CPM/GSU/PRYJ acting for and on behalf of The President of India invites E-Tenders against Tender No **GSU-23** Closing Date/Time 15/12/2026 15:30 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	Up gradation of existing shed & Creation of advance maintenance center for TM Overhauling and assembling of Motorized wheel set at TMS/CNB at Kanpur area in Prayagraj Division of North Central Railway.		
Bidding type	Normal Tender		
Tender Type	Open	**Bidding System**	Two Packet System
Tender Closing Date Time	15/12/2026 15:30	**Date Time Of Uploading Tender**	18/11/2026 15:35
Pre-Bid Conference Required	No	**Pre-Bid Conference Date Time**	Not Applicable
Advertised Value	156422792.77	**Tendering Section**	GSU/PRYJ
Bidding Style	Single Rate for Each Schedule	**Bidding Unit**	
Earnest Money (Rs.)	3128500.00	**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	01/12/2026		
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)
Zonal Contract	No	**Bids to be obtained**	Inclusive of GST
Composite Tender	Yes (Electrical, Engineering)	**PVC Applicable**	Yes

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule 1 (Engineering) - DSR 2023							134072614.87	Above/ Below/Par
1	Please see Item Breakup for details.				134072614.87	AT Par	134072614.87	
	Description:- DSR 2023 Items							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A (Engineering) - NS item							158290.00	Above/ Below/Par
1	1	20.00	Each	7914.50	158290.00	AT Par	158290.00	
	Description:- Providing 24''dia turbo vents on the roof of 2300 CFM Capacity (LOA of AGC Div. No. 281-W/1248/576 dated 21-08-2018)							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B (Engineering) - IRUSSOR 2021							1468123.68	Above/ Below/Par
3	Please see Item Breakup for details.				1468123.68	AT Par	1468123.68	
	Description:- IRUSSOR 2021							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule C (Electrical) - Electrical General							20723764.22	Above/ Below/Par
4	Please see Item Breakup for details.				20723764.22	AT Par	20723764.22	
	Description:- Electrrical General							

3. ITEM BREAKUP

Schedule	Schedule 1-DSR 2023					
Item- 1	DSR 2023 Items					
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	1.1.18	Disposal of moorum/building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-charge.	cum	150	494.1	74115
	2.0	EARTH WORK				
	2.1S	General				
	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.				
2	2.6.1	All kinds of soil	cum	350	177.5	62125
	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.				
3	2.8.1	All kinds of soil.	cum	480	260.3	124944
4	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	200	196	39200
5	2.25A	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	cum	1500	700.5	1050750
	2.28	Surface dressing of the ground including removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.				
6	2.28.1	All kinds of soil	Sqm	1000	34.15	34150
	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 :				
7	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	150	7294.7	1094205
8	4.1.6	1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	775	7178.75	5563531.25
	4.10S	DAMP-PROOF COURSE				
9	4.10	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 12.5mm nominal size derived from natural sources)	Sqm	100	410.85	41085
	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 :				
10	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	150	9045.75	1356862.5
	5.9S	FORM WORK				
	5.9	Centering and shuttering including strutting, propping etc. and removal of form for				
11	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete	Sqm	1650	392.15	647047.5
12	5.9.2	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	Sqm	750	842.5	631875
13	5.9.3	Suspended floors, roofs, landings, balconies and access platform	Sqm	350	927.25	324537.5
14	5.9.4	Shelves (Cast in situ)	Sqm	15	927.25	13908.75
15	5.9.5	Lintels, beams, plinth beams, girders, bressummers and cantilevers	Sqm	2500	736.4	1841000
16	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	900	961.3	865170
	5.9.16	Edges of slabs and breaks in floors and walls				
17	5.9.16.1	Under 20 cm wide	Metre	900	208.55	187695
	5.11	Extra for additional height in centering, shuttering where ever required with adequate bracing, propping etc., including cost of de-shuttering and decentering at all levels, over a height of 3.5 m, for every additional height of 1 metre or part thereof (Plan area to be measured).				
18	5.11.1	Suspended floors, roofs, landing, beams and balconies (Plan area to be measured)	Sqm	50	384.3	19215
	5.22S	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.				
19	5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	20000	107.85	2157000
	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
20	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	25000	107.85	2696250
	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				
21	5.33.1.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	75	9504.75	712856.25
22	5.33.1.2	Concrete of M30 grade with minimum cement content of 350 kg /cum	cum	350	9655.7	3379495

	5.33.2	All works above plinth level upto floor V level				
23	5.33.2.1	Concrete of M25 grade with minimum cement content of 330 kg /cum	cum	565	9860.4	5571126
24	5.33.2.2	Concrete of M30 grade with minimum cement content of 350 kg /cum	cum	500	10011.35	5005675
25	5.33.2.3	Concrete of M35 grade with minimum cement content of 370 kg /cum	cum	300	10162.35	3048705
	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:				
26	6.1.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	100	7370.65	737065
27	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	900	7132.25	6419025
	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 :				
28	6.4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	300	9344.35	2803305
29	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	1050	9105.95	9561247.5
	8.0	CLADDING WORK				
	8.1S	General				
	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				
	8.2.2	Granite stone slab colour black, Cherry/Ruby red				
30	8.2.2.1	Area of slab upto 0.50 sqm	Sqm	80	5413.5	433080
31	8.2.2.2	Area of slab over 0.50 sqm	Sqm	100	5136.3	513630
	8.20S	STONE WORK DRY CLADDING				
32	8.31	Providing and fixing Ist 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	500	1267.95	633975
	9.0	WOOD AND P.V.C. WORK				
	9.1S	FRAMES AND TRUSSES				
	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately).				
33	9.1.2	Sal wood	cum	2	116520.3	233040.6
	9.20	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.				
34	9.20.2	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	50	3167.95	158397.5

	9.105S	GYPSUM BOARD PARTITIONS				
	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.A4	Three track three panels sliding window with two glazed & one wire mesh panels with Aluminium channel for roller track, wool pile, nylon rollers with SS 304 body.				
35	9.147.A4.1	Using R2 series with frame (70 mm & above) x (40 mm & above) & both glazed and fly screen sash (25 mm & above) x (50 mm & above) with zinc alloy (zamak) powder coated touch locks with hook. (Height upto 1.2 metre).	Sqm	50	10993.55	549677.5
	9.147.C1	Fixed window / ventilator without mullion / transom.				
36	9.147.C1.1	Using R1 series with frame (33mm & above) x (35mm & above). (Height upto 0.90 meter)	Sqm	15	8247.25	123708.75
	10.0	STEEL WORK				
	10.1S	General				
37	10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	110000	117.35	12908500
38	10.2	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	140000	133.7	18718000
	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				
39	10.16.1	Hot finished welded type tubes	Kg	25000	194.4	4860000

40	10.18	Providing and fixing circular/ Hexagonal cast iron or M.S. sheet box for ceiling fan clamp, of internal dia 140 mm, 73 mm height, top lid of 1.5 mm thick M.S. sheet with its top surface hacked for proper bonding, top lid shall be screwed into the cast iron/ M.S. sheet box by means of 3.3 mm dia round headed screws, one lock at the corners. Clamp shall be made of 12 mm dia M.S. bar bent to shape as per standard drawing.	Each	50	220.65	11032.5
41	10.19	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	Kg	40	97.2	3888
42	10.20	Providing and fixing bolts including nuts and washers complete.	Kg	2800	159.35	446180
43	10.28	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, including fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	Kg	800	772.4	617920
	11.0	FLOORING				
	11.1S	General				
44	11.5	62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 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 manufacture's specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	Sqm	1500	1056.15	1584225
	11.26S	KOTA STONE FLOORING				
	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :				
45	11.26.1	25 mm thick	Sqm	650	1948.25	1266362.5
	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.				
46	11.41.2	Size of Tile 600x600 mm	Sqm	3000	1553.45	4660350

	11.55	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge :				
47	11.55.1	Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	Sqm	150	3186.7	478005
	12.0	ROOFING				
	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.				
48	12.41.2	110 mm diameter	Metre	150	377.4	56610
	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.				
	12.42.5	Bend 87.5 degree				
49	12.42.5.2	110 mm bend	Each	45	150.35	6765.75
	12.42.6	Shoe (Plain)				
50	12.42.6.2	110 mm Shoe	Each	45	131.85	5933.25
	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.				
51	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	800	1401.35	1121080
52	12.47.2	2 mm thick flat	Sqm	600	1245.65	747390
53	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	5500	738.65	4062575

