Chapter-II of the tender document].	No	No	Allowed (Optional)
1.6.1	In case one or more of the members of the JV Firm is/are Partnership Firm(s): Scanned copy [in PDF format] of (i) A Notarised copy of the Partnership Deed or a copy of the Partnership deed registered with the Registrar, (ii) A copy of consent of all the partners or individual authorized by partnership firm, to enter into the Joint Venture Agreement on a stamp paper, (iii) A notarized or registered copy of Power of Attorney in favour of the individual to sign the MOU/JV Agreement on behalf of the partnership firm and create liability against the firm, (iv)An undertaking by all partners of the partnership firm that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the bid ineligible or the contract shall be determined under Clause 62 of the Standard General Conditions of Contract (As per format given in Annexure-VA of Tender Document). [for details please refer Clause 17.14.1 of Chapter-II of the tender document].	No	No	Allowed (Optional)
1.6.2	In case one or more of the members of the JV Firm is/are Proprietary Firm or HUF: Scanned copy [in PDF format] of a notarized affidavit on Stamp Paper declaring that his Concern is a proprietary Concern and he is sole proprietor of the Concern OR he who is signing the affidavit on behalf of HUF is in the position of 'Karta' of Hindu Undivided Family (HUF) and he has the authority, power and consent given by other members to act on behalf of HUF[for details please refer Clause 17.14.2 of Chapter-II of the tender document].	No	No	Allowed (Optional)
1.6.3	In case one or more members of JV is/are Companies: Scanned copy [in PDF format] of (i) A resolutions of the Directors of the Company, permitting the company to enter into a JV agreement, (ii)MOA (Memorandum of Association) / AOA (Articles of Association) of the company, (iii)Certificate of incorporation, (iv) Authorization/copy of Power of Attorney issued by the Company (backed by the resolution of Board of Directors) in favour of the individual to sign the tender, sign MOU/JV Agreement on behalf of the company and create liability against the company . [for details please refer Clause 17.14.3 of Chapter-II of the tender document].	No	No	Allowed (Optional)

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1.6.4	In case one or more members of JV is/are LLP firm: Scanned copy [in PDF format] of (i) LLP Agreement, (ii)Certificate of Incorporation of LLP, (iii)Resolution passed by partners of LLP firm, permitting the Firm to enter into a JV agreement, (iv) Authorization /copy of Power of Attorney issued by the LLP firm (backed by resolution passed by the Partners) in favour of the individual, to sign the tender and/or sign the MOU/ JV agreement on behalf of the LLP and create liability against the LLP, (v) An undertaking by all partners of the LLP that they are not blacklisted or debarred by Railways or any other Ministry / Department of the Govt. of India from participation in tenders / contracts as on the date of submission of bids, either in their individual capacity or in any firm/LLP or JV in which they were / are partners/members. Any Concealment / wrong information in regard to above shall make the contract liable for determination under Clause 62 of the Standard General Conditions of Contract (As per format given in Annexure-VA of Tender Document) [for details please refer Clause 17.14.4 of Chapter-II of the tender document].	No	No	Allowed (Optional)
2	Scanned copy [in PDF format] of the Power of attorney duly notarized and in favour of a specific person to sign the tender, submit the tender and further deal with the tender/contract upto the stage of signing the agreement. [for details please refer Clause 15 of Chapter-II of the tender document].	No	No	Allowed (Optional)
3	Scanned copy [in PDF format] of the Declaration/Undertaking to be submitted regarding Employment /partnership of Retired Railway Employees. [for details please refer Annexure - A of Chapter-I of Tender Document and para 16 of Chapter-II of Tender document].	No	No	Allowed (Mandatory)
4	Scanned copy [in PDF format] of the (A)Details of existing commitments and balance amount of ongoing works with the tenderer and (B) Value of completed works/executed works and payment received during the current and /last three financial years immediately preceding the current financial year, upto date of inviting of tender.(Applicable for tender value more than Rs.20 crore)(for details please refer Annexure-B of Chapter-I of Tender Document).	No	No	Allowed (Optional)
5	If tender submitted on behalf of Partnership Firm, Scanned copy [in PDF format] of the relevant Annexures J-1 or J-2 of Chapter-I of Tender document as Declaration to be submitted by the tenderer along-with tender document.	No	No	Allowed (Optional)
6	Scanned copy [in PDF format] of the certificate as per the proforma enclosed vide Annexure-V of Chapter-II of the Annexed Document.	No	No	Allowed (Mandatory)
7	If tender submitted on behalf of other than Company/Proprietary firm Scanned copy [in PDF format] of the certificate as per the proforma enclosed vide V(A) of Chapter-II of the Annexed Tender Document to be submitted by the each member of a Partnership Firm/Joint Venture (JV)/Hindu Undivided Family (HUF)/Limited Liability Partnership (LLP) etc.	No	No	Allowed (Optional)
8	Scanned copy [in PDF format] of the details of the List of the Arbitration & Court cases during the last 3 years [for details please refer Annexure-C of Ch-I of Tender document].	No	No	Allowed (Optional)
9	Scanned copy [in PDF format] of the details of NEFT (in PDF format) as per Annexure F of Ch-I of the tender document.	No	No	Allowed (Mandatory)
10	TENDER FORM as per Annexure-I of Chapter-II of Annex Tender document duly signed by tenderers/tenderer.	No	No	Allowed (Optional)
11	Scanned copy [in PDF format] of the details of agency's own equipments proposed to be included [for details please refer Annexure-D(i) of Ch-I of Tender document].	No	No	Allowed (Optional)
12	Scanned copy [in PDF format] of the details of hired equipments to be included [for details please refer Annexure-D(ii) of Ch-I of Tender document].	No	No	Allowed (Optional)
13	Scanned copy [in PDF format] of the details of technical personnel of the agency, available on hand for details please refer Annexure-E(i) of Ch-I of Tender document.	No	No	Allowed (Optional)

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14	Scanned copy [in PDF format] of the details of technical personnel, proposed to be engaged by agency for details please refer Annexure-E(ii) of Ch-I of Tender document.	No	No	Allowed (Optional)
15	Scanned copy [in PDF format] of any other letters/documents etc. [if agency intends to submit]	No	No	Allowed (Optional)

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed
2	I/We have read the tender Notice [NIT] detail, Tender document along with all the conditions attached/referred to, in this tender document, and agree to abide by the said conditions.	No	No	Not Allowed
3	I/We also hereby agree to abide by the Indian Railways Standard General Conditions of Contract [GCC], with all correction slips up-to-date and to carry out the work according to the Special Conditions of Contract and specifications of materials and works as laid down by Railway as mentioned in the Special Conditions/ Specifications.	No	No	Not Allowed
4	It is certified that I am the authorised person to represent the firm and I am authorised to sign the tender and all the documents on behalf of the firm.	No	No	Not Allowed
5	It is certified that all the statement and document submitted with the offer are true and correct.	No	No	Not Allowed
6	It is certified that we are aware of the fact that this tender offer is made in the full understanding that our offer will be subjected to verification of all the information submitted with this tender.	No	No	Not Allowed
7	We are aware of the fact that the railway reserve the rights to amend the scope and value of the contract and to reject [or accept] this offer without assigning any financial liability.	No	No	Not Allowed

6. Documents attached with tender

S.No.	Document Name	Document Description
1	TenderDocument_compressed.pdf	Tender Document

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.

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: HEMANT KUMAR

Designation : Dy.CE/CON/JMP