

COCHIN PORT TRUST

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Tender No: T6/T-1909/2019 -C Date: 19/12/2019 (PRICE BID)

Name of Wok:"Demolishing and re construction of toilet & office room for CISF, CoPT and BPCL at COT" (Retender).

SCHEDULE- A- SCHEDULE OF QUANTITIES TO BE DONE ON CONTRACT

Please Enter the Contractor Name

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
A	Part-A- Demolishing of existing rest room at COT						
1	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unservicable material within 50 meters lead including cost of all lbaour, equipments tools etc. complete as per detailed specifications and directions of the Engineer-in-charge	22.00	One Cubic metre	2466.3	Rupees Two Thousand Four Hundred Sixty Six and Thirty Paise Only	54258.60	Rupees Fifty Four Thousand Two Hundred Fifty Eight and Sixty Paise Only
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead including cost of all labour, equipments, tools etc, complete as per detailed specifications and direction of Engineer-in-charge	12.00	One Cubic metre	1428.95	Rupees One Thousand Four Hundred Twenty Eight and Ninety Five Paise Only	17147.40	Rupees Seventeen Thousand One Hundred Forty Seven and Forty Paise Only

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3	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material within 50 meters lead including cost of all labour, equipments, tools etc. complete as per detailed specifications and as directed by Engineer-in-charge.	15.00	One square metre	41.2	Rupees Forty One and Twenty Paise Only	618.00	Rupees Six Hundred Eighteen Only
4	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved including cost of all labour, equipments, vehicle, tools etc. complete as directed by the Engineer-in-charge.	35.00	One cubic metre	204.4	Rupees Two Hundred Four and Forty Paise Only	7154.00	Rupees Seven Thousand One Hundred Fifty Four Only
B	Part-B- Construction of toilet cum office room CISF, CoPT and BPCL						
5	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 meters lead including cost of all labour, equipments, tools etc. complete as per detailed specifications and directions of the Engineer-in-charge.	0.50	One cubic metre	2466.3	Rupees Two Thousand Four Hundred Sixty Six and Thirty Paise Only	1233.15	Rupees One Thousand Two Hundred Thirty Three and Fifteen Paise Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
6a	Providing and fixing rebars of 20mm dia. for connecting the reinforcement of columns to the existing berth including drilling the existing berth and supply/drilling/cleaning hole and injecting Aapex Resin based ETA approved HIT-RE 500 v3 chemical or approved equivalent, the help of of Hilty HDM 500 dispenser or approved equivalent, into hole of dia and depth as per manufactures specifications and fixing rebars as per the directions of Engineer-in-charge	24.00	Each	879.40	Rupees Eight Hundred Seventy Nine and Forty Paise Only	21105.60	Rupees Twenty One Thousand One Hundred Five and Sixty Paise Only
6b	Providing and fixing rebars of 16mm dia. for connecting the reinforcement of columns to the existing berth including drilling the existing berth and supply/drilling/cleaning hole and injecting Aapex Resin based ETA approved HIT-RE 500 v3 chemical or approved equivalent, the help of of Hilty HDM 500 dispenser or approved equivalent, into hole of dia and depth as per manufactures specifications and fixing rebars as per the directions of Engineer-in-charge	24.00	Each	650.3	Rupees Six Hundred Fifty and Thirty Paise Only	15607.20	Rupees Fifteen Thousand Six Hundred Seven and Twenty Paise Only
7	Providing & filling with 6mm metal mixed with quarry dust inside basement in layes of 20cm thick including consolidation of each layer including cost of all labour, materials, equipments, tools etc. complete as per the directeions of the Engineer-in-charge.	1.50	Each	3746.6	Rupees Three Thousand Seven Hundred Forty Six and Sixty Paise Only	5619.90	Rupees Five Thousand Six Hundred Nineteen and Ninety Paise Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
8	Providing and laying cement concrete of 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing but including cost of all labour, materials, equipments, tools etc. complete as per detailed specifications and directions of the Engineer-in-charge.	1.50	One cubic metre	11102.09	Rupees Eleven Thousand One Hundred Two and Nine Paise Only	16653.14	Rupees Sixteen Thousand Six Hundred Fifty Three and Thirteen Paise Only
9	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 1:4 (1 cement : 4 coarse sand) including cost of all labour, materials, tools, scaffolding etc. complete as as per detailed specifications and directions of Engineer-in-Charge	18.00	One Cubic metre	9836.85	Rupees Nine Thousand Eight Hundred Thirty Six and Eighty Five Paise Only	177063.30	Rupees One Lakh Seventy Seven Thousand Sixty Three and Thirty Paise Only
10	Plastering in cement mortar 1:4 (1 cement: 4 sand) wherever required, 12mm thick including cost of all labour, materials, tools, scaffolding etc. complete as per detailed specifications and directions of Engineer-in-Charge	340.00	One square metre	293.25	Rupees Two Hundred Ninety Three and Twenty Five Paise Only	99705.00	Rupees Ninety Nine Thousand Seven Hundred Five Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
11	Plastering in cement mortar 1:3 (1 cement: 3 fine sand) wherever required, 6mm thick finished with a neat cement slurry and a thick coat of lime wash on top of walls when dry for bearing of RCC slabs and beams including cost of all labour, materials, tools, scaffolding etc. complete as per detailed specifications and directions of Engineer-in-Charge	70.00	One square metre	326.99	Rupees Three Hundred Twenty Six and Ninety Nine Paise Only	22889.30	Rupees Twenty Two Thousand Eight Hundred Eighty Nine and Thirty Paise Only
12	Centering and shuttering including strutting, propping etc. and removal of form work for lintel / beam including cost of all labour, equipments, tools etc. complete as per the directions of Engineer-In-Charge.	210.00	One square metre	328.86	Rupees Three Hundred Twenty Eight and Eighty Six Paise Only	69060.60	Rupees Sixty Nine Thousand Sixty and Sixty Paise Only

