

Validate

Print

Help

Percentage BoQ

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

Name of Work : Provisioning of well equiped cabins at entry and exit point of mine with proper arrangement to fix RFID and boom barrier at Topa OCP (03 Nos.), Karma OCP(01 No. and Sarubera OCP(01 No.) of Kuju Area, CCL.

	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	CIVIL PORTION : 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, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil	45.75	cum	188.45	8621.59	INR Eight Thousand Six Hundred & Twenty One and Paise Fifty Nine Only
2	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete	8.25	cum	1844.00	15213.00	INR Fifteen Thousand Two Hundred & Thirteen 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	10.15	cum	5167.75	52452.66	INR Fifty Two Thousand Four Hundred & Fifty Two and Paise Sixty Six Only
4	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)	31.50	cum	5322.15	167647.73	INR One Lakh Sixty Seven Thousand Six Hundred & Forty Seven and Paise Seventy Two Only

5	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)	6.50	cum	7365.50	47875.75	INR Forty Seven Thousand Eight Hundred & Seventy Five and Paise Seventy Five Only
6	Lintels, beams, plinth beams, girders, bressumers and cantilevers	51.90	sqm	470.70	24429.33	INR Twenty Four Thousand Four Hundred & Twenty Nine and Paise Thirty Three Only
7	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.	518.90	kg	75.85	39358.57	INR Thirty Nine Thousand Three Hundred & Fifty Eight and Paise Fifty Six Only
8	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	42.30	cum	114.40	4839.12	INR Four Thousand Eight Hundred & Thirty Nine and Paise Twelve Only
9	Designing, providing, installing and fixing factory finished custom designed cold form Light Gauge Steel Framed super structure comprising of steel wall panel, trusses, purlins etc manufactured out of minimum 0.75 mm thick steel sheet as per design requirements. The steel sheet shall be galvanized (AZ 150gms Aluminium Zinc Alloy coated steel having minimum yield strength 300-550 Mpa) conforming to AISI specifications and IBC 2009 for cold formed steel framing and construction and also as per IS: 875-1987, ISO 800-1984 and IS:801- 1975. The wind load shall be as per provisions of IS 875 (part -III). LGSFS frame shall be designed as per IS: 801 using commercially available software such as Frame CAD Pro-11.7/ STAAD PRO-V8i/ArchitekV2.5.16/ Revit architecture-2011 or equivalent. Proper usage of Connection Accessories like Heavy Duty Tension Ties, Light Duty Hold-ons, Twist Straps (to connect truss with wall frames), Strong Tie, Tie Rod, H-Brackets, Boxing Sections, L-Shaped Angles for better structural stability. The framing section shall be cold form C-type having minimum web depth 89 mm x 39mm flange x 11mm lip in required length as per structural design requirement duly punched with dimple/slot at required locations as per approved drawings. The slots will be along centre line of webs and shall be spaced minimum 250mm away from both ends of the member. The frame can be supplied in panelized or knock down condition in specific dimensions and fastened with screws extending through the steel beyond by minimum of three exposed threads. All self drilling tapping screws for joining the members shall have a Type II coating in accordance with ASTM B633(13) or equivalent corrosion	3957.25	kg	199.10	787888.48	INR Seven Lakh Eighty Seven Thousand Eight Hundred & Eighty Eight and Paise Forty Seven Only

