

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

Tender No: W496RWFYNK1017

Closing Date/Time: 22/09/2023 11:00

CE acting for and on behalf of The President of India invites E-Tenders against Tender No **W496RWFYNK1017** Closing Date/Time 22/09/2023 11:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

### 1. NIT HEADER

Name of Work	Renovation of Employees Institute at West Colony of RWF		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	22/09/2023 11:00	Date Time Of Uploading Tender	30/08/2023 11:21
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	4175778.22	Tendering Section	TENDER
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	83500.00	Validity of Offer ( Days)	60
Tender Doc. Cost (Rs.)	0.00	Period of Completion	6 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	08/09/2023	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Revenue

### 2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule A</b> -Items covered under Schedule A							3000645.22	Above/ Below/Par
1	Please see Item Breakup for details.				3000645.22	AT Par	3000645.22	
	<b>Description:-</b> Items covered under Schedule-A (CPWD DSR - 2021 Items)							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule B</b> -Items covered under Schedule B							87467.00	Above/ Below/Par
1	Please see Item Breakup for details.				87467.00	AT Par	87467.00	
	<b>Description:-</b> Items covered under Schedule B (NON-DSR Items)							

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
<b>Schedule C</b> -Items covered under Schedule-C							1087666.00	Above/ Below/Par
1	Please see Item Breakup for details.				1087666.00	AT Par	1087666.00	
	<b>Description:-</b> Items covered under Schedule-C (NON-DSR Electrical Items)							

### 3. ITEM BREAKUP

Schedule	Schedule A-Items covered under Schedule A						
Item- 1	Items covered under Schedule-A (CPWD DSR - 2021 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	Lime, moorum, building rubbish					
1	1.1.1.1	1km	cum	10	144.32	1443.2	
	4.0	CONCRETE WORK					
	4.1S	CEMENT CONCRETE (CAST IN SITU)					

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

	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 :				
2	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	.5	7365.15	3682.58
	6.0	<b>MASONRY WORK</b>				
	6.2	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in:				
3	6.2.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	2	5746.8	11493.6
	8.0	<b>CLADDING WORK</b>				
	8.20S	<b>STONE WORK DRY CLADDING</b>				
	8.26	Providing and fixing in wall lining flat pressed three layer (medium density) particle board or graded wood Pre-laminated one side decorative lamination and other side balancing lamination Grade I, Type II, IS : 12823 marked, including priming coat on unexposed arrangement and screws etc. complete :				
4	8.26.1	12 mm thick	Sqm	210	1216.35	255433.5
	9.0	<b>WOOD AND P.V.C. WORK</b>				
	9.1S	<b>FRAMES AND TRUSSES</b>				
	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).				
5	9.1.1	Second class teak wood	cum	.3	131576.95	39473.09
	9.5	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. (Note:- Butt hinges and necessary screws shall be paid separately)				
	9.5.1	Second class teak wood				
6	9.5.1.2	30 mm thick shutters	Sqm	15	3360.7	50410.5
	9.40S	<b>MISCELLANEOUS-WOOD WORK</b>				
	9.48	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.				
7	9.48.2	Fixed to openings /wooden frames with rawl plugs screws etc.	Kg	10	197.7	1977
	9.72S	<b>BRASS FITTINGS</b>				
8	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	Each	6	723.8	4342.8
	9.105S	<b>GYPSUM BOARD PARTITIONS</b>				
9	9.121	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	Metre	40	702.6	28104
	9.122	Providing and fixing to existing door frames.				

