

JAIPUR VIDYUT VITRAN NIGAM LIMITED

Name of work :- Construction of Control room at 33/11 KV GIS Sub-Station

Reference be taken from PWD BSR (Bldg.) 2016 , Electrical 2013 & Road 2013

SCHEDULE OF WORKS

S. No.	Description of work
1	1.8/B-1 Earth work in excavation in foundation trenches or drains lead of 50 mtr. All kinds of soil.
2	3.1.6 & 3.1.2 /B-3 Providing & Laying in position cement concrete.....excluding the cost of centering and shuttering – All work up to plinth level.: (A) 1:4:8 (1 cement:4 coarse sand: 8 graded stone aggregate 40 mm nominal size). (B) M-15grade nominal size (with graded stone aggregate 20mm nominal mix).
3	6.1.6/B-6 R.R stone masonry in foundation and plinth in cement Sand mortar..... 1:6 (1- Cement: 6- Sand).
4	5.2.2/B-5 Brick masonry with F.P.S. bricks of class designation 75 in Super structure in cement mortar 1:6 (1-cement: 6- coarse sand).
5	4.1/B-4 Providing & Laying in position specified grade of cement concrete for all RCC structural elements upto plinth level including curing compaction, finishing with rendering in cement sand mortar 1:3 (1-Cement : 3-Course sand).....)excluding the cost of centering, shuttering and reinforcement. M-20 grade nominal mix / design Mix..
6	4.2/B-4 Providing & Laying in position specified grade of cement concrete for RCC structural elements upto floor three level including curing compaction, finishing with rendering in cement sand mortar 1:3 (1-Cement : 3-Course sand) including attached pilasters, buttresses , plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts ect. M-20 grade nominal mix / design Mix.
7	4.3/B-4 Providing & Laying in position specified grade of cement concrete for RCC structural elements upto floor three level including curing compaction, finishing with rendering in cement sand mortar 1:3 (1-Cement : 3-Course sand) and making good the joints excluding the cost of centering, shuttering and reinforcement for Beams, suspended floors, girders having slope upto - 15o landings, balconies, shelves, chajjas lintels, bands, plain windows, sills, staircases and spiral staircases M-20 grade nominal mix / design Mix.
8	4.9/B-4 Centering and Shuttering with plywood or steel sheets including strutting, propping removal of formwork for foundation in basements rafts, footings, straps beams, bases of columns etc.
9	4.10.1,2&3 /B-4 Centering & shuttering with ply wood or steel sheets i/c strutting propping , bracingfor suspended floors, roofs, landings , staircase, balconies, girders, cantilevers, bands, coping, bed plates, anchor blocks, sills, chhajjas, lintel beams etc. (A)Walls (any thickness) including attached pilasters, buttresses plinth and string course. (B) for suspended floors, roofs, landings , staircase, balconies, girders, cantilevers, bands, coping, bed plates, anchor blocks, sills, chhajjas, lintel beams etc. (c) Columns, pillars, posts and struts etc.
10	4.13.2/B-4 Providing & fabricating reinforcement for R.C.C work including straightening, cutting, bending, placing,..... Hot rolled deformed bars (IS-1139)
11	6.18.1/B-6 Supply & fixing stone lintel/bed plates in cement mortar 1:4 upto 15 cm thick.
12	12.3.2 & 12.3.3/B-12

	Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finished: (A) 20mm thick (B) 12mm thick
13	5.9.3/B-5 Half brick masonry in super structure..... of designation 75 in Cement mortar 1: 6 (1- Cement: 6- Coarse sand).
14	9.5/B-9 Providing & fixing T-iron frames for doors, windows and ventilators of mild steel Tee - sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand :6 graded stone aggregate 20mm nominal size).....applying a priming coat of approved steel primer.
15	9.17.1/B-9 P/F MS sheet 1mm thick single leaf door shutter in angle iron frame 35x35x5mm suitable diagonally braced with 25x3mm flat iron above and below lock rail of size 50x5mm beading red oxide primer paint MS sheet 20 S.W.G
16	6.17.3/B-6 Supply and fixing in walls machine cut and polished stone shelves, tands and sills in CM 1: 3 with machine cut edges. Kota stone 25 to 30mm thick.
17	11.19.2/B-11 Polished blue Kota stone in steps, walls, pillars having fine machine cut edges laid on 12mm (av.) thick cement mortar 1:330mm thick slab area 2001 to 5000 sqcm.
18	7.14/B-07 Providing & fixing 1 st quality standard white, grey, ivory, fume red brown light green, light blue and other light shades Glazed tiles ISI marked (IS 13753 and IS 15622 of size 200mmX300mm in walls, floors, steps, pillars etc. laid on a bed of neat cement slurry finished with flush pointing in white cement mixed with pigments to match the shade of tiles complete (excluding the cost of cement plaster on walls and pillars)
19	7.15/B-07 Providing & fixing 1 st quality MAT finished ceramic tiles size 300X300mm confirming to IS:13755 & IS 15622including the cost of cement mortar bed 1:4.
20	10.22/B-10 Providing Gola 75mmX75mm in cement conc. 1:2: 4 (1 cement : 2 coarse sand : 4 stone aggregatecement mortar 1:3 (1 cement : 3 fuine sand as per standard design.
21	3.8/B-3 P/F precast cement coping 1:2:4 mix 50 mm thick complete as per specifications 50mm
22	10.17.1 / B-10 Grading roof for water proofing teatment with water proofing compound Cement concrete 1:2:4 (1 Cement : 2 coarse sand :4 graded stone aggregate 20mm nominal size)
23	9.19.2 & 9.19.3/B-9 Providing and fixing steel glazed doors windows and ventilator shutters of standard rolled steel section joints mitered and welded with steel lugs 13X3 mm, 10 cm long embedded in c. conc. Block 15X10X10 cm of 1:3:6 (1- cement : 3-Course sand :6-Gr. Stone agg. 20 mm nom. Size) window fixed.
24	9.26/B-9 Supplying and fixing fixed wire gauge of 14 mesh X 24 gauge not exceeding 150 mm distance.
25	9.27/B-9 Providing and fixing Square bars or other flats welded to windows, ventilators etc.
26	16.1.1.1 & 16.1.2.1/B-16 P & F anodized aluminum work (Anodized to be got done from approved Anodiser) for doors, windows, ventilators and partition with extruded built up standard tubelar and other sections of approved make confirming to IS : 733 & IS : 1285all complete as per architectural drawings and the directions of Engineer in charge.(Glazing and paneling to be paid for separately). (a) For fixed Portion .Anodised aluminum (anodised transparent 81 dyedcoating of grade AC 15, Anodizing to be got done from approved Anodizer)

	(b) For shutters of doors, windows and ventilators(Minimum anodic coating of grade AC 15, Anodizing to be got done from approved Anodizer)
27	16.5.2/B-16 P&F glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/Neoprene gasket With glass panes of 5.0mm thickness (weight not less than 13.75 kg/S.pm.) as per IS: 2835.
28	16.10.1/B-16 P/F expanded grill made of anodized aluminium as per design and drawing having members section of size 7.5 mm x 6.0mm and opening of size 102mm x 99mm(anodised transparent 81 dyed to required shade according to IS : 1868. (Minimum anodic coating of grade AC 15, Anodizing to be got done from approved
29	16.8/B-16 P/F 100mm brass locks for Aluminium door..... etc. complete.
30	16.6.1/B-16 P&F double action hydraulic floor spring With stainless steel cover plate.
31	11.3.1&2 /B-11 Cement concrete flooring grade 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate) . (A) 40mm thick with 20mm thick nominal size aggregate. (B) 75mm thick with 20mm thick nominal size aggregate.
32	11.26/B-11 R.R dry stone kharanja under floor .
33	11.18.1/B-11 Kota stone slabs 25 mm thick iover 20mm(Av.) thick base of CM 1:4 for area of each slab from 901 to 2000 Sqcm
34	11.19.1/B-11 Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12mm (av.) thick cement mortar 1:3For area of each slab upto to 2001 Sqcm
35	9.9 /B-9 Providing and fixing cow catcher made of R.S. joist angles channels MS roundswith priming coat of red oxide (as per design).
36	8.13.2.1/B-8 Providing and fixing external grade board solid core single leaf flush door shutters ISI 2202-67.....'A' 30mm thick. Commercial veneer both side.
37	9.2/B-9 Structural steel work in riveted, bolted or welded in built up section including cutting, hoisting steel primer all complete.
38	9.8.1/B-9 Providing and fixing steel gate gratings and grills made of angles , tees, square bars or other flats black pipewith priming coat of red oxide.
39	9.8.2/B-9 Add extra if square, rectangular hollow tubular sections are used in gate.
40	12.5/B-12 6mm thick cement plaster to ceiling of mix 1:3 (1 cement : 3 fine sand)
41	12.22/B-12 Applying white cement based putty over cement plaster surface for making even surface.
42	12.39.1/B-12 Distempering with oil bound washable distemper.... New work (two or more coats)
43	12.44/B-12 Finishing walls with Acrylic Smooth exterior paint ... New work (Two or more coat applied
44	12.48.1/B-64 Painting with synthetic enamel paintTwo or more coats on new work.
45	1.6/B-1 Earth work in excavation by mechanical means... all kinds of soil.
46	4.1/G-35 Carriage of earth for a lead of 5.0 KM (excluding initial 50mtr lead)
47	1.25/B-1 Filling available excavated earth (excluding rock)... with all lift.