	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 :				
54	12.51.1	Ridges plain (500 - 600mm)	Metre	600	532.35	319410
	13.0	FINISHING				
	13.1S	CEMENT PLASTER (IN FINE SAND)				
	13.1	12 mm cement plaster of mix :				
55	13.1.1	1:4 (1 cement: 4 fine sand)	Sqm	2000	347.05	694100
56	13.1.2	1:6 (1 cement: 6 fine sand)	Sqm	4500	333.35	1500075
	13.2	15 mm cement plaster on the rough side of single or half brick wall of mix :				
57	13.2.2	1:6 (1 cement: 6 fine sand)	Sqm	4200	383	1608600
	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 :				
58	13.7.2	1:4 (1 cement: 4 fine sand)	Sqm	100	425.55	42555
	13.44S	EXTERIOR FINISHING				
	13.48	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications :				
59	13.48.1	Two or more coats applied on walls @ 1.25 ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr /10 sqm	Sqm	5000	193.7	968500
60	13.48.2	Painting wood work with Deluxe Multi Surface Paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture	Sqm	100	176.25	17625
61	13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/10 sqm of approved brand and manufacture	Sqm	950	170.7	162165
	14.0	REPAIRS TO BUILDING				
	14.75AS	ROUTINE MAINTENANCE WORK				
62	14.79	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	Each	10	433.75	4337.5
63	14.81	Cutting holes of required size in brick masonry wall for fixing of exhaust fan including providing and fixing 300 mm dia PVC pipe conforming BIS-12818 and making good the same etc. complete as per direction of Engineer-in-charge.	Each	30	288.1	8643

	14.90	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer, 3 mm thick water proofing membrane, black finished reinforced with glass fibre matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 litre/sqm by the same membrane manufactured of density at 25 degreeC, 0.87 - 0.89 kg/litre and viscosity 70 - 160 cps. Over the primer coat the layer of membrane shall be laid using butane torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23 degreeC as 350/300 N/5 cm. Tear strength in longitudinal and transverse direction as 60/80N. Softening point of membrane not less than 150 degreeC. Cold flexibility shall be upto -2 degreeC when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane :				
64	14.90.1	3 mm thick	Sqm	3500	537.45	1881075
	15.0	DISMANTLING AND DEMOLISHING				
	15.1S	General				
	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
65	15.2.1	Nominal concrete 1:3:6 or richer mix (including equivalent design mix)	cum	200	2434.25	486850
66	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	300	3551.25	1065375
	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.				
67	15.7.2	In lime mortar with old mughal bricks	cum	250	1783.35	445837.5
68	15.7.4	In cement mortar	cum	350	2060.2	721070
	15.9	Demolishing stone rubble masonry 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 :				
69	15.9.1	In lime mortar	cum	75	1158.1	86857.5
70	15.9.2	In cement mortar	cum	79.22	2458.95	194798.02
	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
71	15.12.1	Of area 3 sq. metres and below	Each	50	367.2	18360
72	15.12.2	Of area beyond 3 sq. metres	Each	50	502.75	25137.5
73	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	5000	5.65	28250
	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
74	15.23.1	For thickness of tiles 10 mm to 25 mm	Sqm	500	73.4	36700
75	15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	600	266.45	159870

	15.28	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:				
76	15.28.1	G.S. Sheet	Sqm	1500	164.95	247425
77	15.28.2	Asbestos Cement sheet	Sqm	1000	77.3	77300
78	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	2000	54.65	109300
79	15.57	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge.	Sqm	500	56.35	28175
80	15.58	Demolishing R.C.C. work by mechanical means and stockpiling at designated locations and disposal of dismantled materials up to a lead of 1 kilometre, stacking serviceable and unserviceable material separately including cutting reinforcement bars.	cum	310	2818.9	873859
81	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	cum	500	263.95	131975
	16.0	ROAD WORK				
	16.49S	MISCELLANEOUS				
82	16.69	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of Engineer-in-charge (length of finished kerb edging shall be measured to calculate volume for payment). (Precast C.C. kerb stone shall be approved by Engineer-in-charge).	cum	25	10117.6	252940
83	16.75	Providing and laying C.C. pavement of mix M-25 with ready mixed concrete from batching plant. The ready mixed concrete shall be laid and finished with screed board vibrator , vacuum dewatering process and finally finished by floating, brooming with wire brush etc. complete as per specifications and directions of Engineer-in-charge. (The panel shuttering work shall be paid for separately).	cum	375	9823.8	3683925
	16.78	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.				
84	16.78.2	With material conforming to Grade-II (size range 53 mm to 0.075 mm) having CBR Value-25	cum	610	2924.85	1784158.5

	16.91	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge.				
85	16.91.2	80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	Sqm	150	1091.5	163725
	17.0	SANITARY INSTALLATIONS				
	17.1S	General				
	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:				
86	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	Each	10	6767.4	67674
	17.4	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm and 340x410x265 mm sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
87	17.4.1	One urinal basin with 5 litre white P.V.C. automatic flushing cistern	Each	10	6258.75	62587.5
88	17.7A	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:-(a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	Each	10	3960.55	39605.5
	17.10	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :				
	17.10.2	Kitchen sink without drain board				
89	17.10.2.2	610x460 mm bowl depth 200 mm	Each	5	3873.8	19369
	18.0	WATER SUPPLY				
	18.7S	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.				
90	18.8.1	15 mm nominal dia Pipes	Metre	200	497.8	99560

91	18.8.2	20 mm nominal dia Pipes	Metre	200	537.6	107520
	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				
92	18.9.3	25 mm nominal dia Pipes	Metre	50	355.4	17770
93	18.9.6	50 mm nominal dia Pipes	Metre	500	794.25	397125
94	18.9.8	80 mm nominal dia Pipes	Metre	100	2166.35	216635
	18.10	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. (Internal work - Exposed on wall)				
95	18.10.6	50 mm dia nominal bore	Metre	100	1048.35	104835
	18.11	Providing and fixing G.I. Pipes complete with G.I. fittings and clamps, including making good the walls etc. concealed pipe, including painting with anti corrosive bitumastic paint, cutting chases and making good the wall :				
96	18.11.1	15 mm dia nominal bore	Metre	10	580.45	5804.5
	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
97	18.12.6	50 mm dia nominal bore	Metre	150	762.15	114322.5
98	18.12.8	80 mm dia nominal bore	Metre	100	1041.7	104170
	18.15S	BRASS FITTINGS				
	18.15	Providing and fixing brass bib cock of approved quality :				
99	18.15.1	15 mm nominal bore	Each	20	353.25	7065
	18.17	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
100	18.17.4	50 mm nominal bore	Each	10	1026.65	10266.5
101	18.17.6	80 mm nominal bore	Each	5	2604.55	13022.75
	18.18	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :				
102	18.18.3	25 mm nominal bore	Each	10	464.05	4640.5
	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
	18.21.2	45 cm length				
103	18.21.2.1	15 mm nominal bore	Each	10	97.75	977.5
	18.31S	C.I. SLUICE VALVES/ FIRE HYDRANTS & FIXTURES				
104	18.48A	Providing and fixing rectangular high density polyethylene water storage loft tank with cover, conforming to ISI : 12701, colour of opaque white or as approved by Engineer-in-charge. The rate includes making necessary holes for inlet, outlet & over flow pipes. The base support including fittings & fixtures for tank shall be paid separately.	Per Litre	5000	11	55000
	18.59S	AIR VALVE & WATER METER (BULK TYPE)				
	18.62	Providing and fixing PTMT Ball cock of approved quality, colour and make complete with Epoxy coated aluminium rod with L.P./ H.P.H.D. plastic ball.				
105	18.62.1	15 mm nominal bore, 105 mm long, weighing not less than 138 gms	Each	10	182.1	1821
	19.0	DRAINAGE				
	19.1S	STONE WARE PIPES AND FITTINGS				

	19.1	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete :				
106	19.1.4	250 mm diameter	Metre	100	1505.6	150560
	19.6	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
107	19.6.4	300 mm dia. R.C.C. pipe	Metre	150	994.3	149145
108	19.6.7	600 mm dia. R.C.C. pipe	Metre	150	2243.4	336510
	22.0	WATER PROOFING				
	22.1S	General				
109	22.5	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying :(a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours.(b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	200	617.05	123410
	22.14	Grading roof for water proofing treatment with				
110	22.14.3	Cement mortar 1:4 (1cement : 4 coarse sand)	cum	200	15155.6	3031120
	23.0	RAIN WATER HARVESTING & TUBEWELLS				
	23.1S	General				
	23.1	Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level.				
	23.1.1	All types of soil				
111	23.1.1.1	300 mm dia	Metre	50	707.75	35387.5
	23.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge.				
112	23.3.2	150 mm nominal size dia	Metre	50	793.25	39662.5
	23.4	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.				
113	23.4.2	150 mm nominal size dia	Metre	50	807.45	40372.5
	26.0	NEW TECHNOLOGIES AND MATERIALS				
	26.73S	PREFAB/PRECAST TECHNOLOGY				

	26.86	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Ceosetory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm2, modulus of elasticity 900 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In-Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately).				
114	26.86.3	Frame size 50 x 100 mm	Metre	200	947.7	189540
	26.87	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge.				
115	26.87.1	30 mm thick	Sqm	100	4346.7	434670
					Total	**134072614.87**