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

10	9.122.1	30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames.	Sqm	12	3496.75	41961
	9.134	Providing and fixing wire gauge shutters using stainless steel grade 304 wire gauge with wire of dia 0.5 mm and average width of aperture 1.4 mm in both directions for doors, windows and clerestory windows with necessary screws :				
	9.147B	Providing and fixing factory made uPVC white colour fixed glazed windows/ventilators comprising of uPVC multi-chambered frame and mullion (where ever required) extruded profiles duly reinforced with 1.60 +/- 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), , uPVC extruded glazing beads of appropriate dimension, EPDM gasket, G.I fasteners 100 x 8 mm size for fixing frame to finished wall, plastic packers, plastic caps and necessary stainless steel screws etc. Profile of frame shall be mitred cut and fusion welded at all corners, mullion (if required) shall be also fusion welded including drilling of holes for fixing hardware's 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 required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.				
11	9.147B.1	Fixed window / ventilator made of (small series) frame 47 x 50 mm & mullion 47 x 68 mm both having wall thickness of 1.9 +/- 0.2 mm and single glazing bead of appropriate dimension. (Area upto 0.75 sqm.)	Sqm	30	7249.9	217497
	9.147D	Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 +/- 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's 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 required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.				

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

12	9.147D.4	Three track three panels sliding window with fly proof S.S wire mesh (Two nos. glazed & one no. wire mesh panels) made of (big series) frame 116 x 45 mm & sash 46 x 62 mm both having wall thickness of 2.3 +/- 0.2 mm and single glazing bead / double glazing bead of appropriate dimension. (Area of window above 1.75 sqm).	Sqm	50	9642.6	482130
	10.0	<b>STEEL WORK</b>				
13	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	250	111.95	27987.5
14	10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	Sqm	4	9397.35	37589.4
	11.0	<b>FLOORING</b>				
	11.37S	<b>CERAMIC GLAZED TILES</b>				
15	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	5	935.6	4678
16	11.37A	Providing and fixing 1st quality ceramic glazed floor 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	28	938.5	26278
	11.41S	<b>VITRIFIED FLOOR TILES</b>				
	11.49	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS:15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately).				
17	11.49.2	Size of Tile 600x600 mm	Sqm	25	1537.4	38435
	12.0	<b>ROOFING</b>				
	12.40	Providing, fixing and embedding sand cast iron accessories for rain water pipes in the masonry surrounded with 12 mm thick cement mortar of the same mix, as that of masonry (lead caulking will be paid for separately):				
	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.				
18	12.41.1	75 mm diameter	Metre	10	213	2130
19	12.41.2	110 mm diameter	Metre	69	319.75	22062.75
	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	<b>Bend 87.5 degrees</b>				

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

20	12.42.5.2	110 mm bend	Each	5	132	660
	12.45	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :				
21	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	Sqm	350	1145.95	401082.5
22	12.45.4	Fully Perforated Gypsum Plaster Board of size 1200 x 2400x12.5 mm having approx. 15 % perforated area with perforation size and pattern as approved by the Engineer-in-charge and as per manufacturer's specification, with all 4 side tapered and backed by acoustical tissue with NRC value not less than 0.60	Sqm	320	1483.15	474608
23	12.50	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness 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	670	671.55	449938.5
	12.51	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, 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 :				

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

24	12.51.1	Ridges plain (500 - 600mm)	Metre	27.5	450.6	12391.5
25	12.51.6	Gutter (600 mm over all girth)	Metre	10	1110.6	11106
	13.0	<b>FINISHING</b>				
	13.1S	<b>CEMENT PLASTER (IN FINE SAND)</b>				
	13.1	12 mm cement plaster of mix :				
26	13.1.1	1:4 (1 cement: 4 fine sand)	Sqm	35	294.85	10319.75
	13.69	Polishing on wood work with ready mixed wax polish of approved brand and manufacture :				
27	13.69.1	New work	Sqm	30	164.15	4924.5
	13.82	Wall painting with acrylic emulsion paint, having VOC (Volatile Organic Compound ) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.				
28	13.82.1	One coat	Sqm	1200	78	93600
	13.85	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound ) content.				
	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :				
29	13.99.1	One or more coats on old work	Sqm	200	86.55	17310
	15.0	<b>DISMANTLING AND DEMOLISHING</b>				
	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
30	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	.5	2007.1	1003.55
	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
31	15.12.1	Of area 3 sq. metres and below	Each	2	302.7	605.4
32	15.12.2	Of area beyond 3 sq. metres	Each	10	414.55	4145.5
	15.28	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of:				
33	15.28.1	G.S. Sheet	Sqm	670	136	91120
34	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	830	46.5	38595
	17.0	<b>SANITARY INSTALLATIONS</b>				
	17.3	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required :				
35	17.3.1	W.C. pan with ISI marked white solid plastic seat and lid	Each	1	6941.3	6941.3
	17.60	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
	17.60.2	100 mm inlet and 75 mm outlet				
36	17.60.2.3	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	Each	2	553.45	1106.9
	18.0	<b>WATER SUPPLY</b>				
	18.7S	<b>C.P.V.C. PIPES</b>				



