

BILL OF QUANTITY CUM PRICE SCHEDULE**Name of Project: 765/400kV Sub-Station, Medinipur (West Bengal)****Name of Work: Civil Works for Land Development, Boundary wall and Security Room at Medinipur, West Bengal**

S. No.	Description of Item	Quantity	Unit	Unit Rate	Amount (Rs)
1	Earthwork in excavation over areas (exceeding 30cm in depth 1.5m in width as well as 10sqm on plan) including dewatering as necessary of rain water/subsoil seepage water and disposal of excavated earth upto 100m and lift upto 3.5m, disposed earth to be levelled and neatly dressed.				
(a)	All kinds of soil.	15	cum	137.17	2057.55
(b)	Ordinary rock.	15	cum	209.72	3145.80
(c)	Hard rock(requiring blasting)	5	cum	368.84	1844.20
(d)	Hard rock(blasting prohibited)	5	cum	519.75	2598.75
2	Earthwork in excavation in foundation, trenches or drains (not exceeding 1.5m in width as well as 10sqm on plan) including dewatering as necessary of rain water/subsoil seepage water and dressing of sides and ramming of bottoms, lift upto 3.5m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 100m.				
(a)	All kinds of soil.	460	cum	138.72	63749.14
(b)	Ordinary rock.	340	cum	224.83	76442.20
(c)	Hard rock(requiring blasting)	85	cum	401.72	33979.74
(d)	Hard rock(blasting prohibited)	85	cum	521.71	44129.17
3	Filling available excavated earth (including rock) in trenches, plinth, sides of foundations, etc., in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead upto 100m and lift upto 3.5m.	100	cum	88.87	8887.00
4	Supplying and filling in plinth with Jamuna/local sand under floors including watering, ramming, consolidating and dressing etc all complete	2	cum	794.63	1589.26
5	Carriage & disposal of surplus excavated earth/rock beyond initial lead by mechanical means not necessarily all the times on pucca roads, including loading, unloading, dressing of excavated material, etc., complete as per specifications -.				
(a)	Lead upto 1 km.	851	cum	87.79	74709.29
(b)	Lead upto 3 km.	50	cum	111.33	5566.50
6	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering:				
(a)	1:4:8 (1 cement : 4 fine sand : 8 graded stone aggregate 40 mm nominal size)	610	cum	3210.30	1958283.00
(b)	1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size)	5	cum	3000.00	15000.00
7	Providing and laying in position cement concrete of specified grade for concrete coping, grouting etc excluding the cost of centering and shuttering at all height & Level:				
(a)	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	5	cum	4268.80	21344.00
8	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 :				
(a)	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	5	cum	4782.80	23914.00
9	Providing & fixing in Position Precast cement concrete M25 for Pre-fabricated RCC boundary wall at various elevations in all kinds of work including moulding, formwork, mixing, laying out, compacting and curing, storing, transportation, erection, without damage, setting in position with cement and sand mortar, grouting, chamfering edge, grooves in RCC panel etc all as per specs, drawings C/ENGG/J&M/BW/PRE-FAB/01 and directions of Engr-in-Charge but excluding the cost of reinforcement, inserts, edge angles, etc. (Note:- Cement content considered in M-25 is @330 kg/cum).	900	cum	5190.10	4671090.00

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S. No.	Description of Item	Quantity	Unit	Unit Rate	Amount (Rs)
10	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for RCC work including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement including admixtures in recommended proportions (as per IS 9103) to accelerate, retard setting of concrete, improve workability without impairing strength and durability. - M25 grade. (Note:- Cement content considered in M-25 is @330 kg/cum).				
(i.)	All works up to plinth level	25	cum	4995.12	126247.91
(ii.)	All works above plinth level to floor V level	25	cum	5539.87	138496.75
11	Add for using extra cement in the items of design mix over and above the specified cement content therein.	634	Quintal	504.96	320144.64
12	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete.				
(a)	Foundations, footings, bases of columns, etc. for mass concrete.	4600	sqm	177.00	814200.00
(b)	Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	27	sqm	302.40	8195.64
(c)	Suspended floors, roofs, landings, balconies and access platform.	35	sqm	330.03	11478.44
(d)	Lintels, beams, plinth beams, girders, bressumers, chajjas and cantilevers.	40	sqm	278.11	11225.08
(e)	Columns, Pillars, Piers, Abutments, Posts and Struts.	178	sqm	387.72	69014.16
(f)	Extra for shuttering in circular work	3930	sqm	35.40	139122.00
13	Structural steel work in single section fixed with or without connecting plate, riveted, bolted or welded in built up sections, M.S Pipe Sleeves, M.S. Grating including providing, cutting, hoisting, fixing in position and applying a priming coat of approved steel primer etc all complete as per drawing and specification.	8840	Kg	63.53	561605.20
14	Steel reinforcement of grade Fe-500 or TMT bars of equivalent grade for R.C.C. work including supplying, straightening, cutting, bending, placing in position and binding including chair and laps etc all complete as per specification at all level and height.	72360	Kg	52.06	3767061.60
15	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	5	cum	3517.21	17586.05
16	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	2	cum	3395.62	8466.58
17	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)	53	cum	4110.66	216726.08
18	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundations and plinth in: cement mortar 1:4 (1 cement : 4 coarse sand)	1	Sqm	442.18	442.18
19	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement : 4 coarse sand)	1	Sqm	505.70	505.70
20	Extra for providing and placing in position 2 Nos. 6mm dia. M.S. bars at every third course of half brick masonry.	2	Sqm	67.13	134.26
21	6mm cement plaster to ceiling of mix: 1:3 (1 cement : 3 fine sand)	17	sqm	107.11	1831.58
22	12 mm cement plaster of mix : 1:6 (1 cement : 6 fine sand)	240	sqm	119.31	28634.40

