

COCHIN PORT AUTHORITY

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Tender No: T6/T-2002/2024 -C Date: 29/02/2024 (PRICE BID)

Name of Wok:"RENOVATION OF WAREHOUSE NO:6 AT ERNAKULAM WHARF".

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
1	Dismantling Asbestose Cement sheet roofing including ridges, hips, valleys and gutters etc., and stacking the material as directed by the Engineer-incharge including cost of all labour, tools, equipments etc. complete as per detailed specifications and directions of the Engineer-in-charge.	5200.00	One Square Metre	77.33	Rupees Seventy Seven and Thirty Three Paise Only	402116.00	Rupees Four Lakh Two Thousand One Hundred Sixteen 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
2	Providing reinforced by organic fibres and /or inorganic syntheticfibres cement 6 mm thick corrugated sheets (as per IS:14871) roofing up to any pitch and fixing with polymer coated J, or L hooks, bolts and nuts 8 mm dia. G.I. plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required including cost of all material, labour, tools, equipments etc.complete as per detailed specifications and directions of the Engineer-in-charge.	5120.00	One Square Metre	615.98	Rupees Six Hundred Fifteen and Ninety Eight Paise Only	3153817.60	Rupees Thirty One Lakh Fifty Three Thousand Eight Hundred Seventeen and Sixty Paise Only

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3	<p>Providing & fixing UV stabilised fiberglass reinforced plastic sheet roofing up to any pitch, including fixing with polymer coated 'J' or 'L' hooks, bolts & nuts 8mm dia.G.I plain/bitumen washers complete but excluding the cost of purlins, rafters, trusses etc.The sheets shall be manufactured out of 2400 TEX panel rovigs incorporating minimum 0.3% ultra-violet stabiliser in resin system under approximately 2400 psi and hot cured. They shall be of uniform pigmentation and thickness without air pockets and shall conform to IS 10192 and IS 12866.The sheets shall be opaque or translucent, clear or pigmented, textured or smooth as specified.2 mm thick corrugated (2.5" or 4.2" or 6") or step-down (2" or 3" or 6") all material, labour, tools, equipments etc. complete as per directions of the Engineer In Charge.</p>	80.00	One Square Metre	1488.42	Rupees One Thousand Four Hundred Eighty Eight and Forty Two Paise Only	119073.60	Rupees One Lakh Nineteen Thousand Seventy Three and Sixty Paise Only