**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.-Internal work - Exposed on wall				
37	18.7.2	20 mm nominal dia Pipes	Metre	5	325.1	1625.5
	18.49S	C.P. BRASS FITTINGS				
	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
38	18.49.1	15 mm nominal bore	Each	2	434.2	868.4
	21.0	ALUMINIUM WORK				
	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):				
39	21.3.1	With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	Sqm	80	1019.8	81584
					<b>Total</b>	<b>3000645.22</b>
<b>Schedule</b>	Schedule B-Items covered under Schedule B					
<b>Item- 1</b>	Items covered under Schedule B (NON-DSR Items)					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	1	Providing and fixing homogeneous polyvinyl chloride sheet/ tile in flooring and skirting in approved pattern on a smooth and damp proof base using rubber based adhesives of approved quality and manufacturer like Dunlop S- 758, Fevicol SR 998 or equivalent. 1(a) 2.0mm thick sheet	Sqm	235.00	372.20	87467.00
					<b>Total</b>	<b>87467.00</b>
<b>Schedule</b>	Schedule C-Items covered under Schedule-C					
<b>Item- 1</b>	Items covered under Schedule-C (NON-DSR Electrical Items)					
<b>S No.</b>	<b>Item No</b>	<b>Description of Item</b>	<b>Unit</b>	<b>Qty</b>	<b>Rate</b>	<b>Amount</b>
1	1	Main Distribution Board (MDB):Supply , installation and testing of new 8-way, 415 volts, 3-ph, Main distribution board Powder Coated ,double door type in suitable size ,IP 42 Sub distribution board shall consist of the : TPN MCCB - 100 Amp-1 No's, TPN MCB 63 -1 Nos, DP MCB 32 AMP-6 NO'S, Each phase, neutral link, earth with din rail mounted complete with all accessories. MAKE: L&T/ABB/Legrand/ schnider. Connection with UG cable with suitable glands and other accessories, required civil works like grove cutting ,plastering ,painting etc. required for the work will be on contractor scope only.	Numbers	2.00	21022.00	42044.00