48	9.37/B-9 Providing and fixing concertina coil fencing with required dia 610mm (having 15no. Round per 6 meter length) ...weighth 43.478 gm/meter (cost of MS angle, CCblock shall be paid extra)
49	16.20.1/B-16 30mm thick factory made solid panel PVC door shutter consisting of frmae made out of M.S. tubes of 19 gauge thicknesssd and size of 19mm X 19mm for stiles and 15mmX 15mm , top & bottom rails M.S. frmae shall have a coat of steel primers of approved make and manufacture MS frame covered 5mm thick heat moulded PVC C channel of size 30mm thickness, 70mm width out of which 50mm shall be flat and 20mm shall be tapered in 45 degree angle on either side foming stiles: and 5mm thick 95 mm wide PVC sheet out of which 75mm shall be flat and 20mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 wide PVC sheet out of whioch 75mm shall be flat and 20mm shall be tapared on both sides to form lock rail. Top bottom and lock rails shall be provided either side of the panel. 10 mm (5mmX 2) thick, 20 mm wide cross PVC sheet shall be provided as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet to be fitted in the M.S. frame welded/ sealed to the stiles & railss mwith 7mm (5mm+2mm) thickX 15mm wide PVC sheet bending on inner side and jointed together with solvent cement adheshive. An additional 5mm thick PVC strip of 20mm width is to be stuck on the interior side of the 'C channel using PVC solvent adhesive etc. complete as per direction of Enmgineer -In Charge, manufacture's specifications & drawing (For WC and Bathroom door Shutter)
50	16.19 /B-16 P&F factory madeee PVC door frame of size 50X47 mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet mitred at coners and jointed with 2 No. of 150mm long brackets of 15X15mm M.S. Squre tube, the vertical door profiles to be reinforcement with 19X19mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided throu out the fame. the door frame to be fixed to the wall using M.S. Screws of 65/100 mm size complete as per manufacture specifications & direction of Engineer in charge.
51	12.43.1/B-63 Finishing wall with water proofing cement paint New work (Two or more coats)
52	1.2.2/S-1 P/F Indian type white glazed vitreous china Ist quality WC Orisa Pan.... size 580 x 440 mm.
53	1.22.2/S-3 P & F Low level Flushing Cistern of 10 litres capacity (IS : 2556mark).....: PVC with PVC bend as per IS : 7231 .
54	1.15.3/S-1 P & F Ist quality WVC urinal (IS : 2556 mark) ...Mini stall size 455x385x350mm.
55	1.38.3/S-1 P & F WVC wash basin (Ist quality IS: 2556 mark).....: size 550mm x 400mmm.
56	2.1.1 & 2.1.3/S-2 P & F G.I. pipe (Internal work) with G.I. Fittings ...Exposed on wall (A) 15mm dia nominal bore 'B' class (B) 25mm dia nominal bore 'B' class
57	2.2.1 & 2.2.3/S-2 P & F G.I. pipe (External work) with G.I. Fittings .. (A) 15mm dia nominal bore 'B' class (B) 25mm dia nominal bore 'B' class
58	2.3.1/S-1 Making connection of G.I. distribution branch with G.I. mainupto 25mm dia.
59	2.7.3 & 2.7.5 /S-2 P & F Bib cock (IS: 8931 Mark), Superior quality of approved make: (A) C.P. brass bib cock 15mm nominal bore. (B) C.P. Brass Long body, 15mm nominal bore weight not less than 690 gm
60	2.11.1/S-2 P & F Ball Cock (IS: 1703 Mark) with Rod & P.V.C. Ball complete: Brass wt. 400gm 15mm
61	2.12.1/S-2 P & F Inlet Connection (Angle Valves) ... 15mm Brass(Is: 8931 marked)
62	2.13.2/S-2 P & F 15mm Dia Connection Pipe..... length, 370mm
63	2.15.1& 2.15.3/S-2