Schedule	Schedule B-IRUSSOR 2021
Item- 3	IRUSSOR 2021

S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
		Earthwork in filling in embankment, guide bunds, around buried type abutments, bridge gaps, trolley refuges, platforms etc. with contractor's own earth conforming to Soil Quality Class SQ1/SQ2/SQ3, after preparation of foundations as applicable, benching in existing banks wherever required, spreading in layers with motor grader, bringing the moisture content to OMC, mechanical compaction to specified density and dressing of bank to final profile as per RDSO Specifications: RDSO/2020/GE: IRS-0004 with latest correction slips. Note: 1) Foundation preparation, Benching including additional earthwork on account of this, wherever required, shall be paid extra under relevant schedule item for benching. 2) Payment for Earthwork under this item shall be made based on the cross section measurements calculated (i) with original ground profile of existing bank based on initial ground levels before doing benching and (ii) final profile of the bank worked out with final levels as per prevailing guidelines.				
1	011032	Using Soil Class SQ2	cum	1000.00	318.74	318740.00

2	012050	Mechanical manufacturing and supply of blanketing material by using only hard and durable stone crushed in mechanical crusher to different gradations, wet mixing of the same in designed proportion in Pug mill or wet mix plant to have uniform gradation as per RDSO Specification No. RDSO/2020/GE: IRS-0004 with latest correction slips including transportation to nominated place and stacking. Note: 1.This item shall be used only when entire constituent of blanketing material is mechanically manufactured by crushing of hard and durable stone into desired gradation(s) in designed proportion to meet prescribed Specification. 2. Measurement shall be done as per Stack measurement.	cum	480.00	1502.78	721334.40
		Pulling & positioning of rails accurately on cess including supporting rails, providing required gap and squaring at ends for renewal preparation, as directed by Engineer in-charge.				
3	061012	More than 40 m long rail panel	RM	600.00	13.41	8046.00
		25mm gap Cess Welding and finishing of weld to meet the prescribed tolerances and pass all stipulated tests with Contractor's labour, materials, consumables, tools, equipments etc. to complete the work in all respect as per IR's "Manual for Fusion Welding of Rails by Alumino - Thermic Process" with latest correction slips, including all required handling and rehandling of rails, marking of welded joint, painting weld collar with anticorrosive paint, as directed by Engineer in charge. Note: 1. Welding shall be carried out only by trained welder having valid competency certificate using RDSO approved Alumino Thermit Welding Portions, 3 piece prefabricated mould (Zircon washed) manually pressed, Single shot crucible fitted with auto tapping thimble and Compressed Air Petrol/LPG preheating technique as per RDSO Specification No IRST/19-2020 with latest amendment. 2. Hydraulic Weld trimmer shall be used for chipping and profile Grinder for finishing.				
4	092042	For 60 Kg/60EI - R260 grade Rail	Each	20.00	3357.61	67152.20
5	123030	Spreading of ballast, from existing stacks available along formation on top or at cess, in required uniform thickness, compaction of ballast layer laid on new formation at all the locations with smooth wheeled power roller of 8-10 tonne capacity to sufficient number of passes to form consolidated ballast bed of approximately 250mm thickness to a width of 4m symmetrical to centre line of proposed track in correct line & level with all ascents & descents, as directed by Engineer in-charge. Note: Item is inclusive of (a) providing ramp for taking roller to formation and removing the same & making good formation after completion of work; (b) redistribution & leveling of excess ballast while rolling to obtain uniform plane cambered surface.	cum	530.00	45.58	24157.40

		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.				
6	123042	For sleeper density of 1540 sleepers per km	TRM	300.00	240.15	72045.00
		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.				
7	137011	For 60 Kg Rails	RM	600.00	53.30	31980.00
		Carrying out USFD testing of Alumino Thermic (AT) welds on all types of rails, using 0° (2 MHz) double crystal; 70° (2 MHz) 20mm x 20mm single crystal probe for head & flange testing; 2 nos. 45° (2 MHz) single crystal with tandom rig for testing from rail top to bottom & for half moon testing and 70° (2 MHz) 20mm x 20mm side looking probe by NBC (Need Based Concept) method under traffic conditions as per provisions of IR's "Manual & Specifications for Ultrasonic Testing of Rails and Welds" & related instructions duly marking the defects, submission of daily reports and storing back-up data as specified & directed. The rates are inclusive of contractor's men, materials & machines complete unless otherwise specified and directed.				
8	142012	Track having more than 3 Rail panels - With Contractor's USFD machine.	Each	20.00	170.23	3404.60
		Quick cutting with abrasive rail cutter of all types of rail sections including wear resistant, head hardened rails up to 110 UTS, with contractors tools & plants, equipment, consumable with all lead & lift etc. complete as directed by Engineer in-charge. Abrasive Rail Cutter will be as per RDSO Specification No. TM/SM/1 (Rev. 01 of 2012) with latest status of RDSO; Rail Cutting Wheel Abrasive Disc will be as per RDSO Specification No.TM/SM/2 (Rev. 01 of 2020)				
9	161011	60 Kg - 110/90 UTS - Outside Track	Each	10.00	258.52	2585.20
		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.				
10	161041	Outside Track	Each	300.00	47.01	14103.00

		Loading of rails of any section and length up to 13 metres in Wagons / Truck / trailer including lead up to 50 metres and lift up to 5 metres.				
11	171014	I n Wagon where mechanical handling is possible and traffic block is not required or in Truck/trailer.	MT	37.00	116.79	4321.23
		Unloading of rails of any section and length up to 13 metre, in neat manner for Railway usage from departmental material train (DMT) or contractor's / Railway's Truck/trailer including lead up to 50 metre, lift up to 5 metre and stacking in prescribed manner.				
12	171053	From Wagon where mechanical handling is possible and traffic block is not required or in Truck / trailer.	MT	37.00	86.39	3196.43
		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.				
13	172014	I n Wagon where mechanical handling is possible and traffic block is not required or in Truck / trailer	MT	141.00	90.70	12788.70
		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.				
14	172047	Lead beyond 100 Km and up to 150 Km	MT	3.00	934.02	2802.06
		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.				
15	172057	Lead beyond 100 Km and up to 150 Km	MT	200.00	827.65	165530.00
		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.				
16	172063	From Truck / Trailer	MT	141.00	84.43	11904.63
		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 of track(s) wherever necessary as directed by Engineer-in-Charge.				
17	173031	Rails, switches, crossings, SEJ, Glued Joints, Check Rails etc.	MT	5.00	351.11	1755.55
18	173032	All type of PSC sleepers	MT	5.00	383.69	1918.45

19	173033	P.Way fittings of all types and other similar loose items	MT	1.00	358.83	358.83
					Total	**1468123.68**
Schedule	Schedule C-Electrical General					
Item- 4	Electrrical General					
S No.	**Item No**	**Description of Item**	**Unit**	**Qty**	**Rate**	**Amount**
1	1	Wiring for circuit / sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required. 2 x 4 sq. mm+ 1 x 4 sq. mm earth wire.	Metre	7000.00	373.00	2611000.00
2	2	Wiring for circuit / sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required. 2 x 6 sq. mm+ 1 x 6 sq. mm earth wire.	Metre	3500.00	482.00	1687000.00
3	3	Wiring for circuit / sub main wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/recessed PVC conduit as required. 2 x 10 sq. mm+ 1 x 10 sq. mm earth wire.	Metre	3000.00	614.41	1843230.00
4	4	Wiring for light/power plug with 2x4 sq.mm FRLS PVC insulated copper conductor single core cable insurface/recessed medium class PVC conduit, along with 1 No. 4 sq.mm FRLS PVC insulated copper conductor single core cable for loop earthing as required.	Point	1100.00	480.00	528000.00
5	5	Supply, Erection, Testing and Commissioning of following Modular Type switch 10 A (1-way) complete in all respect. Inspection by-Consignee.	Numbers	580.00	68.33	39631.40
6	6	Supply, Erection, Testing and Commissioning of following Modular type Plug socket outlet 2/3 Pin 10 A complete in all respect. Inspection by-Consignee.	Numbers	180.00	117.41	21133.80
7	7	Supply, Erection, Testing and Commissioning of following Modular Type switch 20 A (1-way) complete in all respect. Inspection by-Consignee.	Numbers	110.00	144.87	15935.70
8	8	Supply, Erection, Testing and Commissioning of following Modular type Plug socket outlet 5/3 Pin 20 A complete in all respect. Inspection by-Consignee.	Numbers	110.00	167.58	18433.80
9	9	Supply, Erection, Testing and Commissioning of following Modular type step type Electronic Fan Regulator complete in all respect. Inspection by-Consignee.	Numbers	60.00	236.45	14187.00
10	10	Supply and Erection of Modular type switch blanking set to fill the blank space White finished mounting cover plate complete in all respect. Inspection by-Consignee.	Numbers	15.00	8.59	128.85
11	11	Supply and Erection of Junction Box cover POP type complete in all respect including hardware material for fixing. Inspection by-Consignee.	Numbers	300.00	5.95	1785.00
12	12	Supply and Erection of white finish single mounting cover plate with base frame suitable 3 module suitable for mounting of Modular type piano switches/ plug Socket, fan regulator and connection to wiring. Inspection by-Consignee.	Numbers	20.00	75.75	1515.00
13	13	Supply and Erection of white finish single mounting cover plate with base frame suitable 8 module suitable for mounting of Modular type piano switches/ plug Socket, fan regulator and connection to wiring. Inspection by-Consignee.	Numbers	60.00	160.02	9601.20
14	14	Supply and Erection of white finish single mounting cover plate with base frame suitable 12 module suitable for mounting of Modular type piano switches/ plug Socket, fan regulator and connection to wiring. Inspection by-Consignee.	Numbers	60.00	231.03	13861.80

