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Percentage BoQ

Tender Inviting Authority: Staff Officer(Civil), Kuju Area

Name of Work : Providing rest shelter at excavation workshop of Topa OCP under Kuju Area.

	Category of Services (To Be Selected by Department)	Category of Bidder(To Be Selected by Bidder)	To Be Entered by Department		
ITC Not Available	Works Contract	Bidder's Status (Mandatory)	Rate of GST (in %)	GST to be Paid By Bidder (in Rs.)	GST to be Paid By CIL/Subsidiary (in Rs.)
Name of the Bidder/ Bidding Firm / Company :		Select	18.00	0.00	0.00

PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate in Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	6	7
0	Item Description/ Heading					
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, for all lift, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.All kinds of soil.	7.88	cum	188.45	1484.99	INR One Thousand Four Hundred & Eighty Four and Paise Ninety Nine Only
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	6.47	cum	1844.00	11930.68	INR Eleven Thousand Nine Hundred & Thirty and Paise Sixty Eight Only
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	8.00	cum	5167.75	41342.00	INR Forty One Thousand Three Hundred & Forty Two Only
4	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 :1:1.5:3 (1 cement : 1.5 coarse sand (zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	6.67	cum	7196.45	48000.32	INR Forty Eight Thousand and Paise Thirty Two Only

5	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fllets, columns, pillars, piers, abutments, posts and struts etc. above plinth level up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement:1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)	3.04	cum	8441.35	25661.70	INR Twenty Five Thousand Six Hundred & Sixty One and Paise Seventy Only
6	Reinforced cement concrete work in beams, suspended foors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources).	2.48	cum	8797.65	21818.17	INR Twenty One Thousand Eight Hundred & Eighteen and Paise Seventeen Only
7	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)	12.34	cum	5150.02	63551.25	INR Sixty Three Thousand Five Hundred & Fifty One and Paise Twenty Five Only
8	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)	21.84	cum	6494.75	141845.34	INR One Lakh Forty One Thousand Eight Hundred & Forty Five and Paise Thirty Four Only
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.Thermo-Mechanically Treated bars of grade Fe-500D or more.	1219.20	kg	75.85	92476.32	INR Ninety Two Thousand Four Hundred & Seventy Six and Paise Thirty Two Only
10	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)	1.65	each	6490.90	10709.99	INR Ten Thousand Seven Hundred & Nine and Paise Ninety Eight Only
11	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	931.26	kg	92.55	86188.11	INR Eighty Six Thousand One Hundred & Eighty Eight and Paise Eleven Only
12	Extra for providing and fixing wind ties of 40x 6 mm flat iron section.	102.00	kg	138.75	14152.50	INR Fourteen Thousand One Hundred & Fifty Two and Paise Fifty Only
13	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	3.15	sqm	7450.80	23470.02	INR Twenty Three Thousand Four Hundred & Seventy and Paise Two Only
14	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.	189.00	kg	160.05	30249.45	INR Thirty Thousand Two Hundred & Forty Nine and Paise Forty Five Only

15	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	30.09	cum	114.40	3442.30	INR Three Thousand Four Hundred & Forty Two and Paise Thirty Only
16	12 mm cement plaster of mix :1:6 (1 cement: 6 fine sand)	323.34	sqm	217.70	70391.12	INR Seventy Thousand Three Hundred & Ninety One and Paise Twelve Only
17	Providing and applying white cement based putty of average thickness 1 mm of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete	375.41	sqm	98.45	36959.11	INR Thirty Six Thousand Nine Hundred & Fifty Nine and Paise Eleven Only
18	Finishing walls with Acrylic Smooth exterior paint of required shade .New work (Two or more coat applied @ 1.67 ltr/sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sarM	153.60	sqm	115.85	17794.56	INR Seventeen Thousand Seven Hundred & Ninety Four and Paise Fifty Six Only
19	Distemping with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer, of required shade and colour all complete:New work (two or more coats) over and including water thinnable priming coat with cement primer having VOC content less than 50 gram/litre	221.81	sqm	115.00	25508.15	INR Twenty Five Thousand Five Hundred & Eight and Paise Fifteen Only
20	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two or more coats on new work	30.75	sqm	99.90	3071.93	INR Three Thousand & Seventy One and Paise Ninety Three Only
21	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete.	10.50	sqm	262.55	2756.78	INR Two Thousand Seven Hundred & Fifty Six and Paise Seventy Eight Only
22	Centering and shuttering including strutting, propping etc. and removal of form for Columns, Pillars, Piers, Abutments, Posts and Struts	62.90	sqm	621.80	39111.22	INR Thirty Nine Thousand One Hundred & Eleven and Paise Twenty Two Only
23	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers	33.04	sqm	470.70	15551.93	INR Fifteen Thousand Five Hundred & Fifty One and Paise Ninety Three Only
24	Centering and shuttering including strutting, propping etc. and removal of form for Weather shade, Chajjas, corbels etc., including edges	10.14	sqm	637.65	6465.77	INR Six Thousand Four Hundred & Sixty Five and Paise Seventy Seven Only
25	Providing and fixing pre-coated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-Charge) of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	90.30	sqm	571.00	51561.30	INR Fifty One Thousand Five Hundred & Sixty One and Paise Thirty Only