	P & F Full - way Valve (IS: 778 Mark) or wheel valve of approved make:
	(A) Gun metal 15 mm nominal bore
	(B) Gun metal 25 mm nominal bore
64	2.26.3/S-2 P & F PVC Storage Tank (IS: 12701 marked indicating the BIS license No), 500 ltr capacity
65	3.5.1/S-3 P & F Square mouth gully trap 'A' grade (IS: marked).....Trap size 150 X 100mm, 7.2 Kg. C.I. cover with frame, internal Chamber size 300 X 300mm.
66	3.17.2 & 3.17.3 /S-3 P & F rigid PVC pipe (IS: 4985 make) class II/(4 Kg./Cm ²). ...r ring and lubricant.
	(A) 75 mm dia
	(B) 110mm dia.
67	3.18.9,3.18.12 & 3.18.4,3.18.10/S-3 P & F rigid PVC pipe (IS: 4985 make)... ring and lubricant.
	(A) Bend 87.5 75mm dia
	(B) Bend 87.5 110mm dia
	(C) Vent Cowel 110mm
	(E) Door tee 75mm Dia
	(F) Door tee 110mm Dia
	(G) Door Bend (top side) 75mm Dia
	(H) Door Bend (top side) 110mm Dia
68	3.20.1/S-3 Construction of manhole in all types of soil inner size 90x60cm 450mm thick masonry in CM 1: 6,depth upto 0.5M.
69	3.23.3/S-3 Construction of soakage well in all types of soil with 300mm thick dry masonry top and bottom 300mm course in CM 1:6, 80mm thick stone slab,....., size 240 cm dia outside & 240 cm depth.
70	3.39.4/S-3 Construction of Cement Concrete Chamber 125mm dia with stainless steel gratings
71	3.28.1/S-3 Construction of septic tank in all types of soil with 40cm thick masonry in CM 1:6 15cm thick CC bed of 1:5:10 M-15 grade CC flooring & over stone slab covering 80mm thick slabsize 200x100x130cm (for 10users.)
72	E 020101,02,03 Wiring of light point/fan point/exhaust fan point/call bell point with 1.5 sqm FR PVC insulated unsheated flexible copper conductor 1.1 KV grade and 1.5 sqm etc. as required (Group - 2)
	(A) Short point up to 3mtr.
	(B) Medium point up to 6mtr.
	(C) Long point up to 10mtr.
73	E 020301 Wiring of three pin 5amp light plug point with 1.5sqm PVC insulated unsheated flexible copper conductor 1.1 KV grade and 1.5 sqm FR...as required (Group - 2) on board.
74	E 020400 S/F following sizes (dia) of ISI marked medium duty PVC conduit 25mm (Group - 2)
75	E 040108 & E040113 Suppling and drawing FR PVC insulated unsheated flexible copper conductor ISI marked (IS: 694) of 1.1 KV grade.... required(Group - 1)
	(A) 2 X 2.5 sqmm.+ 1x1.5 sqmm.
	(B) 2X 4.0sqmm
76	E 040500 S/F of power plug point accessories on 18 SWG metal box of size 175 X 100 X 60 mm... as required.Gr-2
77	E 060112 P&F 240/415 MCB of breaking capacity not less than 10KA(B/C/D/tripping characteristic) ISI marked IS: 8828(1996)....as required (Group - 2) 6A to 32 A rating.
78	E 060212,E060232 P&F 240/415 V isolated conforming to IS : 13947-III/IEC 60947 - 3 on existing board/sheets.... required (Group - 1),