15	15	Supply and Erection of Modular Metal boxes concealed Boards suitable for mounting of 3 module white finish single mounting cover plate with Frame and Modular type piano switches/ plug Socket, fan regulators. Metal board boxes are to be concealed in wall. Inspection by-Consignee.	Numbers	20.00	49.69	993.80
16	16	Supply and Erection of Modular Metal boxes concealed Boards suitable for mounting of 8 module white finish single mounting cover plate with Frame and Modular type piano switches/ plug Socket, fan regulators. Metal board boxes are to be concealed in wall. Inspection by-Consignee.	Numbers	60.00	87.12	5227.20
17	17	Supply and Erection of Modular Metal boxes concealed Boards suitable for mounting of 12 module white finish single mounting cover plate with Frame and Modular type piano switches/ plug Socket, fan regulators. Metal board boxes are to be concealed in wall. Inspection by-Consignee.	Numbers	60.00	140.13	8407.80
18	18	Supply and Installation of Ceiling rose 3 plate as per IS No. 371/1999 (Latest Version) including connections, Testing and commissioning as per Tech. Specification. Inspection by-Consignee.	Numbers	350.00	16.58	5803.00
19	19	Supplying, Installation, Testing & Commissioning of LED surface mounted Batten light of following body material and construction as per IS : 10322 with driver (Replaceable) as per the requirement withDriver efficiency >85%, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range -5 °C to 40 °C, internal surge protection of 2.5 KV with Short & Open circuit protection, THD < 10%, P.F.0.95, IP20, CRI >80, Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends, CCT 3000°K / 4000°K / 5700°K /6500°K (As per ANSI Bin), SDCM(Standard Deviation Colour Matching) <3, Maximum power consumption should not more than the specified rating andFixture shall be of relevant BIS standard.Manufactures Word Mark/ Name Engraved/Embossing/ Screen printing on housing. completein all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumenefficacy 105 <120 lm/Watt output . LM79 & LM80 Test report and all testing required for LED fixtures as per BIS shall be submitted. Shape size and CCT shall be as approved by Engineer-in-Charge as per requirement. (Thermal management:heat sink of aluminium housing such that LED junction temperature shall not rise above 90°C).18- 22 Watt	Numbers	400.00	681.00	272400.00
20	20	Supply, fixing, testing, connecting and commissioning of feeder pillar with 01 no. 250A 04 pole MCCB for incoming and 25 nos s.p. 63A MCB for outgoing as per IS: 60947:2/as per relevant specification. Inspection by-Consignee.	Numbers	4.00	18330.46	73321.84
21	21	Termination of LT XLPE cables of various sizes (One Job means all 4 cores of cables)	Job	79.00	130.36	10298.44
22	22	Supply and laying of B class, 50 mm dia, GI pipe of for cable riser/road crossing as required and as per relevant technical specification. Inspection by-Consignee.	Metre	300.00	135.53	40659.00

23	23	Collecting, Transporting from SSE/GSU/store to site, laying, testing, and commissioning of above LT cable . Laying direct in ground (Including excavation, sand cushioning, protection brick covering and refilling the trench etc.), direct in RCC/Metal pipes in rod/track crossings and on surface/required in wall/in concrete floor by cutting recessed and finished originally as required as per relevant technical specifications.	Metre	6000.00	71.23	427380.00
24	24	Drilling of bituminous road/track and laying charges of cable in road crossing for laying 110 mm dia HDPE pipe through it.	Metre	2000.00	306.87	613740.00
25	25	Supply and laying of HDPE Pipes (Upto PN 8.0 Pressure Rating Material Grade: PE 63, Pressure Rating: PN 8.0, Nominal Dia(mm): 110) as per IS-4984:2016 suitable for HT/LT XLPE cable & as required and as per relevant technical specification. Inspection by-Consignee.	Metre	2000.00	264.00	528000.00
26	26	Supply, replacement, fixing, testing, connecting and commissioning of 72 Watt or above LED street lights fittings as per IS:10322. LED Luminaries:-(1) A complete LED lighting unit consisting of a light source and potted driver IP-65 together with parts of distribute lights, to position and protect the light source,and to connect the light source to a branch circuit.The light source itself may be an LED array and LED module, or an LED lamp. (2):-Supplied LED luminaries shall confirm to IS:16101(2012) IS :16106 (2012). Light Source(LED) in the Luminaries should be of make:- (1):-NICHIA/ CREE/OSRAM/ SEOUL/ PHILIPS/ LUMILEDS /LEDNIUM. (2):-LEDs to IS:16105 (2012). IS:16108(2012), IEC:62471.Type LED:- High power LED, SMD(Surface Mounting device)/COB (Clip on board). 1.Input operating voltage :- 105-295 V AC.2:- Normal Voltage-220V AC,3.Driver type: constant current driver with short circuit protection. 4.LED life:- >=50000 burning hours. 5.Depreciation:- 30% max. after 50000 burning hours. 6.Control of distribution:- Full cut off. 7.Surge protection: 4KV. 8.Drive component :Industrial grade only. 9.Efficiency of driver electronic: >= 85%. 10.Beam angle:>=140 degree along with road and >=80 degree across the road. 11.Colour temperature: 5000-6500K. 12.Colour rendering index(CRI):>=75.13.Ingress protection :IP66. 14.System Lumen efficacy: >=120 lumens/watt.15.Power factor:- >=0.95. 16.Total harmonics distortion(THD):-<15%.17. Lamp cover : Toughened glass or UV stabilised poly carbonate. 18.Finishing:Power coated /Anodized. 19.Secondry optics:poly carbonate reflector/ poly carbonates lens. 20.Construction of housing: extruded aluminum/CRCA/Pressure die cast aluminum. 21.Mounting:Suitable for existing pole/Truss/ Lantern mounted. 22. Certificate:Firm to submit LM80 (In respect of LED used)& LM79(In respect of luminare used) test certificate from National/International accredited Laboratory and OEM certificate for compliance of BIS/IEC. 23.Warranty: Firm to submit warranty certificate for five year along with the supply. All fittings shall be fitted with new suitable bend/elbow with clamp and proper nut and bolt and connection with twisted twin flexible cord of minimum size 16/1 mm copper conductor as per relevant technical specification. Materials parameters must remain unchanged during entire warranty period. Inspection by-Consignee.	Numbers	90.00	1920.00	172800.00

27	27	Supply, Installation, Testing and Commissioning of 1200 mm sweep, BEE 5 star rated, ceiling fan with Brush Less Direct Current (BLDC) Motor, class of insulation: B, 3 nos. blades, 30 cm long down rod, 2 nos. canopies, shackle kit, safety rope, copper winding, Power Factor not less than 0.9, Service Value (CM/M/W) minimum 6.00, Air delivery minimum 210 Cum/Min , 350 RPM (tolerance as per IS : 374-2019), THD less than 10%, remote or electronic regulator unit for speed control and all remaining accessories including safety pin, nut bolts, washers, temperature rise=75 degree C (max.), insulation resistance more than 2 mega ohm, suitable for 230 V, 50 Hz, single phase AC Supply, earthing etc. complete as required. Inspection by-Consignee.	Numbers	60.00	2882.00	172920.00
28	28	Supply, erection, testing, connecting & commissioning of 20 meter high mast system complete with all accessories 16 nos. luminaries of 200W LED each Light, including making of foundation as per recommendation of manufactures along with required materials for making of foundation and with feeder pillar including all accessories. 20 M high mast with its accessories Mast shaft shall be hot dip galvanized (Single dip) comprising of polygonal pole and welded base plate hot dip galvanized head frame with clamps, nuts & bolts for fixing sixteen luminaries and CG box etc. (01 Job) A rising & lowering mechanism with winch Lenten carriage head frame, SS wire, Rope cable & power tools with 1.5 HP motor. (1 Job). Supply, erection, testing, connecting and commissioning of 16 nos. luminaries of 200W LED including all accessories. (01Job). Supply of M30 foundation bolts of size-850 mm manufactured from special steel C/W nuts, washers anchor plates & template for above mast including earthing arrangement with electrode of 40 mm dia ""B"" class GI pipe of 3.0 mtrs long as per Drg. No. Sr DEE/G/ALD 10/94. (01 Job). Construction of suitable shallow foundation with M20 grade concrete for 20M high mast considering the SBC as 10/T sqmtr at 2 mtr depth with all materials & labour (01 Job). Supply of twin dome aviation observation light with 2 Nos LED array lamp. (01 set) Supply & installation of separate control panel in front of feeder pillar housing suitable control circuit with timer & AVR for the operation of the mast. It shall also consist of suitable control for the power tool motors with suitable foundation. Inspection by-RITES.	Numbers	1.00	593591.52	593591.52
29	29	Supply, fixing, testing, connecting and commissioning of 300 mm sweep Exhaust Fan suitable for 230 volts, 50 Hz AC supply, 1400 RPM heavy duty with wiring and flexible PVC pipe as required. Inspection by-Consignee.	Numbers	10.00	1516.46	15164.60
30	30	Supply, fixing, testing, connecting and commissioning of 750 mm heavy duty wall mounted air circulator Fan suitable for 230 volts, 50 Hz - ACsupply, >=1400 RPM, with wiring in flexible PVC pipe as required. Inspection by-RITES.	Numbers	40.00	6857.47	274298.80