Sl.No:	Sub-heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
13	Providing and laying in position machine batched and machine mixed design mix M-30 grade Reinforced Cement Concrete work for all works above plinth level upto floor V level using cement content as per approved design mix, 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 as per direction of Engineer-in-charge.“ (Note :- Cement content considered in this item is @ 340 kg/cum.“Excess/ less cement used as per design mix is payable/recoverable separately).	20.00	One Cubic metre	12410.81	Rupees Twelve Thousand Four Hundred Ten and Eighty One Paise Only	248216.20	Rupees Two Lakh Forty Eight Thousand Two Hundred Sixteen and Twenty Paise Only
14	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding using Thermo Mechanically Treated bars including cost of all labour, materials, equipments, tools etc. complete as per detailed specifications and direction of Engineer-in-charge.	4000.00	One Kilogram	95.97	Rupees Ninety Five and Ninety Seven Paise Only	383880.00	Rupees Three Lakh Eighty Three Thousand Eight Hundred Eighty Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
15	Providing and laying vitrified floor tiles 500x500 mm size (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 @ 3.3kg/sqm including grouting the joints with white cement and matching pigments including cost of all labour, materials, equipments, tools etc. complete as per detailed specifications and directions of the Engineer-in-charge.	30.00	One square metre	1675.99	Rupees One Thousand Six Hundred Seventy Five and Ninety Nine Paise Only	50279.70	Rupees Fifty Thousand Two Hundred Seventy Nine and Seventy Paise Only
16	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc including cost of all labour, materials, equipments, tools etc. complete as per detailed specifications and directions of Engineer-in-Charge	6.00	One square metre	1394.52	Rupees One Thousand Three Hundred Ninety Four and Fifty Two Paise Only	8367.12	Rupees Eight Thousand Three Hundred Sixty Seven and Twelve Paise Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
17	Providing dadoing with 1st quality ceramic glazed wall tiles of approved shades matching with the flooring, make of johnson or khajaria or Asian or Somany or Orient bell of size not less than 300x 200mm as approved by Engineer-In-charge in dados over 12mm thick bed floor cement mortar 1:3 and fixing tiles in cement slurry including grouting finishing the joints with tile jointing powder of same color, cleaning etc. including cost of all labour, materials, equipments, tools etc. complete as per detailed specifications and as per the directions of Engineer-in-Charge	12.00	One square metre	1262.86	Rupees One Thousand Two Hundred Sixty Two and Eighty Six Paise Only	15154.32	Rupees Fifteen Thousand One Hundred Fifty Four and Thirty Two Paise Only
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes for Internal work - Exposed on wall with 15mm nominal outer dia., having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing, jointing of pipes & fittings with one step CPVC solvent cement and testing of joints including cost of all labour, materials, equipments, tools, testing etc. complete as per detailed specifications and direction of Engineer in Charge.	50.00	One metre	242.39	Rupees Two Hundred Forty Two and Thirty Nine Paise Only	12119.50	Rupees Twelve Thousand One Hundred Nineteen and Fifty Paise Only