	(B) FOUR pole isolator 63 A rating
79	E 060543 P&F recessed/surface mounting heavy duty horizontal type sheet steel distribution board required Double door (Three phase) 8way Group- 2
80	E170600 P/F 18swg MS recessed fan box, hexagonal/round of size 100mm dia, depth 75mm 12mm dia rod fan hook with 100mm length extended on each side.(Group - 1)
81	E071400 P&F IS 371 marked 6amp surface type ceiling rose
82	E071500 P&F ISI marked 6amp bakelite batten/angle holder
83	E 170100 P & F of heavy duty capacitor starter 900/1400 RPM single phase ISI marked exhaust fan IS 2312 ... (A) 300mm sweep Gr. - 2
84	E 193401 P & F of IP 20 LED batten type... 4' LED shape fixture 18W.
85	E 150200 Plate earthing as per IS 3043 with G.I. earth plate of size 60mmx600mmx3.0mm by embodying 3 to 4 mtr below the ground level with 20mm dia GI B class resistance as required.
86	E 150705 S&L following sizes earth/strips in horizontal or vertical run in ground surface/recess including riveting, soldering, saddles making connections etc. as required 8 SWG GI wire.
87	E150802 S&L following sizes B class G.I. pipes conforming to IS 1239 - P-1 (1990) with accessories for laying earth conductor/strips/cable in ground/surface/recess as required, 20mm dia
88	E203413 P/F IP-65/IP-66 protected LED street lightfixture 80-90 watt.
89	E 110103C P/L XLPE/PVC insulated and PVC sheathed cable of 1.1KV grade with aluminium conductor of IS 7098-1/1554.....sizes 6.00 sqmm x 4core armoured.
90	10.4 (A) i/R-46 P/ erecting direction and place identification retro-reflectorised sign board as per IRC: 67 made of encapsulated lens type reflective sheeting vide clause 1701.2.3, fixing over aluminium sheeting, 2mm thick with area exceeding 0.9 sqm supported on mild steel angle iron posts 75mm x 75mm x6mm, 2 Nos. firmly fixed to the ground by means of properly designed foundation with M-15 grade cement concrete 450mm x 450 mm x 600mm, 600 mm below ground level as per approved drawing and MoRD specification Clause 1701.
91	E296702 S&F ISI marked (IS : 15863) portable fire Extinguisher, ABC type, wall suspension of following capacity 4 Kg
92	9.39 P/F double leaf steel shutter for cupboard, the frame is made of pressed steel ISI section 80x25mm x 1.25mm thick with 1.00mm MS sheet.... including applying priming coat of approved steel primer of red oxide zinc chromate and spray painting in approved shade with deco paint of approved quality complete as per direction of Engineer In Charge.
93	16.49.3/R-75 P & F of Reinforced ferro cement Drain cover designed for "AA" loading duly marked on cover with adequate steel reinforcement having thickness 75 mm to 150mm anticorrosive bitumen painted M.S. Plate Rim and on MS lifting hooksfor drain opening size 701 to 1200 mm standard drain cover size 1500mm x 600mm x 125 mm
94	16.50.1/R-76 P & F of Reinforced ferro cement Drain cover (light duty) designed for side drain for class "B" loading duly marked on cover with adequate steel reinforcement having thickness 50 mm to 75 mm anti-corrosive bitumen painted M.S. Plate Rim and on MS lifting hooks..... for drain opening size 300 to 450 mm standard drain cover size 600mm x 1200 mm x 50 mm
95	14.9.2 Demolishing stone rubble masonry manually/mechanical cement mortar.