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

2	2	Supply and installation of ONLOAD, type change over switch 400AMP/415 Volt, 4 pole conforming to IS/IEC 60947-3 or latest, front handle operated with sheet steel enclosure and mountain arrangement .MAKE: C&S, Standard, Havells, HPL, Siemens, L&T only.	Numbers	2.00	20921.00	41842.00
3	3	CIRCUIT WIRING: Supply , running testing and commissioning of 4 runs(individual) of 6.0 sqm multistrand copper conductor PVC insulated 650V grade cable and 2 run of 6.0 earth continuity for connecting from sub distribution board to switch board (or)switch boards to switch boards 25 mm PVC conduit pipe with groove cutting as per instructions of Engineer-in-charge, the required civil works like grove cutting ,plastering ,painting etc. required for the work will be on contractor scope only note. CABLE MAKE: HAVELLS/POLYCAB/V-GUARD/STERLITE only	Metre	150.00	754.00	113100.00
4	4	CIRCUIT WIRING: Supply , running testing and commissioning of 2 runs(individual) of 4.0 sqm multistrand copper conductor PVC insulated 650V grade cable and 1 run of 4.0 earth continuity for connecting from sub distribution board to switch board (or)switch boards to switch boards 20/25 mm PVC conduit pipe with groove cutting as per instructions of Engineer-in-charge, the required civil works like grove cutting ,plastering ,painting etc. required for the work will be on contractor scope only. CABLE MAKE: HAVELLS/POLYCAB/V-GUARD/STERLITE only	Metre	80.00	334.00	26720.00
5	5	CIRCUIT WIRING: Supply , running testing and commissioning of 2 runs(individual) of 2.5 sqm multistrand copper conductor PVC insulated 650V grade cable and 1 run of 2.5 earth continuity for connecting from sub distribution board to switch board (or)switch boards to switch boards 19/20 mm PVC conduit pipe with groove cutting as per instructions of Engineer-in-charge, the required civil works like grove cutting ,plastering ,painting etc. required for the work will be on contractor scope only. CABLE MAKE: HAVELLS/POLYCAB/V-GUARD/STERLITE only	Metre	250.00	275.00	68750.00
6	6	Point Wiring: supply AND commissioning of 2 run (individual) of 1.5 sqm multistrand copper conductor PVC insulated 650V grade cable and 1 run of 1.5 Sqm earth continuity for connecting from existing/new switch board to lights/tube lights/fans/exhaust fans in 19/20mm PVC conduit pipe with modular switches with groove cutting wiring as per instructions of Engineer-in-charge. The required civil works like grove cutting ,plastering ,painting etc. required for the work will be on contractor scope only as per detailed explanatory note. CABLE MAKE: HAVELLS/POLYCAB/V-GUARD/STERLITE only	Numbers	100.00	993.00	99300.00
7	7	supply and installation of 3 WAY modular metal box with plate consist of 1 No's of 16/20 Amps 5/6 pin modular socket with shutter and 16/20 amp switch in excising/new location with suitable wires. Removal & handed over of old aluminium/copper cable to SSE/EL/Colony office with all accessories and the required civil works like grove cutting ,plastering & painting etc. required for the work will be on contractor scope only as per detailed explanatory note. MAKE: GM/ANCHOR/LEGRAND/HAVELLS	Numbers	10.00	680.00	6800.00
8	8	supply and installation of 6 WAY modular metal box with plate consist of 2 No's of 16/20 Amps 5/6 pin modular socket with shutter with suitable wires with all accessories and the required civil works like grove cutting ,plastering ,painting etc. required for the work will be on contractor scope only as per detailed explanatory note. MAKE: GM/ANCHOR/LEGRAND/HAVELLS	Numbers	20.00	1108.00	22160.00