31	31	Design, manufacture, supply, erection, testing & commissioning of LT switch gear panel board of 2mm thick dia pressed CRC steel sheet for frame work, enclosure and doors ,3 mm thick for gland plates with stiffeners wherever required, having vibration free structure chemically treated with seven tank process before painting for surface treatment and powder coated, with suitable electrolytic grade high conductivity Aluminum busbar extensible type, DMC/SMC bus bar supports, suitable for 3 phase 415 V 50 HZ AC supply. LT Panel configurations offered shall be CPRI tested. ..... Incoming Motorized MCCB 400A 36Ka 4P with in built mccb protection of Over load, Short Ciruit, Earth Faultwith ,auxiliary contacts, connector, shunt & under voltage, spreader & extended handles with power supply.	Numbers	16.00	15629.08	250065.28
32	32	MCCB 250A 36Ka 4P with in built mccb protection of Overload, Short Ciruit,Earth Fault with, auxillary contacts, connectors shunt & under voltage, spreader & extended handles with power supply .	Numbers	16.00	10429.43	166870.88
33	33	MCCB 160A 36Ka 4P with inbuilt mccb protection of Overload, Short Ciruit, Earth Fault with, auxillary contacts, connectors shunt & under voltage, spreader & extended handles with power supply .	Numbers	32.00	6914.71	221270.72
34	34	Supply of Indicator lamps with suitable holder.	Numbers	192.00	89.71	17224.32
35	35	Supply, fixing, testing, connecting and commissioning of Outgoing/Feeder Panel Mounted Multi-function meter with Accuracy Class 1 as per IEC 62053-21 or Class 0.5, 0.5S as per IEC 62053-22.LED meter Cl 1 with RS485: Meter should have following features built-in LED • Flush mounting 96 x 96 mm • True RMS measurement • Password protection provision for security • Site selectable for 3 Phase 4 wire, 3 Phase 3 wire, 1 Phase, CT Secondary 1A/5A, Universal Auxiliary Supply 80-300 VAC/DC, Input Voltage Measurement 50-500 VAC, 64 samples/ cycle The Meter should be able to read/display following parameters Instantaneous Parameters (V1, V2, V3, V12, V23, V31, Avg (VLN, VLL), A1, A2, A3, Aavg, F, PF-1, PF-2, PF-3, PF (Avg) W1, W2, W3, W (total) VA1, VA2, VA3, VA (total) Cumulative Parameters (Import Wh, Import Vah, Import load hours, Reset (old) Cumulative parameters (Import Wh, Import load hours, Communication (RS485 Modus RTU).complete with all accessories.	Numbers	64.00	2786.97	178366.08
36	36	Fabrication works and insulated Aluminum bus bars of 800A capacity for phases & 800A capacity for neutral Bus bar shall be suitably insulated with heat shrinkable sleeves/ epoxy coating/insulating tap to withstand the test voltage of 2.5 KV Copper strip for connection outgoing as well as incoming with suitable size be provided. LT Panel form item No. 22 to 28 will be Inspection by-RITES .	Job	8.00	46606.41	372851.28

37	37	Design, Supply, fixing, testing and commissioning of double door feeder pillar panel (MCCB - Incoming & MCCB - Outgoing) comprising with the following MCCB's fixed in it of make Havells, Siemens, L&T, Schneider, Legrand or equivalent conforming to IEC 60947-2 / IS 13947: 2008 & IS 8623:2008 or latest with digital measuring instrument & bus-bar arrangement and conforming to PCEE/NR's spec. No. PCEE/NR/126-Elect/PS/2019 at Tech Spec-VII attached or latest and as per IS, IE rules and site requirement. 4P MCCB 400 Amps 36 kA with adjustable thermal & fixed magnetic release = 01 Nos. (incoming) 4P MCCB 125 Amps 36 kA with adjustable thermal & fixed magnetic release = 04 Nos. (Outgoing). Inspection by-RITES.	Numbers	4.00	134988.56	539954.24
38	38	Supply, fixing, testing, connecting and commissioning of 120 Watt or above Highbay LED light fittings.LED Luminaries:-(1) A complete LED lighting unit consisting of a light source and driver together with parts of distribute lights,to position and protect the light source,and to connect the light source to a branch circuit.The light source itself may be an LED array and LED module, or an LED lamp. (2):-Supplied LED luminaries shall confirm to IS:16101(2012) IS :16106(2012).Light Source(LED) in the Luminaries should be of make:- (1):-NICHIA/ CREE/OSRAM/ SEOUL/ PHILIPS/LUMILEDS /LEDNIUM. (2):-LEDs to IS:16105(2012).IS:16108(2012),IEC:62471.Type LED:- High power LED,SMD(Surface Mounting device)/COB(Clip on board).1.Input operating voltage :-105-295 V AC.2:- Normal Voltage-220V AC, 3.Driver type: constant current driver with short circuit protection. 4.LED life:->50000 burning hours.5.Depreciation:- 30% max.after 50000 burning hours. 6.Control of distribution:-Full cut off. 7.Surge protection:4KV.8.Drive component :Industrial grade only. 9.Efficiency of driver electronic: > 85%. 10.Beam angle:>=140 degree along with road and >=80 degree across the road. 11.Colour temperature:5000-6500K. 12.Colour rendering index(CRI):>=75.13.Ingress protection :IP-66.14.Lumen output: >120 lumens/watt.15.Power factor:->0.95. 16.Total hormonics distrotion(THD):-<15%. 17.Lamp cover:Toughened glass or UV stabilsed poly carbonate.18.Finishing:Power coated/Anodized.19.Secondry optics:poly corbonate reflector/ poly carbonates lens.20.Construction of housing: extruded aluminum/CRCA/Pressure die cast aluminum.21.Mounting:Suitable for existing pole/Truss/Lantern mounted.22.Certificate:Firm to submit LM80(In respect of LED used)& LM79(In respect of luminare used) test certificate from National/International accredited Laboratory and OEM certificate for compliance of BIS/IEC.23.Warranty:Firm to submit warranty certificate for five year along with the supply.All fittings shall be fitted with new suitable bend/elbow with clamp and proper nut and bolt and connection with twisted twin flexible cord of minimum size 16/1 mm copper conductor as per relevant technical specification. Materials prameters must remain unchanged during entire warranty period. Inspection by-RITES.	Numbers	200.00	6106.71	1221342.00

39	39	Supply and erection of 6 Mtr. Galvanized (as per BSEN ISO 1461) octagonal pole with base plate 220x220x12 mm, top 70 mm and bottom 130 mm of 3 mm thick sheet suitable for maximum wind speed upto 160 Km/Hr. including foundation bolts andfoundation with M 20 grade RCC and FE 415 gradereinforcement (500x500x800 mm deep) (foundation should be as per design approved bypole manufacturer) GI base plate G.I. anchor plateetc.as required including supplying and fixing of double arm hot dipped galvanized bracket suitable for street light fittings and supplying and drawing of 3x2.5 Sq.mm FRLSH copper conductor single core cable from junction box with two Nos 6/10AMP MCBto luminaire complete including termination with copper lugs as required. Inspection by-RITES.	Numbers	45.00	10519.26	473366.70
40	40	Supply, erection, testing and commissioning of single earth electrode of 50 mm. dia 3000 mm long GI pipe class B conforming to IS: 1239 latest complete with earth box with cover as per RDSO approved drawing including connection from earth electrode to MDB/SDB/poles/with 8 swg GI wire . Inspection by-RITES.	Numbers	40.00	2949.00	117960.00
41	41	Supply, fixing, testing, connecting and commissioning of storage type water cooler similar to Model SDLX 100, Cooling Capacity-170 litre per hour, 380 litre Storage with foundation/platform & cage. Inspection by-Consignee.	Numbers	3.00	69170.21	207510.63
42	42	Supply, erection, testing and commissioning of One phase distribution board comprising of one no. 32/40 amps DP MCB with 40 A ELCB/RCCB as incoming and 4 nos. 10 amps SP MCB , 4 nos. 20 A SP MCB as outgoing complete with copper bus bars, neutral link and other accessories housed in CRCA sheet enclosure with double door type. Inspection by-Consignee.	Numbers	20.00	3427.60	68552.00
43	43	Supply, fixing, testing, connecting and commissioning of 450 mm sweep Exhaust Fan suitable for 230 volts, 50 Hz AC supply, 1400 RPM heavy duty with wiring and flexible PVC pipe as required. Inspection by-Consignee.	Numbers	15.00	2376.71	35650.65
44	44	Supply, fixing, testing and commissioning of 1000 kVA, 11/0.415 KV, 3Ph, 50 Hz, outdoor type, DYN 11 Delta star, ONAN Cooled, two winding, copper wound outdoor type transformer having Energy efficiency levels 2 as per latest IS:1180 (2014) or latest tapping Rang +5% and -5% instep of 2.5 % each, first fill of Transformer Oil. Cable box shall be completed with all standard fittings & accessories as per BIS & shall be provided with termination arrangement on HV & LV side by providing extended busbar (Bus bar links for connecting cables) & cable termination support on HV & LV side inclusive of all inbuilt protection systems like-OTI, WTI, MOG, Bulchhoz relay etc. including suitable foundation and with fencing 4 Mtr x 4 Mtr (Approx.). Inspection by-RITES.	Numbers	2.00	1224810.49	2449620.98

