

**EDFC FIELD UNIT-KOLKATA-CIVIL/EDFC
TENDER DOCUMENT**

Tender No: KKK-EN-SEC-WALL-PH-II-R2

Closing Date/Time: 14/08/2024 15:00

CGM/DFCCIL/Kolkata acting for and on behalf of The President of India invites E-Tenders against Tender No **KKK-EN-SEC-WALL-PH-II-R2** Closing Date/Time 14/08/2024 15:00 Hrs. Bidders will be able to submit their original/revised bids upto closing date and time only. Manual offers are not allowed against this tender, and any such manual offer received shall be ignored.

1. NIT HEADER

Name of Work	Construction of 1000 meter Security wall in place of Security Fencing in Defence land at Kotachandipur mouza and renovation of DFCCIL Camp office at Asansol at Block no. 81/ABC.		
Bidding type	Normal Tender		
Tender Type	Open	Bidding System	Single Packet System
Tender Closing Date Time	14/08/2024 15:00	Date Time Of Uploading Tender	23/07/2024 12:45
Pre-Bid Conference Required	No	Pre-Bid Conference Date Time	Not Applicable
Advertised Value	21986431.45	Tendering Section	WEST BENGA
Bidding Style	Single Rate for Each Schedule	Bidding Unit	
Earnest Money (Rs.)	439700.00	Validity of Offer (Days)	120
Tender Doc. Cost (Rs.)	11800.00	Period of Completion	6 Months
Contract Type	Works	Contract Category	Expenditure
Bidding Start Date	31/07/2024	Are Joint Venture (JV) firms allowed to bid	No
Ranking Order For Bids	Lowest to Highest	Expenditure Type	Capital (Works)

2. SCHEDULE

S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule A-Civil Engineering Cost (As per DSR 2021)							21877136.11	Above/ Below/Par
1	Please see Item Breakup for details.				23187213.68	(-) 5.65	21877136.11	
	Description:- Civil Engineering Cost as per DSR-2021							
S.No.	Item Code	Item Qty	Qty Unit	Unit Rate	Basic Value	Escl.(%)	Amount	Bidding Unit
Schedule B-Electrical Work							109295.34	Above/ Below/Par
1	Please see Item Breakup for details.				109295.34	AT Par	109295.34	
	Description:- Electrical Work for DFCCIL Camp office at ASN							

3. ITEM BREAKUP

Schedule	Schedule A-Civil Engineering Cost (As per DSR 2021)					
Item- 1	Civil Engineering Cost as per DSR-2021					
S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	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	605.00	93.05	56295.25
2	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, complete up to 6m height above GL all complete."	Kg	4430.00	78.20	346426.00

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3	11.2	Dry brick on edge flooring in required pattern with bricks of class designation 7.5 on a bed of 12 mm mud mortar, including filling joints with local sand, with common burnt clay non modular bricks.	Sqm	10.00	733.30	7333.00
4	13.7	Floor polishing on masonry or concrete floor	Sqm	60.00	79.60	4776.00
5	15.5	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work (Payment shall be made on the cross sectional area of R.C.C. or R.B. work) as per direction of Engineerin- charge.	cum	1.00	2928.10	2928.10
6	2.27	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete	cum	1.00	2161.20	2161.20
7	2.36	Supplying chemical emulsion in sealed containers including delivery as specified.: Extra for levelling & neatly dressing of disposed soil completely asdirected by Engineer-in-charge.	cum	1189.00	76.70	91196.30
8	1.1.2	"Carriage of materials by Mechanical Transport including loading,unloading and stacking: Transporting earth/rubbish upto 2 km"	cum	40.00	203.98	8159.20
9	11.37	Providing and laying Ceramic glazed floor tiles of size 300x300 mm(thickness to be specified by the manufacturer) of 1st quality conformingto 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 includingpointing the joints with white cement and matching pigment etc.,complete.	Sqm	40.00	935.60	37424.00
10	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300mm or more (thickness to be specified by the manufacturer), of 1stquality conforming to IS : 15622, of approved make, in colours 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 @ 3.3kg/ sqm including grouting the joints with white cement and matchingpigments etc., complete.	Sqm	11.00	1142.80	12570.80
11	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 120grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 micronsepoxy primer on both side of the sheet and polyester top coat 15-18microns. Sheet should have protective guard film of 25 micronsminimum to avoid scratches during transportation and should besupplied in single length upto 12 metre or as desired by Engineerin-charge. The sheet shall be fixed using self drilling /self tappingscrews of size (5.5x 55 mm) with EPDM seal, complete upto anypitch in horizontal/ vertical or curved surfaces, excluding the cost ofpurlins, rafters and trusses and including cutting to size and shapewherever required.	Sqm	13.70	671.55	9200.23
12	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	Sqm	100.00	20.85	2085.00
13	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	100.00	45.05	4505.00