10	<p>Providing and fixing of external wall system on Light gauge steel frame work with outer face cement boards as per standard sizes fixed with self- drilling / taping screws / fasteners @ 60cm c/c of approved make. A groove of 2 mm to 3mm shall be maintained and grooves shall be sealed with silicon based sealant. The board shall be fixed in a staggered pattern. Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm and. Internal face 12.5 mm thick gypsum plaster board fixed on cement board as per standard sizes fixed with self- drilling / taping screws / fasteners @ 60cm c/c of approved make, proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.(cost of frame work to be paid for separately) 26.42.1 Outer face: Outer face having 6mm thick fiber cement board fixed on 9mm thick fiber cement board, Type A, as per IS:14862:2000 (high pressure steam cured) Inner Face :- 12.5 mm thick gypsum plaster board conforming to IS 2095:2011 fixed on 8 mm thick fibre cement board confirming to IS:14862:2000 of type B (High pressure steam cured)</p>	505.85	sqm	2803.15	1417973.43	INR Fourteen Lakh Seventeen Thousand Nine Hundred & Seventy Three and Paise Forty Three Only
11	<p>Providing and fixing internal wall panels on Light gauge steel frame work with 12.5mm thick gypsum plaster board conforming IS 2095:2011 fixed on cement board as per standard sizes fixed with self-drilling / taping screws / fasteners @ 60cm c/c of approved make, Screws shall be of counter sunk rib head of 1.60mm to 4 mm thick or 8 to 10 gauge of length varying from 25 to 45 mm. Proper taping and jointing to be done using fiber mesh tape and epoxy and acrylic based jointing compound for seamless finish.(cost of frame work to be paid for separately Cement Bonded particle board 8 mm (Termite, Fire & Moisture Resistance), as per IS:14276 : 1995</p>	192.85	sqm	1599.15	308396.08	INR Three Lakh Eight Thousand Three Hundred & Ninety Six and Paise Eight Only

12	Providing and fixing in position, 230mm thick factory made Expanded Polystyrene Core (EPS Core) roof/floor panels made of 3 mm dia G.I. wire mesh with 50 mm pitch in both the directions and on both faces of panel, kept at 120 135 mm gap and connected by the zig zag G.I. wire of 3 mm dia at alternate row by welding (at an angle ranging from 50-70 degree). The EPS core shall consist of 100 mm thick EPS of density not less than 20kg/ per cum. The bottom side of the panel shall be finished by applying a layer of 60-65 mm thick cement mortar 1: 3 {1 cement: 3 coarse sand (not having more than 40% stone chips of size upto 6 mm)} with the help of shotcreting equipment etc at a pressure of not less than 1 bar (100Kn/m2) and surface finished with trowel. The top face of the panel shall be provided and finished by applying 70-75 mm thick layer of cement 2121 SUB HEAD : 26- NEW TECHNOLOGIES AND MATERIALS concrete 1:1.5: 3 (1 cement :1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size). Fixing operations of roof/floor panels shall be completed in all respect as per drawings and specifications and under the overall direction of the Engineer-in-charge	135.05	sqm	3662.40	494607.12	INR Four Lakh Ninety Four Thousand Six Hundred & Seven and Paise Twelve Only
13	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the direction of Engineer-in-charge.	92.90	sqm	752.85	69939.77	INR Sixty Nine Thousand Nine Hundred & Thirty Nine and Paise Seventy Six Only
14	Providing and laying gang saw cut 18 mm thick, mirror polished pre moulded and pre polished machine cut granite stone of required size and shape of approved shade, colour and texture in footpath in road side plazas and similar locations, laid over 20mm thick base of cement mortar 1:4 (1cement : 4 coarse sand) including grouting the joints with white cement mixed with matching pigment, epoxy touch ups etc. complete as per direction of Engineer-in-Charge. With granite stone of area less than 0.50 sqm.	74.85	sqm	3466.35	259456.30	INR Two Lakh Fifty Nine Thousand Four Hundred & Fifty Six and Paise Thirty Only
15	Construction of cement concrete kerb with top and bottom width 115 and 165 mm respectively, 250 mm high in M 20 grade PCC on M-10 grade foundation 150 mm thick, foundation having 50 mm projection beyond kerb stone, kerb stone laid with kerb laying machine, foundation concrete laid manually, all complete as per clause 408	188.10	m	345.00	64894.50	INR Sixty Four Thousand Eight Hundred & Ninety Four and Paise Fifty Only