45	45	Design, manufacture and supply as per IS: 3427: 1997(latest version) of 11 KV HT panel Board 350 MVA, 400 Amps capacity, The switchgear panel shall be of sheet steel construction with ALUZINC not less than 2.5 mm thickness for load bearing section and not less than 2 mm thickness for non load bearing and shall totally dust and vermin proof comprising of (1) Incoming 11KV, 3 pole Vacuum Circuit Breaker conforming to IS 13118:1991 / IEC 62271- 100-200 as amended upto date, Internal Arc Test for AFLR 25 kA for 1s complete with PT conforming to IS 3156/Pt-I & II:1992 (latest version) having ratio of 11KV/110V (AC).). Microprocessor based numerical relay (with modbus RS 485 port with O/L, E/Fand S/C protection), Load Manager (Multi Function Meter, 0.5s accuracy ,modbus RS 485comm. Port, harmonics and sag, swell para meters and conform to IEC61000-4-30) Ammeter, Selector switch, clustered LED type indication lights, double ratio copper wound current transformer conforming to IS 2705/Pt-I & III:2000 (latest version) and suitable cable end box. - Set (2) Outgoing11KV, 3 pole Vacuum Circuit Breaker conforming to IS13118:1991/ IEC 62271 - 100-200 as amended upto date ,Internal Arc Test for AFLR 25kA for 1sec).Microprocessor based numerical relay (with modbus RS485 port with O/L, E/F and S/C protection), Load Manager (Multi Function Meter, 0.5s accuracy, modbus RS485 comm.Port, harmonics and sag, swell parameters and conformto IEC 61000-4-30), Digital Ammeter, Selector switch, LED type indication lights, double ratio copper wound current transformer conforming to IS: 2705/Pt-I & III:2000 (latest version) and suitable copper bus bar, cable end box -set. Including all Auxiliary relay for protection of 11KV/415 Volt transformer, testing, installation and commissioning as per IS:3427/1997 (Latest version) and as per drawing approved by Railway)3 pole 11KV HT VCB 400 Amps, Manually drawout type as incoming of CT ratio 150/75/5 A =01No. Inspection by-RITES.	Numbers	4.00	497725.96	1990903.84
46	46	Earthing with 600 x 600 x 3 mm thick copper plate earth electrodeas per IS: 3043/1987 (Latest version), to achieve earth resistance less than one Ohm, including construction of masonry enclosure with hinged cover plate of cast ironwith locking arrangement as per drawing and relevant technical specification (latest version). Inspection by-Consignee.	Numbers	20.00	8089.73	161794.60
47	47	Connections with 40 x 6MM Copper strip as per IS:3043/1987 (Latest version) in 50 mm dia G.I. Pipe class-B, 300 mm deep in ground / recessing in floor for sub station as per drawing approved by Railway including supply of material as per relevant technical specification (latest version). Inspection by-Consignee.	Metre	250.00	1155.61	288902.50
48	48	Supply, fixing, testing and commissioning of surface mounted / flush type power unit complete with modular plate, 25A MCB, starter, plug & socket for AC as per IS & IE rules and as per site requirement.	Numbers	30.00	695.83	20874.90

49	49	Design, manufacture, supply, erection, testing & commissioning of LT switch gear panel board of 2mm thick dia pressed CRC steel sheet for frame work, enclosure and doors ,3 mm thick for gland plates with stiffeners wherever required, having vibration free structure chemically treated with seven tank process before painting for surface treatment and powder coated, with suitable electrolytic grade high conductivity Aluminum busbar extensible type, DMC/SMC bus bar supports, suitable for 3 phase 415 V 50 HZ AC supply. LT Panel configurations offered shall be CPRI tested. ..... Incoming 01 No. 1250 Amps ACB, 415 Volt, 3 Phase, 4 Pole, OL, SC, EF Protection with 50KA MDO type Microprocessor type IEC 60947 with LCD display, 24V Power Supply.	Numbers	3.00	170549.95	511649.85
50	50	Outgoing 800 Amps ACB, 415 Volt, 3 Phase, 4Pole, OL, SC, EF Protection with 50KA MDO type Micro processor type IEC 60947 with 4 line LCD display, 24V Power Supply.	Numbers	4.00	133926.39	535705.56
51	51	Supply, fixing, testing, connecting and commissioning of Motorized MCCB 400A 36Ka 4P with in built mccb protection of Over load, Short Ciruit, Earth Faultwith ,auxiliary contacts, connector, shunt & under voltage, spreader & extended handles with power supply.	Numbers	4.00	15629.08	62516.32
52	52	Supply, fixing, testing, connectingandcommissioning of MCCB 250A 36Ka 4P with in built mccb protection of Overload, Short Ciruit,Earth Fault with, auxillary contacts, connectors shunt & under voltage, spreader & extended handles with power supply .	Numbers	4.00	11382.66	45530.64
53	53	MCCB 160A 36Ka 4P with inbuilt mccb protection of Overload, Short Ciruit, Earth Fault with, auxillary contacts, connectors shunt & under voltage, spreader & extended handles with power supply .	Numbers	2.00	6914.71	13829.42
54	54	Fabrication works and insulated Aluminum bus bars of 1200A capacity for phases & 1200A capacity for neutral. Bus bar shall be suitably insulated with heat shrinkable sleeves/ epoxy coating/insulating tap to with stand the test voltage of 2.5 KV Copper strip for connection out going as well as incoming with suitable size be provided.	Job	1.00	59925.49	59925.49
55	55	Supply of Indicator lamps with suitable holder.	Numbers	39.00	89.71	3498.69
56	56	Supply, fixing, testing, connecting and commissioning of Outgoing/Feeder Panel Mounted Multi-function meter with Accuracy Class 1 as per IEC 62053-21 or Class 0.5, 0.5S as per IEC 62053-22.LED meter Cl 1 with RS485: Meter should have following features built-in LED • Flush mounting 96 x 96 mm • True RMS measurement • Password protection provision for security • Site selectable for 3 Phase 4 wire, 3 Phase 3 wire, 1 Phase, CT Secondary 1A/5A, Universal Auxiliary Supply 80-300 VAC/DC, Input Voltage Measurement 50-500 VAC, • 64 samples/ cycle The Meter should be able to read/display following parameters Instantaneous Parameters (V1, V2, V3, V12, V23, V31, Avg (VLN, VLL), A1, A2, A3, Aavg, F, PF-1, PF-2, PF-3, PF (Avg) W1, W2, W3, W (total) VA1, VA2, VA3, VA (total) Cumulative Parameters (Import Wh, Import Vah, Import load hours, Reset (old) Cumulative parameters (Import Wh, Import load hours, Communication (RS485 Modus RTU).complete with all accessories.	Numbers	13.00	2786.97	36230.61

57	57	Supply, fixing, testing and commissioning of wall mounted LT distribution board made up of steel sheet, phosphatised powder painted complete with neutral link, earth point,Din rail and prewired confirming to IS:13032 & 8623:1991 with following items to be fixed in distribution board,confirming to IS: 8828 :1996 or latest,IE rules and site requirement. 4P, MCCB 125 Amps. 10 kA 'C' series= 01No. (Incoming) DP RCCB (25, 40Amps., three nos. each) 10 kA 'C'series = 06 Nos.(Outgoing). Inspection by-Consignee.	Numbers	20.00	25954.01	519080.20
58	58	"Supply of 2.5 KV Hand Driven Megger Scale 0-Megger 10000 Mega Ohms with accessories Make-Wabco/Micro or Equivalent. Firm's offered make -'RISHABH SHANTI ITHV25100'"	Numbers	3.00	9780.57	29341.71
59	59	Supply of INGCO HHCT0170 Hydraulic Crimping Tool Cable Cutter Hydraulic Cable Lug Crimper Electrical Power Wires Suitable for Professional Work Tool Kit Heavy Duty Box with Die	Numbers	4.00	13527.57	54110.28
60	60	"Supply of LT Megger, 500V, 1000 Mega Ohm (Make: Fluke/Megger/Kusam Meco/Metravi)"	Numbers	2.00	4267.71	8535.42
61	61	"Supply of clamp on ground resistance tester having 4 digits LCD, 32X65 mm clamp jaw, data hold range 0.010 to 1500 ohms. (Make:Fluke/Megger/Kusam Meco/Metravi)"	Numbers	2.00	20139.44	40278.88
					Total	**20723764.22**