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14	16.53	"Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length (total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mmwith tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)"	Running Metre	1000.00	303.65	303650.00
15	17.29	Providing and fixing 100 mm sand cast Iron grating for gully trap.	Each	3.00	45.25	135.75
16	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	Each	3.00	1411.15	4233.45
17	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Litre	2000.00	9.70	19400.00
18	18.65	Providing and fixing PTMT soap Dish Holder having length of 138mm, breadth 102mm, height of 75mm with concealed fitting arrangements, weighing not less than 106 gms.	Each	2.00	96.75	193.50
19	18.77	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	Each	4.00	377.10	1508.40
20	18.78	Making chases up to 7.5x7.5 cm in walls including making good and finishing with matching surface after housing G.I. pipe etc.	Metre	5.00	171.80	859.00
21	2.6.1	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 lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	cum	25.00	205.45	5136.25
22	2.8.1	"Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m inwidth or 10 sqm on plan), including dressing of sides and ramming ofbottoms, lift upto 1.5 m, including getting out the excavated soil anddisposal of surplus excavated soil as directed, within a lead of 50 m." : All kinds of soil.	cum	2378.00	286.85	682129.30
23	4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 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	176.00	7365.15	1296266.40
24	5.1.3	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 : 1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size de rived from natural sources)	cum	1.00	7945.65	7945.65
25	5.9.1	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	Sqm	1942.00	307.95	598038.90

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26	5.9.3	Centering and shuttering including strutting, propping etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform	Sqm	1.00	766.55	766.55
27	5.9.5	Centering and shuttering including strutting, propping etc. and removal of form for; Lintels, beams, plinth beams, girders, bressumers and cantilevers	Sqm	1.00	608.35	608.35
28	5.9.6	Centering and shuttering including strutting, propping etc. and removal of form for : Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	1892.00	804.25	1521641.00
29	6.1.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in(upto plinth level):: Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	7.00	6882.00	48174.00
30	6.1.2	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in(upto plinth level): Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	65.00	6658.25	432786.25
31	6.4.2	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 : Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	557.00	8288.35	4616610.95
32	9.1.2	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): Sal wood	cum	0.10	106720.85	10672.09
33	9.103	Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.	Each	2.00	739.80	1479.60
34	10.5.1	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3 mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer.: Using M.S. angels 40x40x6 mm for diagonal braces	Sqm	2.50	4781.15	11952.88
35	13.1.1	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand)	Sqm	150.00	294.85	44227.50
36	13.1.2	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	Sqm	3000.00	282.00	846000.00
37	13.2.2	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement : 6 fine sand)	Sqm	3000.00	324.30	972900.00
38	13.7.1	12 mm cement plaster finished with a floating coat of neat cement of mix : 1:3 (1 cement: 3 fine sand)	Sqm	20.00	374.15	7483.00
39	15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.: Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	cum	3.00	2007.10	6021.30
40	15.7.4	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.: In cement mortar	cum	2.00	1698.45	3396.90

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41	17.2.1	Providing and fixing white vitreous china pedestal type water closet(European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	Each	2.00	5540.55	11081.10
42	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	Each	3.00	886.25	2658.75
43	18.6.4	Providing and fixing 3 layer PP-R (Poly propylene Random copolymer) pipes confirming to IS:15801 UV stabilized & anti - microbial fusion welded, having thermal stability for hot & cold water supply, including all PP - R plain & brass threaded polypropylene random fittings, including trenching, refilling & testing of joints complete as per direction of Engineer-in-Charge. : PN - 16 Pipe, 40 mm OD (SDR-7.4)	Metre	50.00	419.25	20962.50
44	18.8.2	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. ": 20 mm nominal dia Pipes	Metre	25.00	513.75	12843.75
45	18.8.3	"Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. ": 25 mm nominal dia Pipes	Metre	30.00	626.05	18781.50
46	18.9.4	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. : 32 mm nominal dia Pipes	Each	50.00	435.05	21752.50
47	9.20.1	"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." : 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	4.50	3086.10	13887.45
48	9.48.2	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.: Fixed to openings /wooden frames with rawl plugs screws etc.	Kg	120.00	197.70	23724.00
49	9.96.1	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete : 300x16 mm	Each	6.00	260.30	1561.80