**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

9	9	Supply and installation of 100 watt LED flood light with all suitable accessories, in wall with suitable supports Make: Philips/Crompton/Havells/ Syska/HPL/Passolite only, warranty minimum 3 years	Numbers	30.00	3681.00	110430.00
10	10	Supply and installation of resess mounted Falls Celing type LED down light with driver and suitable accessories Philips/Surya/Syska/Havells/Crompton/Orient make only , Wattage-24/30/35 Wats, 230 Volts, 50 Hz Supply, Outer dia, 200 +/- 20mm, Colour , Cool white, Diffuser material : Poly carbonate. Warranty minimum 2 years from the date of commissioning	Numbers	120.00	1998.00	239760.00
11	11	Supply and installation of LED strip light with driver suitable accessories. Philips/Wipro/Syska/Havells /Crompton/Orent Make only. Wattage: 5 to 10 watts, 230 Volts, 50 Hz Supply, Colour-Blue. Warranty-Minimum 1 years from date of commissioning.	Metre	250.00	250.00	62500.00
12	12	Supply and installation of heavy duty wall mounted fan with suitable accessories. Bajaj/ Usha/Havells /Crompton/Orent Make, sweep-600 mm, 3-Blades, Colour-White Motor winding material: Copper. Blade material: Aluminium/Steel, Warranty-Minimum 2 years from date of commissioning.	Numbers	20.00	6993.00	139860.00
13	13	Earth Excavation, Laying of 1 Runs of LT UG XLPE Cable in HDPE PIPE and closing of Excavated trench: Excavation of all types Soil and making cable trench of size minimum 0.75 meter (Depth) x 0.3 meter (Width) & Laying of 1 run of HDPE pipe of Outer Diameter 50 mm of minimum PN 6 in the excavated cable trench and inserting 1 run of 4 core 35/50 Sqm LT XLPE UG cable in the laid HDPE pipes. The trench has to be closed with soil and consolidated to existing ground level after laying HDPE pipes and cables as per explanatory note.(Cable & HDPE Pipe is RWF scope only) the work shall be executed as per instructions of SSE/EL/COLONY, this measurement includes road crossing and to be run on the wall wherever required to give connections with MDB. NOTE APPLICABLE FOR ALL ITEMS ie., SL NOS.1 TO 13: 1.Charges for Power supply required to execute the work will be provided as per Engineering Department works contract. 2.Rates is inclusive of GST and all incidental charges 3.All the transportation, tools and tackles, materials for the above work shall be arranged by the contractor 4.All the materials provided shall be as per relevant IS standards and from reputed/approved makes 5. the contractor may visit the work area before quote/start and plan accordingly 6. the work shall be executed as per instructions of SSE/EL/COLONY	Numbers	400.00	286.00	114400.00
					<b>Total</b>	<b>1087666.00</b>

**4. ELIGIBILITY CONDITIONS**

**5. COMPLIANCE**

**Check Lst**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	Documents to be attached in Electronic Mode	No	No	Not Allowed
1.1	Scanned copy/copies of proof(s) of Technical Eligibility Criteria as mentioned in Standard Technical Criteria	No	No	Not Allowed
1.2	Scanned copy/copies of proof(s) of Financial Eligibility Criteria as mentioned in Standard Financial Criteria.	No	No	Not Allowed

**Commercial-Compliance**

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	For works costing less than Rs 50 lakhs : Following document shall be submitted along with the tender offer. (1). Undertaking from the tenderer in separate sheet in following format. UNDERTAKING NAME OF THE WORK: I hereby certify that I/We am/are having sufficient financial capability to execute the captioned work in given contract period. Name and Signature of the Tenderer & Address with phone no. (2). Details of works on hand at the time of submission of tender.	No	No	Allowed (Mandatory)
2	Please enter the percentage of local content in the material being offered. Please enter 0 for fully imported items, and 100 for fully indigenous items. The definition and calculation of local content shall be in accordance with the Make in India policy as incorporated in the tender conditions.	No	Yes	Allowed (Optional)