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S. No.	Description of Item	Quantity	Unit	Unit Rate	Amount (Rs)
23	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement: 6 fine sand)	190	sqm	138.08	26235.20
24	18mm cement plaster on external face of walls in two coats with under layer 12mm thick cement plaster 1:5 (1 cement :5 coarse sand) finished with a top layer of 6mm thick 1:6 cement plaster(1cement : 6 fine sand)	60	sqm	193.97	11638.20
25	Providing and applying white cement based putty of average thickness 1mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth as directed by Engineer-in-charge.	55	sqm	80.65	4435.75
26	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm).	11000	sqm	47.67	524370.00
27	Painting with black anti-corrosive bitumastic paint of approved brand and manufacture to give an even shade: (a) Two or more coats on new work	90	sqm	47.25	4252.50
28	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: (a) Two or more coats on new work over a priming coat of steel primer of approved brand and manufacture	144	sqm	83.57	12016.53
29	Wall painting with premium acrylic emulsion paint of interior grade, 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. (a) Two or more coats on new work	55	sqm	65.16	3583.80
30	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade (a) New work (two or more coats) over and including priming coat with cement primer.(Work to be carried as per relevant IS codes.)	500	sqm	70.74	35367.17
31	Forming groove of uniform size from 12X12mm and upto 25X15mm in plastered surface and joints of ceiling and wall as per approved pattern using wooden battens, nailed to the underlayer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and directions of the Engineer-in-charge.	6	RM	76.51	459.06
32	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing & C. P. flush bend with fittings and C. I. brackets, 40mm flush bend, overflow arrangement with specials of standrad 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: (a) W.C. pan with ISI marked solid plastic seat and lid	1	Each	4455.21	4455.21
33	Extra for using coloured pedestal type W. C. pan (European type) with low level cistern of same colour instead of white vitreous china W.C. pan and cistern.	1	Each	1244.07	1244.07
34	Providing and fixing wash basin of approved colour and size with CI bracket , 15 mm C.P. brass pillar taps, close hole basin mixer 32 mm C.P. brass waste and bottle trap of standard pattern, including painting of fittings etc. as per customer Technical specification including cutting and making good the walls wherever required: (a) White Vitreous China Wash basin flat back size 550x400 mm with a pair of 15 mm C.P. brass pillar taps.	1	No.	1781.59	1781.59