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50	9.97.2	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :250x10 mm	Each	24.00	104.40	2505.60
51	9.97.4	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 150x10 mm	Each	12.00	75.55	906.60
52	11.26.1	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) :25 mm thick	Sqm	1.00	1706.60	1706.60
53	11.41.2	Providing and laying vitrified floor tiles in different sizes (thickness to bespecified 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 thejoints with white cement and matching pigments etc., complete.: Size of Tile 600x600 mm	Sqm	28.00	1416.65	39666.20
54	11.55.1	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 : 4coarse 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 : Flamed finish granite stone slab Jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	Sqm	3.00	2589.90	7769.70
55	12.43.1	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.: 75 mm PVC pipe	Metre	84.00	309.50	25998.00

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56	12.45.1	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 25mm 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 : 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)	Sqm	50.00	1145.95	57297.50
57	13.37.1	White washing with lime to give an even shade :New work (three or more coats)	Sqm	75.00	32.45	2433.75
58	13.39.1	Colour washing such as green, blue or buff to give an even shade : New work (two or more coats) with a base coat of white washing with lime	Sqm	6785.00	44.25	300236.25
59	13.48.2	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : 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	210.00	144.90	30429.00
60	13.48.3	Finishing with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications : 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	317.00	140.05	44395.85
61	13.50.3	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works	Sqm	192.00	55.50	10656.00
62	13.50.4	Applying priming coat: With ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel work (second coat)	Sqm	192.00	29.75	5712.00

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63	13.81.2	Distempering with 1st quality acrylic distemper, 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.: Two coats	Sqm	790.00	90.05	71139.50
64	15.12.1	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :Of area 3 sq. metres and below	Each	8.00	302.70	2421.60
65	16.18.1	With G.I. barbed wire	Running Metre	15000.00	19.60	294000.00
66	17.25.1	Providing and fixing white vitreous china wash basin including making all connections but excluding the cost of fittings : Flat back wash basin of size 630x450 mm	Each	2.00	1149.60	2299.20
67	17.26.1	Providing and fixing kitchen sink including making all connections excluding cost of fittings.: White glazed fire clay sink of size 600x450x250 mm	Each	1.00	1884.60	1884.60
68	17.73.2	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.: 600 mm long towel rail with total length of 645 mm, width 78 mm and effective height of 88 mm, weighing not less than 190 gms.	Each	2.00	600.05	1200.10
69	18.15.1	Providing and fixing brass bib cock of approved quality : 15 mm nominal bore	Each	9.00	303.85	2734.65
70	18.16.1	Providing and fixing brass stop cock of approved quality : 15 mm nominal bore	Each	8.00	303.85	2430.80
71	18.17.1	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 25 mm nominal bore	Each	3.00	532.35	1597.05
72	18.17.2	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 32 mm nominal bore.	Each	2.00	589.90	1179.80
73	18.18.3	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete :25 mm nominal bore	Each	1.00	399.15	399.15
74	18.22.1	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 100 mm diameter	Each	2.00	166.35	332.70
75	5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.: Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	49100.00	89.65	4401815.00
76	9.100.1	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete : 125 mm	Each	25.00	60.05	1501.25
77	9.101.1	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.: Single rubber stopper	Each	12.00	35.50	426.00
78	9.117.2	Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ± 1 mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer's specification and direction of Engineerin- charge: Extruded section profile size 42x50 mm	Metre	9.90	280.70	2778.93