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

Special Financial Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
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 consideration of balance sheet of the fourth previous year, a certificate stating that the balance sheet of the previous year is yet to be prepared/ audited certified by the Chartered Accountant shall be submitted. Without this certificate, balance sheet of the fourth previous year shall not be considered. Failure in submission of this statement will lead to summary rejection of offer.	No	No	Allowed (Mandatory)
1.1	''Bid Capacity-The tender/technical bid will be evaluated based on bid capacity formula mentioned in tender document. The tenderers who meet the minimum eligibility criteria will be qualified, only if their available bid capacity as shown in statement submitted duly verified by charted accountant, is equal to or more than the total bid value of the present tender. The available bid capacity shall be calculated as mentioned in tendered document.''	No	No	Allowed (Mandatory)

Special Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading

1	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.	No	No	Allowed (Mandatory)
1.1	However, if required in tender documents by way of Special Conditions, a formal agreement duly notarized, 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 fulfilment 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. In case after award of contract or during execution of work it becomes necessary for contractor to change subcontractor, the same shall be done with subcontractor(s) fulfilling the requirements as per clause 7 of the Standard GeneralC conditions of Contract, with prior approval of Chief Engineer in writing. Note for Item 10.1: Work experience certificate from private individual shall not be considered. However, in addition to work experience certificates issued by any Govt. Organization, work experience certificate issued by Public listed company having average annual turnover of Rs 500 crore and above in last 3 financial years excluding the current financial year, listed on National Stock Exchange or Bombay Stock Exchange, incorporated/registered at least 5 years prior to the date of closing of tender, shall also be considered provided the work experience certificate has been issued by a person authorized by the Public listed company to issue such certificates. In case tenderer submits work experience certificate issued by public listed company, the tenderer shall also submit along with work experience certificate, the relevant copy of work order, bill of quantities, bill wise details of payment received duly certified by Chartered Accountant, TDS certificates for all payments received and copy of final/last bill paid by company in support of above work experience certificate.	No	No	Not Allowed

1.1.1	Substantially Completed Work means an ongoing work in which payment equal to or more than 90% of the present contract value (excluding the payment made for adjustment of Price variation (PVC), if any) has been made to the contractor in that ongoing contract and no proceedings of termination of contract on Contractor's default has been initiated. The credential certificate in this regard should have been issued not prior to 60 days of date of invitation of present tender. 2. In case a work is started prior to 07 (seven) years, ending last day of month previous to the one in which tender is invited, but completed in last 07 (seven) years, ending last day of month previous to the one in which tender is invited, the completed work shall be considered for fulfillment of credentials. 3. If a work is physically completed and completion certificate to this extent is issued by the concerned organization but final bill is pending, such work shall be considered for fulfillment of credentials 4. In case of completed work, the value of final bill (gross amount) including the PVC amount (if paid) shall be considered as the completion cost of work. In case final bill is pending, only the total gross amount already paid including the PVC amount (if paid) shall be considered as the completion cost of work. In case of substantially completed work, the total gross amount already paid including the PVC amount (if paid), as mentioned in the certificate, shall be considered as the cost of substantially completed work.	No	No	Not Allowed
2	Similar Nature work 1. For Civil work "Any structural Steel fabrication work" 2. For Electric work "Satisfactory execution of any electrical work related to HT/T/LT installation	No	No	Allowed (Mandatory)

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.
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	Please submit bank details of the firm / individual/ JV / partnership etc. i.e.Name of the Bank along with Bank Branch Code, Account Number, IFSC Code, PAN Number and other necessary & relevant documents.	Yes	Yes	Allowed (Mandatory)
2	Please furnish list of Works on hand indicating Description of Work, Contract Value, Approximate value of balance work yet to be done and Date of award.	No	Yes	Allowed (Optional)
3	Please furnish documents in support of your claim to fulfill the eligibility criteria as mentioned in the tender documents. Each page of the copy of documents / certificates in support of credentials, submitted by the you, shall be self-attested / digitally signed by the you or authorized representative of the your firm. Only those documents which are declared explicitly by you as "documents supporting the claim of qualifying the laid down eligibility criteria", will be considered for evaluating the offer or otherwise available in the offer.	Yes	Yes	Allowed (Mandatory)
4	Please furnish statement of deviations from tender conditions, if any.	Yes	Yes	Allowed (Mandatory)
5	Requisite documents proving technical eligibility criteria and financial eligibility criteria has been uploaded along with those required as per explanation given in clause 10 of IRGCC-2022 (Works Matter).	Yes	Yes	Allowed (Mandatory)
6	Tenderers who is/are not borne on the approved list of the contractors of North Central Railway shall submit along with his/their tender as per clause 11 of IRGCC-2022 (Works Matter), as applicable.	Yes	Yes	Allowed (Mandatory)
7	All requisite valid documents regarding constitution of business of the bidding firm should be submitted along with the tender as per clause 14 of IRGCC-2022 (Works Matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)
8	The tenderer whether sole proprietor / a company or a partnership firm / joint venture (JV) / registered society / registered trust / HUF / LLP etc if they want to act through agent or individual partner(s), should submit along with the tender, a copy of power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person, specifically authorizing him/them to sign the tender, submit the tender and further to deal with the Tender/ Contract up to the stage of signing the agreement except in case where such specific person is authorized for above purposes through a provision made in the partnership deed / Memorandum of Understanding / Article of Association /Board resolution, failing which tender shall be summarily rejected. A separate power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person, shall be submitted after award of work, specifically authorizing him/them to deal with all other contractual activities subsequent to signing of agreement, if required. Note: A Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention 1961 are not required to be legalized by the Indian Embassy if it carries a conforming Appostille certificate. Reference: para 15 of IRGCC-2022 (Works matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)
9	Joint Venture firms, if applicable in the instant tender, should submit all valid requisite documents and fulfil the stipulations as per clause 17 of IRGCC-2022 (Works Matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)
10	Partnership firms, if bidding for the instant tender, should submit all valid requisite documents and fulfil the stipulations as per clause 18 of IRGCC-2022 (Works Matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)
11	Please submit bank details of the firm / individual/ JV / partnership etc. i.e.Name of the Bank along with Bank Branch Code, Account Number, IFSC Code, PAN Number and other necessary & relevant documents.	Yes	Yes	Allowed (Mandatory)
12	Please furnish list of Works on hand indicating Description of Work, Contract Value, Approximate value of balance work yet to be done and Date of award.	No	Yes	Allowed (Optional)

13	Please furnish documents in support of your claim to fulfill the eligibility criteria as mentioned in the tender documents. Each page of the copy of documents / certificates in support of credentials, submitted by the you, shall be self-attested / digitally signed by the you or authorized representative of the your firm. Only those documents which are declared explicitly by you as "documents supporting the claim of qualifying the laid down eligibility criteria", will be considered for evaluating the offer or otherwise available in the offer.	Yes	Yes	Allowed (Mandatory)
14	Please furnish statement of deviations from tender conditions, if any.	Yes	Yes	Allowed (Mandatory)
15	Requisite documents proving technical eligibility criteria and financial eligibility criteria has been uploaded along with those required as per explanation given in clause 10 of IRGCC-2022 (Works Matter).	Yes	Yes	Allowed (Mandatory)
16	Tenderers who is/are not borne on the approved list of the contractors of North Central Railway shall submit along with his/their tender as per clause 11 of IRGCC-2022 (Works Matter), as applicable.	Yes	Yes	Allowed (Mandatory)
17	All requisite valid documents regarding constitution of business of the bidding firm should be submitted along with the tender as per clause 14 of IRGCC-2022 (Works Matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)
18	The tenderer whether sole proprietor / a company or a partnership firm / joint venture (JV) / registered society / registered trust / HUF / LLP etc if they want to act through agent or individual partner(s), should submit along with the tender, a copy of power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person, specifically authorizing him/them to sign the tender, submit the tender and further to deal with the Tender/ Contract up to the stage of signing the agreement except in case where such specific person is authorized for above purposes through a provision made in the partnership deed / Memorandum of Understanding / Article of Association /Board resolution, failing which tender shall be summarily rejected. A separate power of attorney duly stamped and authenticated by a Notary Public or by Magistrate in favour of the specific person whether he/they be partner(s) of the firm or any other person, shall be submitted after award of work, specifically authorizing him/them to deal with all other contractual activities subsequent to signing of agreement, if required. Note: A Power of Attorney executed and issued overseas, the document will also have to be legalized by the Indian Embassy and notarized in the jurisdiction where the Power of Attorney is being issued. However, the Power of Attorney provided by Bidders from countries that have signed the Hague Legislation Convention 1961 are not required to be legalized by the Indian Embassy if it carries a conforming Appostille certificate. Reference: para 15 of IRGCC-2022 (Works matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)
19	Joint Venture firms, if applicable in the instant tender, should submit all valid requisite documents and fulfil the stipulations as per clause 17 of IRGCC-2022 (Works Matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)
20	Partnership firms, if bidding for the instant tender, should submit all valid requisite documents and fulfil the stipulations as per clause 18 of IRGCC-2022 (Works Matter),otherwise their offer will be considered incomplete and shall not be considered.	Yes	Yes	Allowed (Mandatory)
21	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
1	Rates are inclusive of all taxes/octroi, license fee, royalty charges etc. legally leviable by State, Central Govt. and/or any other local authority. If any Tax/Royalty/Octori is quoted extra, the same will neither be considered for evaluation of the tender nor will be paid. However any changes in rate of taxes or any new tax /cess on Works Contract will be dealt according to clause 37 of IRGCC-2022 (Works Matter).	No	No	Not Allowed