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19	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes for Internal work - Exposed on wall with 20mm nominal outer dia., having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing, jointing of pipes & fittings with one step CPVC solvent cement and testing of joints including cost of all labour, materials, equipments, tools, testing etc. complete as per detailed specifications and direction of Engineer in Charge.	75.00	One metre	305.12	Rupees Three Hundred Five and Twelve Paise Only	22884.00	Rupees Twenty Two Thousand Eight Hundred Eighty Four Only
20	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes for Internal work - Exposed on wall with 25mm nominal outer dia., having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing, jointing of pipes & fittings with one step CPVC solvent cement and testing of joints including cost of all labour, materials, equipments, tools, testing etc. complete as per detailed specifications and direction of Engineer in Charge.	100.00	One metre	366.59	Rupees Three Hundred Sixty Six and Fifty Nine Paise Only	36659.00	Rupees Thirty Six Thousand Six Hundred Fifty Nine Only

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21	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes for Internal work - Exposed on wall with 50mm nominal outer dia., having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing, jointing of pipes & fittings with one step CPVC solvent cement and testing of joints including cost of all labour, materials, equipments, tools, testing etc. complete as per detailed specifications and direction of Engineer in Charge.	20.00	One metre	930.11	Rupees Nine Hundred Thirty and Eleven Paise Only	18602.20	Rupees Eighteen Thousand Six Hundred Two and Twenty Paise Only
22	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively including cost of all labour, materials, tools, equipments etc. complete as per detailed specifications and directions of the Engineer In Charge.	2.00	Each	1578.15	Rupees One Thousand Five Hundred Seventy Eight and Fifteen Paise Only	3156.30	Rupees Three Thousand One Hundred Fifty Six and Thirty Paise Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
23	Providing and fixing wash basin White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar tapswith 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 including cost of all labour, materials, equipments, tools etc. complete as per detailed specifications and directions of the Engineer In Charge.	1.00	Each	3426.07	Rupees Three Thousand Four Hundred Twenty Six and Seven Paise Only	3426.07	Rupees Three Thousand Four Hundred Twenty Six and Seven Paise Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
24	<p>Providing and fixing aluminium work for fixed portions of 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, including cost of all labour, materials, tools, equipments etc. complete as per 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)</p>	100.00	One Kilogram	602.26	Rupees Six Hundred Two and Twenty Six Paise Only	60226.00	Rupees Sixty Thousand Two Hundred Twenty Six Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
25	Providing and fixing Aluminium work 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 using Anodised aluminium sections (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) including cost of all labour, materials, equipments, tools etc. complete as per directions of the Engineer-in-charge.	95.00	One Kilogram	703.74	Rupees Seven Hundred Three and Seventy Four Paise Only	66855.30	Rupees Sixty Six Thousand Eight Hundred Fifty Five and Thirty Paise Only
26	Providing and fixing glazing with float glass pains of 4.0mm thickness in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket including cost of all labour, materials, equipments, tools etc. complete as per the directions of Engineer-in-charge	12.00	One square metre	1257.27	Rupees One Thousand Two Hundred Fifty Seven and Twenty Seven Paise Only	15087.24	Rupees Fifteen Thousand Eighty Seven and Twenty Four Paise Only
27	Providing and fixing glazing with float glass pains of 5.50mm thickness in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket including cost of all labour, materials, equipments, tools etc. complete as per the directions of Engineer-in-charge	8.00	One square metre	1702.27	Rupees One Thousand Seven Hundred Two and Twenty Seven Paise Only	13618.16	Rupees Thirteen Thousand Six Hundred Eighteen and Sixteen Paise Only

