

COCHIN PORT AUTHORITY

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Tender No: T6/T-1970/2022 -C Date: 25/08/2022 (PRICE BID)

Name of Wok:"PROVIDING HANDRAIL AT NTB AND REFURBISHMENT OF NTB & STB PILLARS/BEAMS".

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
	Part A						
1	Dismatling Steel work in built up sections in angles, tees, flats and channels including all Gusset plates, bolts, nuts, cutting rivets, welding etc. including cost of all labour, tools, equipments etc. complete as per detailed specifications and directions of the Engineer-in-Charge.	6000.00	Kg	5.64	Rupees Five and Sixty Four Paise Only	33840.00	Rupees Thirty Three Thousand Eight Hundred Forty 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 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): 3 graded stone aggregate 20 mm nominal size). as per detailed specifications, drawings and directions of Engineer-in-Charge.	2.50	M3	12647.23	Rupees Twelve Thousand Six Hundred Forty Seven and Twenty Three Paise Only	31618.08	Rupees Thirty One Thousand Six Hundred Eighteen and Seven Paise Only
3	Structural steel work riveted, bolted or welded in built up sections, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, all labour, materials, tools, equipments etc. complete as per detailed specifications and directions of Engineer-in-charge all complete.	10250.00	Kg	138.28	Rupees One Hundred Thirty Eight and Twenty Eight Paise Only	1417370.00	Rupees Fourteen Lakh Seventeen Thousand Three Hundred Seventy 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
4	Supplying and fixing 5.8 grade fully treaded GI anchor rod M12x 120mm up to a minimum chemical anchoring of 90mm in concrete with Hilti HY 170 or approved equivalent chemical including cost of of all labour, materials, consumables, plants, power and application cost etc. complete as per the specification of manufactures and as directed by the Engineer-in-charge.	520.00	Each	205	Rupees Two Hundred Five Only	106600.00	Rupees One Lakh Six Thousand Six Hundred Only
5	Applying priming coat with ready mixed red oxide/ zinc chromate primer of pproved brand and manufacture on steel galvanised iron/ steel works including cost of all labour, materials, tools etc. complete as per detailed spesifications and directions of Engineer in charge.	360.00	M2	68.90	Rupees Sixty Eight and Ninety Paise Only	24804.00	Rupees Twenty Four Thousand Eight Hundred Four Only
6	Finishing with Epoxy paint of approved brand & make (Two or more coats) at all locations prepared applied as per Manufacturers specification including appropriate priming coat, preparation of surface cost of all labour, materials etc. complete as per direction of the Engineer-in-charge.	360.00	M2	257.88	Rupees Two Hundred Fifty Seven and Eighty Eight Paise Only	92836.80	Rupees Ninety Two Thousand Eight Hundred Thirty Six 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
7	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer complete as per detailed specifications and directions of Engineer-in-Charge.	40.00	M2	92.12	Rupees Ninety Two and Twelve Paise Only	3684.80	Rupees Three Thousand Six Hundred Eighty Four and Eighty Paise Only
8	Finishing walls with water proofing cement paint of required shade of approved make and brand two or more coats including cost of all labour, materials, scaffolding, tools, equipments etc. complete as per detailed specification and direction of Engineer-in-charge.	40.00	M3	124.01	Rupees One Hundred Twenty Four and One Paise Only	4960.40	Rupees Four Thousand Nine Hundred Sixty and Forty Paise Only
9	Disposal of building rubbish / malba / surplus materials/ debris or similar unserviceable, dismantled or waste materials using tipper lorry (6m3) including loading, transporting, unloading and levelling within a lead of 6Km including all labour and consumable etc. as per the direction of the Engineer-in-Charge.	4.00	Day	7395	Rupees Seven Thousand Three Hundred Ninety Five Only	29580.00	Rupees Twenty Nine Thousand Five 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
	Total Part A					1745294.08	Rupees Seventeen Lakh Forty Five Thousand Two Hundred Ninety Four and Seven Paise Only
	Part-B						
1	Surface preparation of the pillars and beams by chipping and removing of the cover concrete up to the rear side of the existing steel reinforcement bar, and the steel reinforcement base shall be exposed using the water jet for the rmoval of all loose particles, fungal and marine growth including cost of all labour, tools, equipments etc. complete as per detailed specifications and directions of the Engineer-in-charge.	115.00	M2	2283.19	Rupees Two Thousand Two Hundred Eighty Three and Nineteen Paise Only	262566.85	Rupees Two Lakh Sixty Two Thousand Five Hundred Sixty Six and Eighty 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
2	<p>Shear Connector: Drilling suitable holes in reinforced or plain cementconcrete with power driven drill machine to a minimum depth of100mm up to 200mm in RC beams, columns to introduce steel bars-shear key, cleaning the drilled holes of loose dust by blowing, insertion of anchoring chemical from cartridges(the anchoring chemical shall be mixed as per manufacturer' s specification,, placingthe shear key bar at every 150mm c/c on the surfaces of the column in position and allowing it to stay undisturbed for 24 hours all complete as per direction of Engineer-in-Charge. Rate quoted shall be inclusive of cost & conveyance of all materials, labour, T&P for power drilling in concrete, anchoring chemical cartridges, plastic nozzle, etc. complete as per detailed specification and direction of the Engineer-in-charge.</p>	40.00	Kg	1425	<p>Rupees One Thousand Four Hundred Twenty Five Only</p>	57000.00	<p>Rupees Fifty Seven Thousand Only</p>

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
3	Supplying and applying Epoxy Resin based concrete bonding agent (a solvent free epoxy resin, which is supplied as a two-pack component in pre- weighed quantities for ready mix and use condition) for bonding between old & new concrete including cost of all labour, bonding agent, tools, equipments etc. complete as per detailed specifications and directions of the Engineer-in-charge.	235.00	Kg	900	Rupees Nine Hundred Only	211500.00	Rupees Two Lakh Eleven Thousand Five Hundred 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
4	Centering and shuttering including strutting, propping etc. and removal of form work for : columns, piers, abutments, pillars, posts, beams etc. as per detailed specifications and directions of Engineer-in-Charge.	120.00	M2	656.27	Rupees Six Hundred Fifty Six and Twenty Seven Paise Only	78752.40	Rupees Seventy Eight Thousand Seven Hundred Fifty Two and Forty Paise Only
5	Providing and laying in position ready mixed M-25 grade concrete for reinforced cement concrete work, using cement content as per approved design mix, manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for reinforced cement concrete work, including pumping of R.M.C. from transit mixer to site of laying , excluding the cost of centering, shuttering finishing and reinforcement including cost of all labour, materials, equipments, tools etc. complete as per detailed specifications and directions of the Engineer-in-charge.	11.50	M3	13321.58	Rupees Thirteen Thousand Three Hundred Twenty One and Fifty Eight Paise Only	153198.17	Rupees One Lakh Fifty Three Thousand One Hundred Ninety Eight and Seventeen Paise Only

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6	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 as per detailed specifications, and directions of Engineer-in-Charge.	2430.00	Kg	113.48	Rupees One Hundred Thirteen and Forty Eight Paise Only	275756.40	Rupees Two Lakh Seventy Five Thousand Seven Hundred Fifty Six and Forty Paise Only
	Total Part B					1038773.82	Rupees Ten Lakh Thirty Eight Thousand Seven Hundred Seventy Three and Eighty
	Total Part A + Part B					2784067.90	Rupees Twenty Seven Lakh Eighty Four Thousand Sixty Seven and

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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			2784067.90			
" This is an Electronic Submission. No Need of Signature"							