26	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost	52.07	sqm	1037.85	54040.85	INR Fifty Four Thousand &Forty and Paise Eighty Five Only
27	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.Size of Tile 600x600 mm	55.67	sqm	1180.40	65712.87	INR Sixty Five Thousand Seven Hundred & Twelve and Paise Eighty Seven Only
28	Providing and laying Vitrified tiles in different sizes (thickness to be specified by manufacturer), with water absorption less than 0.08 % and conforming to I.S. 15622, of approved make, in all colours & shade, in skirting, riser of steps, over 12 mm thick bed of cement mortar 1:3 (1 cement: 3 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joint with white cement & matching pigments etc. complete.Size of Tile 600x600 mm	75.68	sqm	1221.20	92420.42	INR Ninety Two Thousand Four Hundred & Twenty and Paise Forty Two Only
29	Chequered precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).Ordinary cement without any pigment	14.85	sqm	744.80	11060.28	INR Eleven Thousand &Sixty and Paise Twenty Eight Only

30	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 I 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) :Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	76.50	kg	367.10	28083.15	INR Twenty Eight Thousand & Eighty Three and Paise Fifteen Only
31	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)	15.75	sqm	824.65	12988.24	INR Twelve Thousand Nine Hundred & Eighty Eight and Paise Twenty Four Only
32	Providing and fixing precoated galvanised steel sheet roofing accessories of total coated thickness 0.50mm (base metal of minimum 0.45mm thickness with total coating thickness of 0.05mm) with Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete:Ridges plain (500 - 600mm)	10.20	sqm	375.90	3834.18	INR Three Thousand Eight Hundred & Thirty Four and Paise Eighteen Only
33	12 mm cement plaster finished with a floating coat of neat cement of mix :1:4 (1 cement: 4 fine sand)	20.16	each	284.75	5740.56	INR Five Thousand Seven Hundred & Forty and Paise Fifty Six Only
34	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand (zone-II) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources) over 75mm thick bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including necessary excavation, levelling & dressing & finishing the top smooth.	18.80	each	551.30	10364.44	INR Ten Thousand Three Hundred & Sixty Four and Paise Forty Four Only

35	Constructing brick masonry chamber for underground C.I. inspection chamber and bends with bricks in cement mortar 1:4 (1 cement 7 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg), R.C.C. top slab with 1:1.5:3 mix (1. cement : 1.5 fine sand : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 173 (1 cement : 3 coarse sand), finished smooth with a floating coat of neat cement on walls and bed concrete etc, complete as per standard design:With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	each	5179.21	10358.42	INR Ten Thousand Three Hundred & Fifty Eight and Paise Forty Two Only
36	Providing and fixing water closet squatting pan (Indian type W.C.pan) with 100 mm sand cast Iron P or S trap, 10 litre low level whiteP.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:White Vitreous china Orissa pattern W.C. pan of size580x440 mm with integral type foot rests	2.00	each	4774.45	9548.90	INR Nine Thousand Five Hundred & Forty Eight and Paise Ninety Only
37	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	2.00	each	1661.35	3322.70	INR Three Thousand Three Hundred & Twenty Two and Paise Seventy Only
38	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.	2.00	each	1126.55	2253.10	INR Two Thousand Two Hundred & Fifty Three and Paise Ten Only
39	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.110 mm diameter	30.00	mtr	262.40	7872.00	INR Seven Thousand Eight Hundred & Seventy One and Paise One Hundred Only
40	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.110 mm Shoe	2.00	each	100.65	201.30	INR Two Hundred & One and Paise Thirty Only
41	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.110 mm bend	2.00	each	114.60	229.20	INR Two Hundred & Twenty Nine and Paise Twenty Only
42	Making 20 users septic tank	1.00	each	50221.07	50221.07	INR Fifty Thousand Two Hundred & Twenty One and Paise Seven Only

43	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.00	ltr	21770.06	21770.06	INR Twenty One Thousand Seven Hundred & Seventy and Paise Six Only
44	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.	1000.00	mtr	8.40	8400.00	INR Eight Thousand Four Hundred Only
45	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	40.00	mtr	554.00	22160.00	INR Twenty Two Thousand One Hundred & Sixty Only
46	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. 15 mm nominal dia Pipes	15.00	mtr	492.00	7380.00	INR Seven Thousand Three Hundred & Eighty Only
47	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :25 mm nominal bore	2.00	each	462.15	924.30	INR Nine Hundred & Twenty Four and Paise Thirty Only
48	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15 mm nominal bore	2.00	each	615.00	1230.00	INR One Thousand Two Hundred & Thirty Only
49	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	5.00	each	516.35	2581.75	INR Two Thousand Five Hundred & Eighty One and Paise Seventy Five Only
50	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided through out the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer- in-Charge.	9.90	mtr	347.45	3439.76	INR Three Thousand Four Hundred & Thirty Nine and Paise Seventy Six Only

51	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.30 mm thick plain PVC door shutters	3.04	sqm	2092.30	6360.59	INR Six Thousand Three Hundred & Sixty and Paise Fifty Nine Only
52	Total impact of GST for the purpose of CTC	1.000	Nos	0.00	0.00	INR Zero Only
Total in Figures					1327993.12	INR Thirteen Lakh Twenty Seven Thousand Nine Hundred & Ninety Three and Paise Twelve Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only					