16	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	74.85	sqm	1037.85	77683.07	INR Seventy Seven Thousand Six Hundred & Eighty Three and Paise Seven Only
17	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)	224.10	Kg	367.10	82267.11	INR Eighty Two Thousand Two Hundred & Sixty Seven and Paise Eleven Only
18	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	177.35	Kg	434.00	76969.90	INR Seventy Six Thousand Nine Hundred & Sixty Nine and Paise Ninety Only

19	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): 5 mm thick float glass	89.90	sqm	1090.10	97999.99	INR Ninety Seven Thousand Nine Hundred & Ninety Nine and Paise Ninety Nine Only
20	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge	19.40	sqm	789.70	15320.18	INR Fifteen Thousand Three Hundred & Twenty and Paise Eighteen Only
21	Supplying and installation of delineators (road way indicators, hazard markers, object markers), 80-100 cm high above ground level, painted black and white in 15 cm wide strips, fitted with 80 x 100 mm rectangular or 75 mm dia circular reflectorised panels at the top, buried or pressed into the ground and conforming toIRC-79 and the drawings.	200.00	n	821.00	164200.00	INR One Lakh Sixty Four Thousand Two Hundred Only
22	Provision of rumble strips	135.00	m	2000.00	270000.00	INR Two Lakh Seventy Thousand Only
23	Providing and laying factory made chamfered edge Cement Concrete paver blocks in footpath, parks, lawns, drive ways or light traffic parking etc, of required strength, thickness & size/ shape, made by table vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed of sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand. complete all as per direction of Engineer-in-Charge. 80 mm thick C.C. paver block of M-30 grade with approved color design and pattern.	1250.00	sqm	805.10	1006375.00	INR Ten Lakh Six Thousand Three Hundred & Seventy Five Only
24	ELECTRICAL PORTION: Wiring for light point /fan point/exhaust fan point /call bell point with 1.5sq.mm FRLS PVC insulated copper conductor single core cable in surface/recessed mediu class PVC conduit with piano type switch phenolic laminated sheet suuitable size M.S box and earthing the point with 1.5sq.mm FRLS PVC insulated copper conductor single core cable etc. as required. Group(A)	40.00	Nos	879.00	35160.00	INR Thirty Five Thousand One Hundred & Sixty Only
25	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit as required 2x1.5sq.mm+1x1.5sq.mm earth wire	100.00	mtr	206.00	20600.00	INR Twenty Thousand Six Hundred Only
26	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit as required 2x2.5sq.mm+1x2.5sq.mm earth wire	175.00	mtr	243.00	42525.00	INR Forty Two Thousand Five Hundred & Twenty Five Only

27	Wiring for circuit/submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit as required 2x4sq.mm+1x4sq.mm earth wire	80.00	mtr	295.00	23600.00	INR Twenty Three Thousand Six Hundred Only
28	Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface /recessed steel/PVC conduit as required 2x6 sqmm.	150.00	mtr	190.00	28500.00	INR Twenty Eight Thousand Five Hundred Only
29	Supplying and fixing 5A to 32 A rating, 240/415 V, 10KA, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MOB DB complete with connections testing and commissioning etc, as required single pole and neutral	5.00	Nos	527.00	2635.00	INR Two Thousand Six Hundred & Thirty Five Only
30	Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240V, on surface/recess complete with tinned copper bus bar, neutral bus bar earth bar din bar interconnections powder painted including earthing etc, as required (But without MCB/RCCB/ Isolator)	5.00	Nos	1937.00	9685.00	INR Nine Thousand Six Hundred & Eighty Five Only
31	Supplying, installing, testing and commissioning of following capacity TPN tap off box made of 1.6mm thick sheet steel enclosure duly painted with powder coating on existing rising mains complete with TPN disconnecter FSU and HRC fuses, connections, earthing etc. as required 32A	5.00	nos	8956.00	44780.00	INR Forty Four Thousand Seven Hundred & Eighty Only
32	Supplying and fixing following piano type switch/ socket on the existing switch box/cover including connections etc. as required: A) 5/6 AMP switch	35.00	nos	92.00	3220.00	INR Three Thousand Two Hundred & Twenty Only
33	B) 3 pin 5/6 amp socket outlet	35.00	nos	108.00	3780.00	INR Three Thousand Seven Hundred & Eighty Only
34	C) 6pin 15/16 Amp socket outlet	10.00	nos	174.00	1740.00	INR One Thousand Seven Hundred & Forty Only
35	D) 15/16 amp switch	10.00	nos	138.00	1380.00	INR One Thousand Three Hundred & Eighty Only
36	Earthing with G.I earth plate 600mm X 600mm X 6mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/coke and salt as required	5.00	nos	6492.00	32460.00	INR Thirty Two Thousand Four Hundred & Sixty Only
37	SPLIT AC (invertor model) :- Supply, installation, testing and commissioning of split type wall mounted air conditioning unit of following capacity including indoor, outdoor unit fitted with incertor based rotary compressor, copper condenser and first charge refrigerant R410A. The condensing unit working range should be capable for providing cooling between +/-5 deg.C to 50 deg. C & heating within 0 deg. C to 15 deg. C including connection of copper pipe of required size upto 3 mtr. insulation, cordless remote control auto air swing louvers, wall stand for outdoor unit, connection copper lead wire, condensed water outlet pipe 2 mtr. complete etc as required. Outdoor/indoor units should be of same make (brand) 1.5 TR star rating 5 star	5.00	nos	59142.00	295710.00	INR Two Lakh Ninety Five Thousand Seven Hundred & Ten Only