2	Tenderers are advised to visit the site of work to ascertain all aspects of the site conditions viz accessibility, availability of approach road, nature of the soil, availability of material, availability of labour etc. that may be encountered in course of execution of work.	No	No	Not Allowed
3	Tenderer should see the website for the corrigendum/addendum to the NIT/tender document, if any that may be uploaded prior to tender opening (inclusive) as there will not be any separate communication for that.	No	No	Not Allowed
4	The tenderer for carrying any construction work in Uttar Pradesh must get themselves registered from the registering Officer under Section - 7 of the Building and Other Construction Workers Act, 1996 and rules made there-to by the Uttar Pradesh Govt. and submit certificate of Registration (Labour Department). For enactment of this Act, the tenderer shall be required to pay cess @ 1% of cost of construction work to be deducted from each bill.	No	No	Not Allowed
5	The contractor(s) shall observe all the formalities, perform all the acts and abide by all the provisions contained in the Contract Labour Act-1970 and Contract Labour Central Rules, 1971 which in addition to other stipulations provides that the contractor(s) shall obtain license(s) from appropriate licensing officer of the area before commencement of the work and shall produce a copy thereof along with the original to the Railway office, which will be returned to the contractor after verification.	No	No	Not Allowed
6	If any complaint is received against the contractor regarding violation of contract laws, (exposing Principal Employer to the risk of legal proceedings under labour laws), the guilty contractor will be black listed and their contract shall be terminated following the due procedure, apart from initiating criminal proceedings against him with the help of Labour department officials. (Authority: RB letter no.2008/E (LI)/AT/CNR/3, dated 24.01.2018).	No	No	Not Allowed
7	It is the responsibility of the tenderer to see corrigendum, if any, to tender notice up to the date of tender opening. IRGCC-2022 (works matter) is for reference only. Any correction issued by competent authority up to date of opening will be applicable. Tenderer should quote accordingly.	No	No	Not Allowed
8	Though no minimum eligibility criteria is specified for tenders below Rs. 50.00 Lakhs, tenderers are advised to upload documents so that their financial capacity, capability & past performance to undertake the tendered work can be adjudged during evaluation of their offer. Documents testifying tenderer previous experience for the type of job for which tender is invited with list of works carried out in the past and financial status should be produced along with the tender.	No	No	Not Allowed
9	The provision of Construction and Demolition Waste Management Rule 2016 issued by Ministry of Environment Forest and Climate Change dated 29.03.2016 and published in the Gazette of India, Part - II, Section -3, Sub-section (ii) are binding upon the Contractor. Contractor shall implement these provisions at worksites, for which no extra payment will be payable.	No	No	Not Allowed
10	The tenderers shall submit a copy of certificate stating that all their statements/documents submitted along with bid are true and factual. Standard format of certificate to be submitted by the bidder is enclosed as Annexure-A. Non submission of above certificate by the bidder shall result in summarily rejection of his/their bid.	No	No	Not Allowed
11	It is to be noted that tenderer digital signature on the E-Tender form will be considered as confirmation that tenderer have read and accepted all the conditions laid down in the documents as well as related specification of items,schedule & quantity of items in the tender, consisting of techno-commercial offer form (including special conditions attached to E-Tender) and Financial offer form, unless specific deviation is quoted in the techno-commercial offer form.	No	No	Not Allowed
12	The quantities shown in the attached Schedule are given as a guide and are approximate only and are as a guide to give the tenderer(s) an idea of quantum of work involved. Quantities are subject to variation according to the needs of the Railway. The Railway does not guarantee work under each item of the Schedule. The Railway reserves the right to increase/ decrease and/or delete or include any of the quantities given above and no extra rate will be allowed on this account.	No	No	Not Allowed

13	In case of any information submitted by tenderer is found to be false forged or incorrect at any time during process for evaluation of tenders, it shall lead to forfeiture of the tender Earnest Money Deposit besides banning of business for a period of upto five years. In case of any information submitted by tenderer is found to be false forged or incorrect after the award of contract, the contract shall be terminated. Earnest Money Deposit (EMD), Performance Guarantee and Security Deposit available with the railway shall be forfeited. In addition, other dues of the contractor, if any, under this contract shall be forfeited and agency shall be banned for doing business for a period of upto five years.	No	No	Not Allowed
14	The tenderer has to submit necessary documents in compliance of clause 10 to 18 (Part-I) of IRGCC 2022 (Works matter) mandatorily, otherwise offer will be considered as Incomplete Offer and accordingly shall not be considered.	No	No	Not Allowed

Undertakings

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/We have read the various provisions of IRGCC-2022 (works matter), specific & other special conditions attached/ referred to in this tender document, and agree to abide by the said provision/conditions.	No	No	Not Allowed
2	I/We also hereby agree to abide by the Indian Railways Standard General Conditions Of Contract-2022, 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 in the annexed Special Conditions/Specifications, Schedule of Rates with all correction slips up-todate for the present contract.	No	No	Not Allowed
3	I/We hereby Confirm that the rates, rebates and/or other financial terms, if any, quoted by us in the relevant fields of the Financial Bid page will only be the ruling terms for deciding the inter-se ranking, and any such condition having financial repercussions, if quoted by us anywhere else including attached documents shall not be considered for deciding inter-se ranking. However, Railways shall have the right to incorporate any such condition quoted by us, in the contract, at their discretion, if contract is placed on us.	No	No	Not Allowed
4	I/We have read the various conditions to tender attached hereto and agree to abide by the said conditions. I/We also agree to keep this tender open for acceptance for a period of 60 days in case of single-packet-system or 90 days in case of two-packet-system from the date of opening the tender and in default thereof, I/We will be liable for forfeiture of my/our Earnest Money. I/We offer to do the work for North Central Railway, at the rates quoted in the attached schedule and hereby bind myself/ ourselves to complete the work in all respects within the period of completion stipulated in the tender document, from the date of issue of letter of acceptance of the tender.	No	No	Not Allowed
5	It is hereby confirmed that the bidding entity /firm /individual is neither blacklisted nor debarred by Railways or any other Ministry / Department of Govt. of India from participation in tender on the date of opening of bids, either in individual capacity or as a member of the partnership firm or JV in which the bidding entity/firm/individual was / is a partner/member. I under stood that Concealment / wrong information in regard to above shall make the contract liable for determination by administration under Clause 62 of the General Conditions of Contract.	No	No	Not Allowed
6	It is hereby declared that all necessary valid documents have been submitted in compliance of clauses from 10 to 18 (Part-I) of IRGCC (Works matter) and in the absence of which the offer will be considered as Incomplete and accordingly shall not be considered by the administration .	No	No	Not Allowed
7	It is declared that participating firm/individual is not in contravention to the stipulations laid down in clause 16-" Employment/Partnership etc. of Retired Railway Employees " of IRGCC-2022 (Works Matter) at present or during currency of work in future, else the contract is liable to be dealt in accordance with provisions of clause 62 of IRGCC-2022.	No	No	Not Allowed
8	I/We have read the various provisions of IRGCC-2022 (works matter), specific & other special conditions attached/ referred to in this tender document, and agree to abide by the said provision/conditions.	No	No	Not Allowed

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading

1	Bidder has to upload requisite information as per Annexure VIB along with the offer.	Yes	Yes	Allowed (Mandatory)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	GCCUpdateduptoACS-12_02_09_262.pdf	gcc 2022 updated upto 12th acs
2	TenderDocumentTMSKanpurCentral.docxfinal.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: HOTAM SINGH

Designation : Dy.CPM/GSU/PRYJ