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S. No.	Description of Item	Quantity	Unit	Unit Rate	Amount (Rs)
35	Providing and fixing 100 mm sand cast iron grating for gully, floor or Nahani trap.	1	each	26.09	26.09
36	Providing and fixing 600 x 450 x 6 mm thick beveled edge mirror of float glass (of approved quality) complete shall be fixed mounted on 12 mm thick water proof plywood backing and hardwood beading all-round and mirror fixed to the backing with 4 nos. of CP cap screws & washers, including fixing the mirror to the wall with necessary screws, plugs & washers etc. with each wash basin	1	each	714.83	714.83
37	Providing and fixing toilet paper holder.				
(a)	CP brass.	1	each	266.13	266.13
38	Providing and fixing soil, waste and vent pipes Min. 100mm dia:				
(a)	Sand cast iron S & S pipe.	5	RM	778.72	3893.60
39	Providing and fixing PTMT liquid soap container 109mm wide,125mm high and 112mm distance from wall of standard shape with bracket of same materials with snap fittings of approved quality ,colour and make ,weighing not less than 105 gm (Customer approved Make).	1	each	191.00	191.00
40	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with C.P. Brass screws with concealed fitting arrangement of approved quality and make.				
(a)	600 mm long and min. 25mm dia towel rail with total length of 645mm,width 78mm and effective height 88mm,weighing not less than 190gms.	1	each	440.32	440.32
41	Providing and fixing G.I. Pipes (medium grade) as per IS 1239 Part I & II complete with G.I. Fitting and clamps , including cutting and making good the walls etc. (exposed internal work).				
(a)	15 mm dia nominal bore.	5	RM	171.38	856.90
(b)	20 mm dia nominal bore.	5	RM	199.43	997.15
(c)	25 mm dia nominal bore.	5	RM	257.86	1289.30
(d)	40 mm dia nominal bore.	5	RM	386.13	1930.65
42	Providing and fixing G.I. Pipes (medium grade) as per IS 1239 Part I & II complete with G.I. Fitting and clamps , including cutting chases and making good the walls etc. (Concealed pipe including painting with anti corrosive bitumastic paint)				
(a)	15 mm dia nominal bore.	5	RM	242.96	1214.80
(b)	20 mm dia nominal bore.	5	RM	266.50	1332.50
43	Making connection of GI distribution branch with GI main of following sizes by providing and fixing tee, including cutting and threading the pipe etc., complete.				
(a)	25 to 40mm nominal bore.	1	each	294.13	294.13
44	Providing and fixing C.P. brass bib cock of approved quality conforming to IS: 8931				
(a)	15mm nominal bore	1	each	421.55	421.55
45	Providing and fixing C.P. brass stop angle valve for basin and cistern points of approved quality conforming to IS:8931.				
(a)	15mm nominal bore	1	each	476.53	476.53
46	Providing and fixing brass gate valve with CI wheel of approved quality (screwed end)				
(a)	25mm nominal bore	1	each	395.51	395.51

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S. No.	Description of Item	Quantity	Unit	Unit Rate	Amount (Rs)
47	Constructing masonry Chamber 600x600x750mm or matching with site condition inside , in brick work in cement mortar 1:4 (1 cement : 4 coarse sand) for sluice valve, with CI surface boc 100mm top diameter, 160mm bottom diameter and 180mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size), i/c necessary excavation, foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40mm nominal size) and inside plastering with cement mortar 1:3 (1 cement:3 coarse sand) 12mm thick, finished with a floting coat of neat cement complete as per standard design:				
(a)	With FPS bricks of class 75	1	each	5719.17	5719.17
48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank conforms to IS 12701 of approved brand and manufacture with cover and suitable locking arrangement, float valve and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank. The tank should be ISI marked .	1000	per litre capacity	6.47	6470.00
49	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testiing of joints etc. complete.				
(a)	150 mm diameter.	5	RM	232.30	1161.50
50	Providing and fixing square-mouth S.W. Gully trap grade 'A' complete with C.I. Grating brick masonry chamber with bricks of class designation 75 and water tight C.I. Cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as standard design.: 100 x 100 mm size P type				
(a)	With FPS Brick	1	each	1332.36	1332.36
51	Constructing brick masonry road gully chamber 50 x 45 x 60cm with bricks of class designation 75 in cement mortar 1:4 (1 cement: 4 coarse sand) including 500 x 450mm pre-cast RCC horizontal grating with frame complete as per standard design				
(a)	With FPS bricks 75 class designation	1	each	3386.71	3386.71
52	Constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per attached drawing and specification.	1	each	1687.62	1687.62
53	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded builtup standard tubular and other sections of approved make conforming to IS: 733 and IS:1285, fixed with rawl plugs and screws or with fixing clips or with expansion hold fasteners including necessary filling up of gaps at junctions at top , bottom and sides with required PVC/neoprene felt, etc. Aluminium sections shall be smooth , rust free, straight, mitred and jointed mechanically wherever required including cleat angle, aluminium snap beading for glazing/panelling, CP brass/stainless steel screws, all complete as per architectural drawings and direction of Engineer-in-charge. (Glazing and panelling to be paid for separately).				
(a)	For Fixed Portion				
	Powder coated aluminium (minimum thickness of podwer caoting 50 micron)	38	Kg	411.05	15787.40
(b)	For shutters of doors, windows & ventilators including providing and fixing hinges/pivots and fittings wherever required including the cost of PVC/neoprene gasket required .				
	Powder coated aluminium (minimum thickness of podwer caoting 50 micron)	38	Kg	462.75	17773.07
54	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions, etc., with PVC/neoprene gasket, etc., complete as per the architectural drawings and directions of Engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item).				