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79	9.118.1	Providing and fixing to existing door frames.: 24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (\pm 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (\pm 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (\pm 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (\pm 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).	Sqm	3.06	1790.65	5481.18
80	9.5.2.1	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): Kiln seasoned and chemically treated hollock wood: 35 mm thick shutters	Sqm	3.50	2511.95	8791.82
81	9.7.7.1	Providing and fixing panelling or panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick : Float glass panes: 4 mm thick glass pane (weight not less than 10kg/sqm).	Sqm	3.50	1897.10	6639.85
82	13.109.1	Finishing walls with water proofing cement paint of required shade : Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litres/10 sqm complete including cost of Priming coat.	Sqm	370.00	94.15	34835.50
83	18.17.1A	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) : 20 mm nominal bore	Each	3.00	461.75	1385.25
84	18.6 A.4	Providing and fixing PPR Unions: PPR Union 40mm	Each	2.00	509.80	1019.60
85	21.1.1.1	"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): For fixed portion: Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	10.00	433.95	4339.50

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86	21.1.2.1	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately): Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	Kg	10.00	531.80	5318.00
87	5.33.1.1	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. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion in either re-design the mix or bear the cost of extra cement. All works upto plinth level - Concrete of M25 grade with minimum cement content of 330 Kg/cum	cum	383.00	8683.80	3325895.40
88	5.33.2.1	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. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion in either re-design the mix or bear the cost of extra cement.: All works above plinth level and upto level floor V (Copying works)- Concrete of M25 grade with minimum cement content of 330 Kg/cum	cum	220.00	10306.20	2267364.00
89	17.28.2.1	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.: Flexible pipe: 32 mm dia	Each	3.00	104.35	313.05
90	17.35.1.1	Providing and fixing soil, waste and vent pipes ::100 mm dia: Sand cast iron S&S pipe as per IS: 1729	Each	40.00	1018.05	40722.00
91	17.35.2.1	Providing and fixing soil, waste and vent pipes :75 mm diameter : Sand cast iron S&S pipe as per IS: 1729	Metre	10.00	931.55	9315.50
92	17.39.1.1	Providing and fixing plain bend of required degree: 100 mm dia: Sand cast iron S&S as per IS - 1729	Each	3.00	412.95	1238.85
93	18.21.2.1	Providing and fixing up lasticised PVC connection pipe with brass unions :45 cm length: 15 mm nominal bore	Each	2.00	85.20	170.40
					Total	23187213.68
Schedule	Schedule B-Electrical Work					
Item- 1	Electrical Work for DFCCIL Camp office at ASN					

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S No.	Item No	Description of Item	Unit	Qty	Rate	Amount
1	1	Supply, fixing ,testing and commissioning of tube light 18 W(make -Havells, Jilco, wipro, philips, Orient)	Numbers	12.00	628.62	7543.44
2	2	Supply, fixing ,testing and commissioning of 2 Ftx 2Ft , 36 W recess mounted LED light fitting. (make -Havells, Jilco, wipro, philips, Orient)	Numbers	10.00	1539.82	15398.20
3	3	Supply of smart LED lamp 9 watt base B-22 input voltage 240V AC(minus 30 percent and plus 20 percent) frequency 50HZ,power factor greater than 0.95,luminous flux(lm) greater than 100, CCT-6500K,Cri greater than 80,beam angle greater than 240 deg.life span greater than 25000 hrs. Operating temp 0 deg to C to (plus) 60 deg C, surge protection up to 2 KV,luminous maintenance (luminous flux decrease less than and equal to 10 percent) warranty 03 years. Lamp shall be meet all safety requirement as per IS:16102(part-1) and performance requirement as per IS:16102(part-1) (The complete system of LED lights (including Driver etc) shall be guaranteed for satisfactorily performance and manufacturing defects for period of 60 months from the date of commissioning or 72 months from the date of supply, whichever is earlier.(Reference: Railway Board's letter no.2006/Elect(G)/150/5 dated 27.03.15)	Numbers	20.00	54.47	1089.40
4	4	"Wiring of light point with PVC insulated, sheathed & stranded single core copper conductor(FRLS) 1.5mm2 (Wire Make-Havells, anchor, Finolex, Polycab, Mescab) with ECC in PVC pipe in concealed with proper excavation and refilling the wall with proper plastering of the wall with supply & fixing of switch, ceiling rose/angular batten holder etc.(make Havells, anchor,Legrand, Slemens, L&T,or C&S) "	Numbers	13.00	214.48	2788.24
5	5	Supply of mini fan regulator, rotary step, 240v,50Hz,100W (make Anchor/Havells/ similar	Numbers	10.00	399.57	3995.70
6	6	"Wiring of C- Fan/Ex-Fan point with PVC insulated, sheathed & stranded single core copper conductor FRLS 1.5mm2 (Wire Make- Havells, anchor, Finolex, Polycab, Mescab) with ECC in PVC pipe in concealed with proper excavation and refilling the wall with proper plastering of the wall with supply & fixing of switch, ceiling rose .(make-Havells, anchor,Legrand, Slemens, L&T or C&S) on surface of wall with ECC including supply and fixing of switch and ceiling rose."	Numbers	13.00	284.07	3692.91
7	7	Fixing & commissioning of of ceiling/Exhaust Fan complete with all requisite material (Fan will be supplied by Railways).	Numbers	13.00	151.72	1972.36
8	8	Wiring of plug point with PVC insulated, sheathed & stranded single core copper conductor FRLS 1.5mm2 (Wire Make-Havells, anchor, Finolex, Polycab, Mescab) with ECC in PVC pipe in concealed with proper excavation and refilling the wall with proper plastering of the wall with supply & fixing of 5Amp plug & socket switch (make- Havells, Anchor, Legrand, L&T, Seimens or C&S)	Numbers	22.00	190.34	4187.48
9	9	Wiring of power plug point 15 Amp with PVC insulated, sheathed and stranded single core, copper conductor FRLS 4mm2 (Wire Make-Havells, anchor, Finolex, Polycab, Mescab) with ECC in PVC pipe in concealed with proper excavation and refilling the wall with supply & fixing of 15Amp Power Plug & Socket flush type, 5 in 1 including controlling switch.(make- Havells, Anchor, Legrand, L&T, Seimens or C&S)	Numbers	15.00	279.77	4196.55