JAIPUR VIDYUT VITRAN NIGAM LIMITED

Name of work :- Construction of B wall at 33/11 KV GIS Sub-Station

Reference be taken from PWD BSR (Bldg.) 2016 , Electrical 2013 & Road 2013

S.N	Particulars of Items
1	1.8/B-1 Earth work in excavation by mechanical means.... lead of 50 mtr. All kinds of soil.
2	3.1.6 & 3.1.2 Providing and laying in position cement concrete... All work up to plinth level. (A) 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size). (B) M15 grade Nominal mix 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm Nominal size.)
3	6.1.6 R.R stone masonry for with hard stone in foundation and plinth in cement Sand mortar..... 1:6 (1-Cement: 6- Sand).
4	5.2.2 Brick masonry with F.P.S. bricks of class designation 75 in Super structure.....in cement mortar 1:6 (1- cement: 6- coarse sand).
5	5.4.1 Add extra for square or rectangular pillars in superstructure brick work all sides are free
6	12.3.2 & 12.3.3 Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finished: (A) 20mm thick (B) 12mm thick
7	12.48.1 Painting with synthetic enamel paint Two or more coats on new work.
8	9.2/B-37 Structural steel work in riveted, bolted or welded in built up section including cutting, hoisting...steel primer all complete.
9	9.8.1 Providing and fixing steel gate gratings and grills made of angles , tees, square bars or other flats black pipe..... with priming coat of red oxide.
10	9.8.2/B-36 Add extra if square, rectangular hollow tubular sections are used in gate.
11	3.8 P/F precast cement coping 1:2:4 mix 50 mm thick
12	9.37 P/F concertina coil fencing with required dia 610 mm (having 15 nos round per 6 meter length) up to 3m height of wall with existing angle iron 'Y' shaped placerd 2.4m or 3.00 m apart and with 9 horizontal R.B.T stud tied with GI staples and GI clips to retain horizontal including necessary bolts or GI barbed wire tied to angle iron all complete as per direction of Engineer in Charge with reinforced barbed tape (R.B.T.) / Spring core (2.5 mm thick) wire of high tensile strength of 165 kg/sq,mm with tape (0.52 mm thick) and weight 43.478 gm/metre (Cost OF MS angle, CC block shall be paid extra)
13	12.43.2 Finishing wall with water proofing cement paint.....:New work (two or more coats applied @ 3.84 kg/10sqm)

JAIPUR VIDYUT VITRAN NIGAM LIMITED

Name of work :- Construction of Tube Well at 33/11 KV GIS Sub-Station

Reference be taken from PWD BSR (Bldg.) 2016 , Electrical 2013 & Road 2013

SCHEDULE OF WORKS

S.	Description of work
1	4.3.2/S-4 Const. of tube well from ground level and up to 100 mtr depth and above to accommodate husing and assembly pipe of following sizes in all type of alluviom strata by percussion/rotary drilling method and with gravel after obtaing sand free water) 200mm dia nominal bore.
2	4.2.3/S-04 Const. of tube well up to 100 mtr depth and above sizes in all type of rocks, by DTH system and over burden, to accommodate casing pipe.....: 150mm dia nominal bore
3	4.16/S-4 S & I of 32 mm dia G.I. pipe medium class ISI marked in 3 m length ...hand pump.
4	4.4/S-4 Development of tube well as per IS sp. Using suitable compressortube well.
5	4.9/S-4 S & F M. S. clamp. set of 50 X 6 mm flat submersible set.
6	4.8.4/S-4 S & F tube well cover of M.S. sheet (6 mm th) with nuts and bolts complete for casing size 200 mm dia
7	E-260716 Supply & installation of Submersible motor pump sets ISI marked (IS: 8034-1989) of approved make with required accessories.....100 mm dia submersible pump set have following HP rating, phase, head, min discharge respectively 3 HP, 1-phase, 69-125) mtr, (110-33) LPM, G-1
8	E-040603 P/L ISI marked PVC insulated submersible cable confirming to IS 694 with flexible coper conductor..... 4.0 sq mm 3 core flat. Gr. 1
9	4.5.4/S-4 Supply of ERW MS black casing pipe ISI marked (IS4270/1992) of grade Fe 410 of following size at site of work.200 mm dia nominal bore 168.3 OD with 5 mm thickness and 20.13 Kg. /Mtr weight.
10	4.6.2/S-34 Supply of strainer pipes made of ERW MS black pipe ISI marked of following sizes at the site of work i/c required size of slotting as per IS 8110-1985 : 200mm nominal bore
11	E261311 S/F of oil/ Air break DOL / Star Delta starter made out of sheet steel powder coated For single phase submersible / monoblock pump.0.5 HP to 3.0 HP Gr. 1