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S. No.	Description of Item	Quantity	Unit	Unit Rate	Amount (Rs)
(a)	With glass panes of 5.5mm thickness (weight not less than 13.75kg/sqm)	5	Sqm	960.55	4365.70
55	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS 6315 marked "hardwyn" make (Model 3000) or equivalent for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M. S. sheet outer box with slide plate etc. complete as per direction of Engineer-in-charge.				
(a)	With Stainless steel cover plate	1	Each	2071.26	2071.26
56	Making khurras 45X45cm with average minimum thickness of 5cm cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate of 20mm nominal size) over PVC sheet 1mX1mX400micron, finished with 12mm cement plaster 1:3 (1 cement: 3 coarse sand) and a coat of neat cement rounding the edges and making and finishing the outlet complete.	2	Each	157.75	315.50
57	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm. of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto300mm height including cleaning the surface before treatment. b)Laying brick bats with mortar using broken bricks/brick bats 25 mm to115mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand)admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with waterproofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs c)After two daly excavation/cutting will be measured for payment purpose).using 2.75kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. d)Finishing the surface with 20 mm thick jointless cement mortar of mix1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test.				
	All above operations to be done in order and as directed and specified by the Engineer-in-Charge & as per Specification:				
(a)	With average thickness of 120mm and minimum thickness at khurra as 65 mm.	35	Sqm	834.30	29016.95
58	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes including bend and shoes 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.				
(a)	110 mm diameter	7	RM	219.42	1535.94
59	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50mm hardwood 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.				
(a)	110 mm diameter	2	Each	153.35	306.70
60	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	25	RM	23.59	589.75

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S. No.	Description of Item	Quantity	Unit	Unit Rate	Amount (Rs)
61	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand including finishing the top smooth	20	Sqm	359.25	7185.00
62	Providing and fixing aluminium sliding door bolts anodised (anodic coating not less than .06mm as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc., complete.				
(a)	300 X 16 mm	1	Each	216.13	216.13
63	Supplying chemical emulsion in sealed containers including delivery as specified.				
(a)	Chlorpyrifos/ Lindane emulsifiable concentrate of 20%	1	Ltr	197.20	197.20
64	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) :				
(a)	Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete:				
i	With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration.	5	RM	12.52	62.60
(b)	Along the external wall below concrete or masonry apron using chemical emulsion @ 2.25 litres per linear metre including drilling and plugging holes etc.				
i	With Chlorpyrifos/ Lindane E.C. 20% with 1% concentration.	5	RM	18.77	93.85
(c)	Treatment of soil under existing floors using chemical emulsion @ one litre per hole, 300 mm apart including drilling 12 mm diameter holes and plugging with cement mortar 1 :2 (1 cement : 2 Coarse sand) to match the existing floor :				
i	With Chlorpyrifos/Lindane E.C. 20% with 1% concentration.	15	sqm	93.59	1403.85
65	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete(best make of approved quality).	1	Each	685.62	685.62
66	Providing and fixing bright finished 100mm mortice lock with 6 levers without pair of handles for aluminium door with necessary screws etc complete (Best make of approved quality) as per direction of Engineer-in-charge.	1	Each	434.81	434.81
67	Kota stone flooring, skirting and riser over 20mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match shade of the slab, including rubbing and polishing complete with base of cement mortar 1: 4 (1 cement : 4 coarse sand):				
	Minimum 25 mm thick	20	sqm	1002.92	20058.40
68	62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50kg of cement or as per manufactures specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.	2	sqm	492.92	985.84
69	Cement plaster skirting (up to 30 cm height) with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement.				
	21 mm thick	5	sqm	273.82	1369.10