**General Instructions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	REGULATIONS FOR TENDERS AND CONTRACTS FOR THE GUIDANCE OF TENDERERS / CONTRACTORS ( FOR CIVIL ENGINEERING WORKS )	No	No	Not Allowed
2	The drawings for the Works can be seen in the office of the Chief Engineer, Rail Wheel Factory, Yelahanka, Bengaluru at any time during office Hours	No	No	Not Allowed
3	General Conditions of Contract and Indian Railways Unified Standard Specifications (Works & Materials) Vol- I & II 2010 can be seen at the office of the Chief Engineer, Rail Wheel Factory, Yelahanka, Bengaluru or had on payment at the rates fixed for each book from time to time.	No	No	Not Allowed
4	The Tenderer/Tenderers shall quote percentage rates for items covered by Schedules (items covered by IRUSSOR ( Works & Materials)-2011 and items not covered by USSOR-2011). The quantities shown in the attached Schedules are given as a guide and are approximate only and are subject to variation according to the needs of the Railway. The Railway accepts no responsibility for their accuracy, the Railway does not guarantee work under each item of the Schedule	No	No	Not Allowed
5	The Tenderer shall quote rates as percentage "Above/Below / At Par" for each schedule in the respective Tender Schedule(s) only.	No	No	Not Allowed
6	Rates quoted without prefix "Above/At par/Below" will be considered to be quoted as "Above" the tender schedule rates	No	No	Not Allowed
7	No correspondence / representation from tenderer will be considered for their failure to quote the rates as above	No	No	Not Allowed
8	COMPLETION PERIOD: The works are required to be completed within a period as advertised in the tender from the date of issue of the acceptance of tender MAINTENANCE PERIOD : In terms of Para 47 of the General conditions of the contract, the work shall be maintained after completion for a period of ..... (.....) months. The contractor shall make good any defects, imperfections etc., during the maintenance period, as directed by the Engineer in charge	No	No	Not Allowed
9	If the tender is accepted, the amount of earnest money deposit will be held as security deposit for the due and faithful fulfilment of the contract. The earnest money of the unsuccessful tenderer will save as herein before provided, be returned to the unsuccessful tenderers but the Railway shall not be responsible for any loss or depreciation that may happen to the security for the due performance of the stipulation to keep the offer open for the period specified in the tender documents or to the earnest money while in their possession nor be liable to pay interest thereon	No	No	Not Allowed
10	The earnest money for the due performance of the stipulation to keep the offer open till the date specified in the tender will be refunded to the unsuccessful tenderer / tenderers within a reasonable time. The earnest money deposited by the successful tenderer/tenderers will be retained towards the security deposit for the due and faithful fulfilment of the contract but shall be forfeited if the contractor fails/contractors fail to execute the Agreement Bond or start the work within 15 (fifteen days) (to be determined by the Engineer in-charge) after notification of the acceptance of his/their tender	No	No	Not Allowed

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

11	It shall not be obligatory on the said authority to accept the lowest tender and no tenderer/ tenderers shall demand any explanation for the cause of rejection of his / their tender.	No	No	Not Allowed
12	If the tenderer deliberately gives/tenderers deliberately give wrong information in his/their tender or creates/ create circumstances for the acceptance of his/their tender, the railway reserves the right to reject such tender at any stage	No	No	Not Allowed
13	If a tenderer expires after the submission or his tender of after the acceptance of his tender, the railway shall deem such tender as cancelled. If a partner of a firm expires after the submission of their tender or after the acceptance of their tender, the railway shall deem such tender as cancelled, unless the firm retains its character.	No	No	Not Allowed
14	The Successful Tenderer/Tenderers shall be required to execute an agreement with the President of India acting through the Chief Engineer/Deputy Chief Engineer/ Executive Engineer, for carrying out the work according to the General Conditions of the Contract and Indian Railways Unified specifications (works & materials) including correction slips issued from time to time.	No	No	Not Allowed
15	The Tenderer shall keep the offer open for a minimum period of 90 days from the date of opening of tender, within which period the tenderer cannot withdraw his offer subject to the period being extended further if required by mutual agreement from time to time. Any contravention of the above condition will make the tenderer liable for forfeiture of Earnest Money Deposit for due performance of the foregoing stipulations.	No	No	Not Allowed
16	Should the Railway decide to negotiate with a view to bring down the rates, the tenderer called for negotiations should furnish the following form of declaration before commencement of negotiations. "I/We, _____do declare that in the event of failure of the contemplated negotiations relating to Tender No. _____opened on _____my/our original tender shall remain open for acceptance on its original terms and conditions. I/we also declare that I/we am/are aware that during this negotiation, I/we cannot increase the originally quoted rates against any of the individual items and that in the event of my/our doing so, the same would not be considered at all i.e., reduction in rates during negotiation alone would be considered and for some items if I/we increase the rates, the same would not be considered and in lieu my/our originally quoted rates alone would be considered and my/our offer would be evaluated accordingly."	No	No	Not Allowed
17	Should a tenderer be a retired engineer of the Gazetted rank or any other Gazetted officer working before his retirement, whether in the executive or administrative capacity or whether holding a pensionable post or not, in the Engineering Department of any of the Railways owned and administered by the President of India for the time being, or should a tenderer being partnership firm have as one of its partners a retired engineer or a retired Gazetted Officer as aforesaid, the full information as to the date of retirement of such engineer or Gazetted officer from the said service and in cases where such engineer or officer has not retired from Government Service at least two years prior to the date of the submission of the tender as to whether permission for taking such contract, or if the contractor be a partnership Firm or an incorporated company, to become a partner or director as the case may be or to make employment under the contractor has been obtained by the tenderer or the engineer or the officer as the case may be from the President of India or any Officer duly authorized by him in this behalf, shall be clearly stated in writing at the time of submitting the tender/s without information above referred to or a statement to the effect that no such retired engineer or retired Gazetted officer is so associated with the tenderer, as the case may be, shall be rejected.	No	No	Not Allowed