JAIPUR VIDYUT VITRAN NIGAM LIMITED

Name of work :- Construction of Cable Trench at 33/11 KV GIS Sub-Station

Reference be taken from PWD BSR (Bldg.) 2016, Electrical 2013 & Road 2013

SCHEDULE OF WORKS

S. No.	Description of work
1	1.8/B-1 Earth work in excavation in foundation trenches or drains lead of 50 mtr. All kinds of soil.
2	3.1.6 & 3.1.2 /B-3 Providing & Laying in position cement concrete.....excluding the cost of centering and shuttering – All work up to plinth level.: (A) 1:4:8 (1 cement:4 course sand: 8 graded stone aggregate 40 mm nominal size). (B) M-15grade nominal size (with graded stone aggregate 20mm nominal mix).
3	6.1.6/B-6 R.R stone masonry in foundation and plinth in cement Sand mortar..... 1:6 (1- Cement: 6- Sand).
4	9.2/B-9 Structural steel work in riveted, bolted or welded in built up section including cutting, hoisting steel primer all complete.
5	16.49.3/R-75 P & F of Reinforced ferro cement Drain cover designed for "AA" loading duly marked on cover with adequate steel reinforcement having thickness 75 mm to 150mm anticorrosive bitumen painted M.S. Plate Rim and on MS lifting hooksfor drain opening size 701 to 1200 mm standard drain cover size 1500mm x 600mm x 125 mm
6	16.50.1/R-76 P & F of Reinforced ferro cement Drain cover (light duty) designed for side drain for class "B" loading duly marked on cover with adequate steel reinforcement having thickness 50 mm to 75 mm anti-corrosive bitumen painted M.S. Plate Rim and on MS lifting hooks..... for drain opening size 300 to 450 mm standard drain cover size 600mm x 1200 mm x 50 mm

JAIPUR VIDYUT VITRAN NIGAM LIMITED

Name of work :- Construction of Transformer Foundation at 33/11 KV GIS Sub-Station

Reference be taken from PWD BSR (Bldg.) 2016 , Electrical 2013 & Road 2013

SCHEDULE OF WORKS

S.	Description of work
1	1.8/B-1 Earth work in excavation in foundation trenches or drains lead of 50 mtr. All kinds of soil.
2	3.1.6 & 3.1.2 /B-3 Providing & Laying in position cement concrete.....excluding the cost of centering and shuttering – All work up to plinth level.: (A) 1:4:8 (1 cement:4 course sand: 8 graded stone aggregate 40 mm nominal size). (B) M-15grade nominal size (with graded stone aggregate 20mm nominal mix).
3	6.1.6/B-6 R.R stone masonry in foundation and plinth in cement Sand mortar..... 1:6 (1- Cement: 6- Sand).
4	12.3.2 & 12.3.3/B-12 Plaster on new surface on walls in cement sand mortar 1:6 including racking of joint etc. complete fine finished: (A) 20mm thick (B) 12mm thick
5	9.2/B-9 Structural steel work in riveted, bolted or welded in built up section including cutting, hoisting steel primer all complete.

JAIPUR VIDYUT VITRAN NIGAM LIMITED

Name of work :- Construction of Approach Road at 33/11 KV GIS Sub-Station

Reference be taken from PWD BSR (Bldg.) 2016 , Electrical 2013 & Road 2013

SCHEDULE OF WORKS

S. No.	Description of work
1	<p>1.1 B-1 Earth work in surface excavation not exceeding 30cm. in depth disposed soil to be levelled and neatly dressed: All kinds of soil</p>
2	<p>3.1.6 & 3.1.2 /B-3 Providing & Laying in position cement concrete.....excluding the cost of centering and shuttering – All work up to plinth level.:</p> <p>(A) 1:4:8 (1 cement:4 coarse sand: 8 graded stone aggregate 40 mm nominal size). (B) M-15grade nominal size (with graded stone aggregate 20mm nominal mix).</p>
3	<p>6.1.6/B-6 R.R stone masonry in foundation and plinth in cement Sand mortar..... 1:6 (1- Cement: 6- Sand).</p>
4	<p>6.7(iv-a) / Chptr- 6 PWD ROAD BSR Chapter - 6 Interlocking Concrete block Pavement With M- 30 Grade 0.30Mtr x 0.30 Mtr x 0.15 Mtr Edge Blocks (measurements Shall be made inner to inner side of edge blocks) Providing & laying of interlocking M 30 grade concrete Block pavements having thickness 100 mm as per drawings and moRD specifications clause 1504 with M-30 Grade 0.30 Mtr x 0.30 Mtr x 0.15 Mtr Edge Blocks</p> <p>Category 'A' dentated units to key into each other on all four faces Zigzag shape as per IRC SP 63-2004</p>