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10	10	Wiring of sub-Main Line with FRLS copper wire single core size 6 mm ² multistrand with PVC pipe concealed with proper excavation and refilling the wall with proper plastering. (Wire Make-Havells,anchor, Finolex, Polycab Mescab)	Metre	30.00	74.68	2240.40
11	11	Wiring of sub-Main with 4 mm ² , PVC FLRS single core , multistrand strand copper wire through suitable size pipe (ISI marked) PVC cundult pipe /casing/ concealed way along with PVC copper ECC at size 2.5mm ² as per General specification of IE rule. (PVC wire make: Finolex/polycab/Mescab/Havells/KEI)	Metre	40.00	130.42	5216.80
12	12	Wiring of Main Line with FRLS copper wire single core size 10mm ² multistand with PVC pipe in concealed with proper excavation and refilling the wall with proper plastering. (Wire Make- Havells,anchor, Finolex, Polycab, Mescab)	Metre	10.00	102.66	1026.60
13	13	"Fixing, connection, testing & Supply of MCB Distribution Board 4-way 8+12 ,double door,IP-43- protection, with supply of MCB 63A, TPN, 10 KA, B- Curve, conforms to IS:60898 -02 Nos as incoming & MCB 20A, DP, 10 KA, B-Curve, conforms to IS:60898- 06 Nos as outgoing. Make - L&T, Havells, Legrand, Havells, C & S (Fixing of Distribution Board to be done as per the site requirement (normally concealed) and connection to be done with suitable conductor including supply of PVC flexiable pipe) "	Numbers	1.00	10215.16	10215.16
14	14	Wiring of call bell point with PVC insulated sheathed and standard single core copper conductor 1.5mm ² (FRLS) (Wire Make-Havells, anchor, Finolex, Polycab, Mescab) with ECC in PVC pipe in concealed with proper plastering of the wall with supply & fixing of call bell and push switch etc.(make- Havells, Anchor, L&T, greatwhite, ABB, Seimens or C&S)	Numbers	5.00	287.70	1438.50
15	15	Fixing of Street Light, with PVC insulated S/core stranded alum. Conductor 2.5mm ² and connection & supply of GI pipe of 30mm 4ft long bend (to suit the street light fitting) as per site requirement and fixing the same with supply of suitable clamp, nut, bolt and washer.	Numbers	4.00	445.34	1781.36
16	16	Wiring of metallic power plug with PVC insulated sheathed & stranded single core copper conductor 4 mm ² (Wire Make-Havells, anchor, Finolex, Polycab, Mescab) with ECC in PVC pipe in concealed with proper excavation and refilling the wall with proper plastering of the wall with supply & fixing of 20 Amp metallic power plug & socked and 20 Amp MCB- DP. (make-Havells, Anchor, Legrand, L&T, Seimens or C&S)	Numbers	6.00	862.70	5176.20
17	17	Removal & refixing , testing and commissioning of existing 1.5/2 ton split AC from DFCCIL Dhanbad & Gaya office to Kolkata & New DFCCIL office at Asansol	Numbers	2.00	5455.82	10911.64
18	19	Supply & Fixing of Glow Sign Boards fitted with framing 24 SWG, 1 inch square MS pipe covered with GI plain sheet 30 SWG with Aluminium angle framing, including back lit flex and all electrical fitting & connection with different size boards as required.	Square Foot	25.00	254.28	6357.00
19	18 a	Extra cost for fixing interconnecting copper pipe work with insulation between indoor and outdoor units as per specification: Suction pipe	Metre	10.00	1003.37	10033.70
20	18 b	Extra cost for fixing interconnecting copper pipe work with insulation between indoor and outdoor units as per specification: liquid line	Metre	10.00	1003.37	10033.70
					Total	109295.34