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

18	Should a tenderer or contractor being an individual on the list of approved contractors, have a relative employed in Gazetted capacity in the Engineering department of the Rail Wheel Factory or in the case of a partnership firm or company incorporated under the Indian company law, should a partner or a relative of the partner or a SHARE HOLDER or a relative of a SHARE HOLDER be employed in Gazetted capacity in the Engineering Department of the Rail Wheel Factory, the authority inviting tenders shall be informed of the fact at the time of submission of tenders failing which the tender may be rejected or if such fact subsequently comes to light the contract may be rescinded in accordance with the provisions in Clause 62 of the General conditions of the contract.	No	No	Not Allowed
19	CONSORTIUM AGREEMENTS, JOINT VENTURE AND MOUs SHALL BE CONSIDERED ONLY WHEN THE ADVERTISED TENDER VALUE IS MORE THAN RS.10 CRORES.	No	No	Not Allowed
20	Partnership deed is eligible if entered into and registered prior to issue of Tender Notice. Tenderer should enclose/submit all certificates in support their eligibility in the same name and style as the tenderer and their credentials shall be considered fully to the extent of work executed by the partnership firm. Experience of individual partners will not be considered.	No	No	Not Allowed
21	Any change or modification in the constitution of tendering firms for whatever purpose or intimation of any disputes by any of the partners in the firm making tendering firm ineligible, during consideration of Tender after opening of the Tender, shall be deemed to be backing out of the offer by the Tenderer	No	No	Not Allowed
22	If the Tenderer is a partnership firm, all the partners shall be jointly and severally liable for successful completion of the work and no request for change in the constitution of the Firm shall be entertained.	No	No	Not Allowed
23	During the currency of the contract, no partner of the firm shall be permitted to withdrawn from the partnership business and in such an event it shall be treated as breach of trust and abandonment of contract	No	No	Not Allowed
24	In the case of Partnership firms, an attested copy (attested either by Notary or by Gazetted officer) of the partnership deed with latest modification of the deed should be submitted along with the Tender documents without fail.	No	No	Not Allowed
25	The Tenderer shall clearly specify whether the Tender is submitted on his own or on behalf of Partnership concern. If the tender is submitted on behalf of a Partnership concern, he should submit the certified copy of Partnership deed along with the Tender and authorization to sign the Tender documents on behalf of the Partnership firm. If these documents are not enclosed along with the Tender documents, the Tender will be treated as having been submitted by individual signing the Tender document. The Railway will not be bound by any Power of Attorney granted by the Tenderer or by changes in the composition of firm subsequent to the execution of the contract. It may, however, recognize such power of attorney and the changes after obtaining proper legal advice, the cost of which will be chargeable to the contract.	No	No	Not Allowed
26	Subletting of work or part of the work in any manner is not permitted without specific permission in writing of Railway. Any breach of this condition shall make the contractor liable for terminating the contract and forfeiting Security deposit and encashing the performance guarantee.	No	No	Not Allowed
27	Clause 7 of Standard General Conditions of Contract (Part-II) clearly specify that the Contractor shall not assign or sublet the contract or any part thereof or allow any person to become interested therein in any manner whatsoever without the special permission in writing of the Railway. Any breach of this condition shall entitle the Railway to rescind the contract under Clause 62 of GCC and also render the contractor liable for payment to the Railway in respect of any loss or damage arising or ensuing from such cancellation.	No	No	Not Allowed
28	1) The bid / Tender offer shall be digitally signed. For this purpose the tenderer(s) should possess legally valid Digital Certificate (Class III) as per Information Technology Act - 2000. The tenderer(s) should also register as a contractor in IREPS website.	No	No	Not Allowed
29	In case the tenderer(s) is/are not registered as a contractor in IREPS website, it is not possible to submit the bid / tender offer. Before proceeding further, the tenderer(s) has/have to register as a contractor in IREPS website. Online help can be taken from 'Learning Centre' in the menu on the left hand side.	No	No	Not Allowed