38	Supplying, erection and testing of approved make electric ceiling fan o fdouble ball bearing complete with standard down rod, canopy, handing shackle, Aluminium blades, without regulator, A.C 230-250 volts including connections with all necessary material complete of approved as required confirming to IS : 374/2019 with upto date amendments ceiling fan (ISI marked) 1200mm Sweep, with minimum air delivery 210 m3/min and service value > 4.00 as per BEE	5.00	nos	2292.00	11460.00	INR Eleven Thousand Four Hundred & Sixty Only
39	Supply and fixing led tube rod comprising of LED tube with nonintegral / integral driver, upto 6500K color temp having 40000 burning hrs life with minimum @ L 70, system lumen output should be minimum with system efficacy > 100 lm/watt LED driver PF> 0.95 & THD <20%. The colour rendering index of LED light should be more tha 70. Submission LM 79-08/IS16106(2012). IEC60598, IEC61347 i/c connection wire testing etc. to complete the job. Tube light LED 1X20/22 watt, Integral i/c batten aluminium body, PC diffuser	10.00	nos	782.00	7820.00	INR Seven Thousand Eight Hundred & Twenty Only
40	Supply and fixing in position LED lamp of approved make 18W 250volt	10.00	Nos	303.00	3030.00	INR Three Thousand &Thirty Only
41	FURNITURE FITTINGS : Supplying of Computer Chair	10.00	No	1694.91	16949.10	INR Sixteen Thousand Nine Hundred & Forty Nine and Paise Ten Only
42	Supplying of computer Table	10.00	No	3388.98	33889.80	INR Thirty Three Thousand Eight Hundred & Eighty Nine and Paise Eighty Only
43	Supply of Ececutive Table	5.00	No	16016.94	80084.70	INR Eighty Thousand &Eighty Four and Paise Seventy Only
44	Supplying of Executive Chair	5.00	No	8218.64	41093.20	INR Forty One Thousand &Ninety Three and Paise Twenty Only
45	Supplying of File Cabinet	5.00	No	5083.05	25415.25	INR Twenty Five Thousand Four Hundred & Fifteen and Paise Twenty Five Only
46	Total impact of GST for the purpose of CTC	1.000	Nos	0.00	0.00	INR Zero Only
Total in Figures					6319925.71	INR Sixty Three Lakh Nineteen Thousand Nine Hundred & Twenty Five and Paise Seventy One Only
Quoted Rate in Figures			Select		0.00	INR Zero Only
Quoted Rate in Words	INR Zero Only					