Sl.No:	Sub- heads and items of work	Approximate Quantity	Unit	Departmental rates (Rs) in figures	Departmental rates (Rs) in words	Amount (Rs) in figures	Amount (Rs) in words
28	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and stainless steel cover plate minimum 1.25 mm thickness with brass pivot and single piece M.S. sheet outer box with slide plate including cost of all labour, materials, equipments, tools etc. complete as per the direction of Engineer-in-charge.	8.00	Each	3483.38	Rupees Three Thousand Four Hundred Eighty Three and Thirty Eight Paise Only	27867.04	Rupees Twenty Seven Thousand Eight Hundred Sixty Seven and Four Paise Only
29	Providing and fixing aluminium tubular handle bar (Anodized -AC 15- Aluminium tubular handle bar) 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws including cost of all labour, materials, equipments, tools etc. complete as per direction of Engineer-in-Charge.	8.00	Each	786.32	Rupees Seven Hundred Eighty Six and Thirty Two Paise Only	6290.56	Rupees Six Thousand Two Hundred Ninety and Fifty Six Paise Only
30	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good, cost of all labour, materials, equipments, tools etc. complete as per the directions of the Engineer-in-charge.	3.00	Each	608.71	Rupees Six Hundred Eight and Seventy One Paise Only	1826.13	Rupees One Thousand Eight Hundred Twenty Six and Thirteen Paise Only

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31	Applying priming coats with water thinnable cement primer on wall surface having VOC content less than 50 grams/litre with primer of approved brand and manufacture including cost of all labour, materials, tools, scaffolding etc. complete as per detailed specifications and directions of the Engineer In Charge.	410.00	One square metre	62.65	Rupees Sixty Two and Sixty Five Paise Only	25686.50	Rupees Twenty Five Thousand Six Hundred Eighty Six and Fifty Paise Only
32	Finishing walls with Acrylic Smooth exterior paint of required shade : (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface including cost of all labour, materials, tools, scaffolding etc. complete as per detailed specifications and directions of the Engineer In Charge.	340.00	One square metre	116.91	Rupees One Hundred Sixteen and Ninety One Paise Only	39749.40	Rupees Thirty Nine Thousand Seven Hundred Forty Nine and Forty Paise Only
33	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. Two coats including cost of all labour, materials, tools, scaffolding etc. complete as per detailed specifications and directions of Engineer-In-Charge.	70.00	One square metre	120.38	Rupees One Hundred Twenty and Thirty Eight Paise Only	8426.60	Rupees Eight Thousand Four Hundred Twenty Six and Sixty Paise Only

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	Total					1576492.53	Rupees Fifteen Lakh Seventy Six Thousand Four Hundred Ninety Two and Fifty Two Paise Only
BIDDER'S QUOTING AREA							
Sl. No	Description of work	Departmental Estimated Cost (Rs)	Percentage Quoted above/below the Departmental Amount by the Bidder		Above/Below	Bidders Quoted Amount (Rs.)	Bidders Quoted Amount (Rs.) in Words
			* In Figures	# In Words			
	Percentage quoted above/ below the departmental amount shown in the above schedule.	1576492.53					
* The tenderer shall quote either plus or minus sign (eg: +5 or -5) in figures only and minimum two decimal digits shall only be accepted. # Contents in cells under column " In Words" shall be entered by the bidder.							

" This is an Electronic Submission. No Need of Signature"