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

30	In case the tenderer(s) does/do not possess Class III Digital Certificate, the same shall have to be procured from any of the Licensed Certifying Authorities in India, before submitting the offer. It is possible to submit the bid / tender offer duly signed digitally only if a legally valid Class-III digital certificate in the name of the tenderer(s) in the form of e-token is inserted in the system.	No	No	Not Allowed
----	---	----	----	-------------

**Special Conditions**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	CONSERVANCY CHARGES: Conservancy charges as applicable and as modified from time to time will be recovered from Contractor's running bills.	No	No	Not Allowed
2	PRICE ADJUSTMENT DURING EXTENDED PERIODS OF CONTRACT: Shall be as per Para 46A.10 of GCC	No	No	Not Allowed
3	The Tenderer shall not employ women labourers on job, which are hazardous and connected to manufacturing process, and shall not make them to work between 7 PM to 6 AM. The Tenderer shall not employ any child labour.	No	No	Not Allowed

**Undertakings**

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	I/ We have visited the works site and I / We am / are aware of the site conditions.	No	No	Not Allowed
2	CERTIFICATION OF FAMILIARISATION I / We hereby solemnly declare that I / We visited the site of the above work and have familiarised myself / ourselves of the working conditions there in all respects and in particular the following: (1) Topography of the area (2) Soil conditions at the site work (3) Rates of construction materials (4) Availability of local labour, both skilled and unskilled and the prevailing labour rates (5) Availability of water & Electricity (6) The existing roads and access to the site of the work (7) Safety, Security measures to be adopted while working in factory areas (8) Any other matter that may have bearing on work	No	No	Not Allowed

**6. Documents attached with tender**

S.No.	Document Name	Document Description
1	NEFTFORM.pdf	NEFT Form
2	CHECKLIST.pdf	Check List
3	ANNEXURE-1.pdf	Annexure 1
4	ANNEXURE-AtoE.pdf	Annexure A to E
5	ANNEXURE-V.pdf	Annexure V
6	CERTIFICATIONOFFAMILIARISATION.pdf	Certificate of Familiarization
7	GCC_IndianRailways-April-2022.pdf	GCC of Railways 2022
8	CorrectionSlipNo.1GCC-April-22.pdf	Correction Slip1 to GCC 2022
9	CorrectionSlipNo.2GCC-April-22.pdf	Correction Slip 2 to GCC 2022
10	CorrectionSlipNo.3GCC-April-22.pdf	Correction Slip 3 to GCC 2022
11	CorrectionSlipNo.4GCC-April-22.pdf	Correction Slip 4 to GCC 2022
12	TENDERDOCUMENT_1.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.

**RWF HQ-ENGINEERING/RWF  
TENDER DOCUMENT**

**Tender No:** W496RWFYNK1017

**Closing Date/Time:** 22/09/2023 11:00

---

**Signed By:** SURYAKANTH SHARMA

**Designation :** XEN/1