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4	Providing and fixing ridges and hips in fibre cement reinforced by organic fibres and/or inorganic synthetic fibres roofing with suitable fixing accessories or self drilling fastener and EPDM washer etc. complete.Corrugated serrated adjustable ridges. complete including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and	240.00	One Metre	589.01	Rupees Five Hundred Eighty Nine and One Paise Only	141362.40	Rupees One Lakh Forty One Thousand Three Hundred Sixty Two and Forty Paise Only
5	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead complete including cost of all labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-Charge.	2.00	One Cubic Metre	3444.76	Rupees Three Thousand Four Hundred Forty Four and Seventy Six Paise Only	6889.52	Rupees Six Thousand Eight Hundred Eighty Nine and Fifty Two Paise Only
6	Demolishing brick work in cement mortar manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead complete including all labour, tools equipments etc. complete as per detailed specifications and directions of the Engineer-in-charge.	10.00	One Cubic Metre	1997.65	Rupees One Thousand Nine Hundred Ninety Seven and Sixty Five Paise Only	19976.50	Rupees Nineteen Thousand Nine Hundred Seventy Six and Fifty 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
7	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) all material, labour, tools, equipments etc. complete as per detailed specifications and directions of the Engineer In Charge.	30.00	One Cubic Metre	10613.08	Rupees Ten Thousand Six Hundred Thirteen and Eight Paise Only	318392.40	Rupees Three Lakh Eighteen Thousand Three Hundred Ninety Two and Forty Paise Only
8	Plastering with cement mortar 1:4 (1 cement: 4 fine sand) 12 mm thick including finishing, curing etc. complete including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and directions of the Engineer-in-charge.	220.00	One Square Metre	375.30	Rupees Three Hundred Seventy Five and Thirty Paise Only	82566.00	Rupees Eighty Two Thousand Five Hundred Sixty Six Only
9	Finishing walls with Acrylic Smooth exterior paint of required shade :Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-Charge.	1200.00	One Square Metre	135.77	Rupees One Hundred Thirty Five and Seventy Seven Paise Only	162924.00	Rupees One Lakh Sixty Two Thousand Nine Hundred Twenty Four 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
10	Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x1.25 mm M.S. laths with 1.25 mm thick top cover complete including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-Charge.	60.00	One Square Metre	4001.15	Rupees Four Thousand One and Fifteen Paise Only	240069.00	Rupees Two Lakh Forty Thousand Sixty Nine 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	Extra for providing mechanical device chain and crank operation for operating rolling shutters. Exceeding 10.00 sqm and upto 16.80 sqm in the area complete including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-Charge.	60.00	One Square Metre	1503.85	Rupees One Thousand Five Hundred Three and Eighty Five Paise Only	90231.00	Rupees Ninety Thousand Two Hundred Thirty One Only
12	Providing 200mm dia (class 2) Semicircular PVC eaves gutter with M.S. brackets 50x6mm about 1m c/c as directed by the Engineer-in-charge including cost of all labour, materials, tools, scaffolding etc.complete as per directions of Engineer-in-Charge.	298.00	One Metre	884.00	Rupees Eight Hundred Eighty Four Only	263432.00	Rupees Two Lakh Sixty Three Thousand Four Hundred Thirty Two Only
13	Providing valleys/ Central valleys of 90 cm wide overall in plain G.S. sheet fixed with polymer coated J, or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers complete : 1.60 mm thick with zinc coating not less than 350 gm/m ² . complete including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-Charge.	150.00	One Metre	1800.32	Rupees One Thousand Eight Hundred and Thirty Two Paise Only	270048.00	Rupees Two Lakh Seventy Thousand Forty Eight 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
14	Dismantling eaves gutter , clamp and down pipes and disposing as per the directions of Engineer-in- Charge complete including labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-Charge.	800.00	One Metre	64.34	Rupees Sixty Four and Thirty Four Paise Only	51472.00	Rupees Fifty One Thousand Four Hundred Seventy Two Only
15	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 diametre including cost of all labour, materials, tools, equipments etc. complete as per detailed specifications and directions of	500.00	One metre	414.58	Rupees Four Hundred Fourteen and Fifty Eight Paise Only	207290.00	Rupees Two Lakh Seven Thousand Two Hundred Ninety Only
16	Clearing blockage in central drains of Q sheds/ Warehouses/ OF Sheds by removing deposited wastes from inside of hume pipe drains including clearing manholes, transporting and disposing the rubbish as per the directions of the Engineer in charge including fixing to frames cost of all labour, tools equipments etc. complete as per directions of the Engineer-in-charge.	140.00	One metre	72.50	Rupees Seventy Two and Fifty Paise Only	10150.00	Rupees Ten Thousand One Hundred Fifty 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	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work complete including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-Charge.	2900.00	One Square metre	108.66	Rupees One Hundred Eight and Sixty Six Paise Only	315114.00	Rupees Three Lakh Fifteen Thousand One Hundred Fourteen Only
18	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc. complete including cost of all material, labour, tools, equipments etc. complete as per directions of Engineer-in-Charge.	30.00	One Square metre	828.06	Rupees Eight Hundred Twenty Eight and Six Paise Only	24841.80	Rupees Twenty Four Thousand Eight Hundred Forty One and Eighty 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
19	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :1:1.5:3 (1cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)complete as including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-Charge.	5.00	One Cubic Metre	12647.23	Rupees Twelve Thousand Six Hundred Forty Seven and Twenty Three Paise Only	63236.15	Rupees Sixty Three Thousand Two Hundred Thirty Six and Fifteen Paise Only
20	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted / Thermo Mechaniclly Treated bars including cost of all materials, labour, tools etc. complete as per detailed specifications and directions of the Engineer In Charge.	625.00	One Kilo Gram	113.48	Rupees One Hundred Thirteen and Forty Eight Paise Only	70925.00	Rupees Seventy Thousand Nine Hundred Twenty 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
21	Providing, laying, spreading and compacting graded stone aggregate(size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in mechanical mix plant for all leads & lifts, laying in uniform layers with mechanical paverfinisher in subbase / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, including cost of all labour, materials, equipments, tools etc. complete as per detailed specifications and directions of Engineer-in-Charge. complete as per the directions of the Engineer-in-charge.	75.00	One Cubic Metre	3589.77	Rupees Three Thousand Five Hundred Eighty Nine and Seventy Seven Paise Only	269232.75	Rupees Two Lakh Sixty Nine Thousand Two Hundred Thirty Two and Seventy Five 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
22	Providing and laying factory made 100mm thick Cement Concrete paver blocks of M40 grade, thickness & size/ shape, made by table vibratory method , to attain superior smooth finish using PU or equivalent moulds, laid in required colour & pattern over 50mm thick compacted bed of 6mm coarse aggregate, compacting and proper embedding / laying of inter locking paver blocks into the 6mm coarse aggregate bedding layer through vibratory compaction by using plate vibrator, filling the joints with crusher sand and cutting complete including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-Charge.	950.00	One Square Metre	1030.00	Rupees One Thousand Thirty Only	978500.00	Rupees Nine Lakh Seventy Eight Thousand Five Hundred Only