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S. No.	Description of Item	Quantity	Unit	Unit Rate	Amount (Rs)
70	Providing and fixing concertina coil fencing with punched tape concertina coil 610 mm dia 10 metre openable length (total length 90 m) having 50 no rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y'shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal including necessary bolts or G.I. barbed wire tied to angle iron all complete as per direction of Engineer-in-charge with reinforced barbed tape(R.B.T.) /Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	2630	RM	285.48	750812.40
71	Providing and fixing gate made of medium duty MS pipe, channel, ISMB, square bar etc. including all allied activities, all complete as per customer's specification, drawing and direction Engineer in charge. (Rate shall be inclusive of all labour, material items like Medium duty pipe, fabrication, welding,primer, painting, Al-drops,G.I pipe,fitting and fixture etc.)	1215	KG	82.61	100371.15
72	Providing and laying in position bitumen hot sealing compound for expansion joints etc. Using grade 'A' sealing compound.	7	Per cem depth per cm width per m length	1.75	12.25
72	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete :				
(a)	100 mm dia. R.C.C. pipe	5	RM	231.56	1157.80
(b)	250 mm dia. R.C.C. pipe	5	RM	363.16	1815.80
(c)	300 mm dia. R.C.C. pipe	5	RM	448.49	2242.45
73	Providing and laying non-pressure NP3 class RCC pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement: 2 fine sand) including testing of joints etc., complete.				
(a)	250mm dia. RCC pipe	5	RM	356.87	1784.35
(b)	300mm dia. RCC pipe	5	RM	495.45	2477.25
(c)	450mm dia. RCC pipe	5	RM	721.35	3606.75
74	Providing weep holes including cost of PVC pipes 75mm dia fixing them in position etc complete as per standard specification	5	RM	132.46	662.30
75	R R masonry with CM 1:6 in retaining wall with raised and cut pointing on exposed surface using random rough stone and bond stone including cost of all materials, leads, lift and curing etc complete as per customer drawing and specification For foundation, plinth & super structure.	250	Cum	3376.37	844092.50

BILL OF QUANTITY CUM PRICE SCHEDULE**Name of Project: 765/400kV Sub-Station, Medinipur (West Bengal)****Name of Work: Civil Works for Land Development, Boundary wall and Security Room at Medinipur, West Bengal**

S. No.	Description of Item	Quantity	Unit	Unit Rate	Amount (Rs)
76	LEVELING BY CUTTING AND FILLING: Earthwork in excavation and filling in all types of soil and soft and disintegrated rock in open areas/nallahs/channels to the required slopes , shapes , levels, elevations and profile including trimming of bottom and slopes of excavation , bailing out rainwater (dewatering), pumping, removal of slush,preparing embankment/marginal banks, loosening, dressing,spreading materials in layers not exceeding 200mm, cutting of tree,removal of truncated tree as per direction of Engineer-in-charge, water flooding,compacting to achieve 95% consolidation at optimum moisture content, conducting compaction test, finishing etc all complete, for all leadsanf lifts within leveling boundary,including dosposal of surplus earth and stacking of unsuitable materialwithin a lead of 1000M beyond leveling boundary, withall labour , material,tools,tackles and equipment,safeguards and incidentals, royalty taxes etc.as necessary , as per drawings, specifications and direction of the engineer-in-charge (only excavation/cutting will be measured for payment purpose).	57600	cum	102.24	5889024.00
77	Earthwork filling with borrowed earth including royalty, stacking of borrowed earth at site etc as per Specification and direction of Engineer-In-Charge	23040	cum	277.22	6387148.80
			TOTAL AMOUNT		28003447.75

ANNEXURE-II

**TRANSMISSION BUSINESS GROUP
(SUB- CONTRACTS MANAGEMENT)
TBG - NOIDA**

PRICE SCHEDULE FORMAT

SUB: EXECUTION AND HANDING OVER OF CIVIL WORKS OF BOUNDARY WALL INCLUDING GATE, SITE LEVELLING AND SECURITY ROOM OF 765/400KV SUBSTATION AT MEDINIPUR IN WEST BENGAL.

(a) I/ We hereby agree to execute the above work at ----- % (in figure).....
----- (in words) Above / Below/ At Par the rates of items given in BOQ
(Annexure-I) of subject tender.

NOTE:

1. In this annexure the tenderer shall quote a percentage above/ below/At Par the rates shown in the Bill of Quantities (Annexure-I) of subject tender. The percentage quoted shall be clearly written both in words and figures In case of discrepancy in rates in figure and words, the minimum will be taken into account by BHEL.
2. The quoted percentage will apply to the individual items uniformly.

Date:
Place

Signature of tenderer
Name & Designation of authorized person(s) with seal

ANNEXURE-III

SUMMARY OF EXECUTION AND HANDING OVER OF CIVIL WORKS OF BOUNDARY WALL INCLUDING GATE, SITE LEVELLING AND SECURITY ROOM OF 765/400KV SUBSTATION AT MEDINIPUR IN WEST BENGAL

Sl No.	Description	Amount (Rs.)
1	Total amount as per the rates in BOQ for execution and handing over of civil works of boundary wall including gate, site levelling and security room of 765/400kV substation at Medinipur in West Bengal (Annexure-I)	280,03,447.75
2	Value of percentage above/below/at par (As indicated in Price Schedule Format, Annexure-II) applicable to the total amount of civil work (Sl. no. 1 above)% above/below/ at par
3	Total amount after consideration of percentage above/below/ at par.	