4. ELIGIBILITY CONDITIONS

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Standard 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 Form 2B, along with copies of Audited Balance Sheets duly certified by the Chartered Accountant/ Certificate from Chartered Accountant duly supported by Audited Balance Sheet.	No	No	Allowed (Mandatory)

Standard Technical Criteria

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	The tenderer must have satisfactorily 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 Note: 1. The tenderers shall submit requisite information as per Form 2A, along with relevant documents.	No	No	Allowed (Mandatory)
1.1	Defination of Similar Work :- Any Civil Engineering Work involving PCC/RCC/PSC work.	No	No	Not Allowed

5. COMPLIANCE

Commercial-Compliance

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

Custom

S.No.	Description	Confirmation Required	Remarks Allowed	Documents Uploading
1	A copy of the tender papers including amendments duly signed and scanned or digitally signed by the tenderer on each and every page in token of his having studied the tender papers carefully shall be attached with the tender	Yes	Yes	Allowed (Mandatory)
2	Documents to be enclosed with the TECHNICAL BID as per Clause 1.3.2(b) of Part-I of Chapter-III of Tender Document	No	Yes	Not Allowed
2.1	Offer letter complete as per Form-1 of Tender Document	No	Yes	Allowed (Mandatory)
2.2	Tenderer's Technical credentials in accordance with Para 1.3.13 (i)(A) of Part-I, Chapter-III (Preamble & General Instructions to Tenderers): As per Form No. 2A of Tender Document	Yes	Yes	Allowed (Mandatory)
2.3	Tenderer's Financial credentials in accordance with Para 1.3.13 (i)(B) of Part-I, Chapter-III (Preamble & General Instructions to Tenderers): As per Form No. 2B of Tender Document	Yes	Yes	Allowed (Mandatory)
2.4	Applicant's Party Information Form: As per Form 2C of tender Document	No	Yes	Allowed (Mandatory)
2.5	Certificates for authenticity of documents/ Format for Affidavit: As per Form 22 of Tender Document	Yes	Yes	Allowed (Mandatory)
2.6	Format of Integrity pact: As per Form 20 of Tender Document	Yes	Yes	Allowed (Mandatory)

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2.7	Details of Earnest money in accordance with Para 1.3.8 of Part-I, Chapter-III (Preamble & General Instructions to Tenderers)	Yes	Yes	Allowed (Optional)
2.8	An undertaking that he is not blacklisted or debarred by Railways or any other Ministry or 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 he was or is a partner/member. Concealment or wrong information in regard to above shall make the contract liable for determination under Clause 62 of the General Conditions of Contract.: As per Clause 1.3.6 of Part-I, Chapter-III (Preamble & General Instructions to Tenderers)	No	Yes	Allowed (Mandatory)
2.9	Documents to be Submitted Along with Tender as per Clause 1.3.6.2 of Part-I, Chapter-III (Preamble & General Instructions to Tenderers)	No	Yes	Allowed (Optional)

6. Documents attached with tender

S.No.	Document Name	Document Description
1	Re-Tender-2DocumentdefenseS.WallASNoffice.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: JOY KARMAKAR

Designation : DYPM/Civil/Kolkata