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23	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 : 8 graded stone aggregate 40 mm nominal size). complete including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-Charge.	8.50	One Cubic Metre	7868.30	Rupees Seven Thousand Eight Hundred Sixty Eight and Thirty Paise Only	66880.55	Rupees Sixty Six Thousand Eight Hundred Eighty and Fifty Five Paise Only
24	Removing existing precast RCC slabs of various sizes across the drain at various location stacking the slabs on the side berm/ convenient places without damaging and making any hindrance to traffic, transporting and relaying the same in the original position after the work including removing the silt from inside the drain, removal garbage and transporting and disposing the rubbish within a lead of 6km etc. complete as per the direction of Engineer-in-Charge including cost of all labor, tools, equipments etc. complete as per directions of the Engineer-in-Charge.	12.00	One Square Metre	289.30	Rupees Two Hundred Eighty Nine and Thirty Paise Only	3471.60	Rupees Three Thousand Four Hundred Seventy One 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
25	Centering and shuttering including strutting, propping etc. and removal of form work for : Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc. including cost of all material, labour, tools, equipments etc. complete as per directions of Engineer-in-Charge.	12.00	One Square Metre	828.06	Rupees Eight Hundred Twenty Eight and Six Paise Only	9936.72	Rupees Nine Thousand Nine Hundred Thirty Six and Seventy Two Paise Only
26	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :1:1.5:3 (1cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-Charge.	3.00	One Cubic Metre	12647.23	Rupees Twelve Thousand Six Hundred Forty Seven and Twenty Three Paise Only	37941.69	Rupees Thirty Seven Thousand Nine Hundred Forty One and Sixty Nine 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
27	Steel reinforcement for R.C.C. Work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Cold twisted / Thermo Mechanicclay Treated barsas per the directions of the Engineer-in-charge. including cost of all material, labour, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-charge.	360.00	One Kilo Gram	113.48	Rupees One Hundred Thirteen and Forty Eight Paise Only	40852.80	Rupees Forty Thousand Eight Hundred Fifty Two and Eighty Paise Only
	Total					7420743.08	

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BIDDERS QUOTING AREA							
				Departmental Estimated amount	Percentage quoted above/ below the Departmental Amount		Above/ Below
Percentage quoted above/ below the departmental amount shown in the above schedule					In Figures	In Words	
	Notes : 1. The Tenderer shall quote either plus or minus sign (eg: +5 or -5) and in figures and words 2. Only two decimal digits shall be accepted 3. Tenderers shall also quote Above/ Below in words themselves in the last column. 4. In case of discrepancy in words and figures the quoted figure in word will prevail			7420743.08			
" This is an Electronic Submission. No Need of Signature"							