

COCHIN PORT TRUSTwww.tenderwizard.com/COPT

Tender No: T6/T-1926/2020-C Date: 07/09/2020 (PRICE BID)

Name of Wok: "Providing 2 Nos. Tube well 150mm dia. up to 150m deep with pumping facility at CoPT avenue walkway at W/ Island" (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
1	Transportation (Mobilisation and demobilisation) of Direct rotary mud flush drilling rig, drilling machines, tools etc. required for the work, erecting in position, dismantling after completion of work with any other incidental expenses including cost of loading, transporting, unloading charges etc. complete as per detailed specifications and directions of the Engineer-in-charge.	2.00	Each	22500.00	Rupees Twenty Two Thousand Five Hundred Only	45000.00	Rupees Forty Five Thousand 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	Boring of Tube Well :- Drilling bore hole of 200 mm dia in all classes of soil including rock upto a minimum depths of 100m below ground level by straight rotary method of drilling using Direct Rotary Mud Flush Drilling rig with suitable cutting/ drilling bits and mud circulation by means of bentonite for bond and to prevent sliding of soil including removal of any obstruction like rubble peice, wood log etc. met with during the course of drilling. The rate shall include hire charges of machinery, cost of digging chanel, trenches cost of fuel, other lubricants, transportation, loading and unloading charges of all tools and bentonite powder and making slurry, labour charges, cost of materials and any other incidental charges, removal of bore muck up at a distance of 6 km as per detailed specification and direction of Engineer-in-charge.	280.00	One metre	1000	Rupees One Thousand Only	280000.00	Rupees Two Lakh Eighty Thousand Only

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3	Boring of Tube Well :- Reaming bore hole to 312.50mm dia in all classes of soil including rock upto the required depth below ground level by straight rotary method of drilling using Direct Rotary Mud Flush Drilling rig with suitable cutting/ drilling bits and mud circulation by means of bentonite for bond and to prevent sliding of soil including removal of any obstruction like rubble peice, wood log etc. met with during the course of drilling. The rate shall include hire charges of machinery, cost of digging chanel, trenches cost of fuel, other lubricants, transportation, loading and unloading charges of all tools and bentonite powder and making slurry, labour charges, cost of materials and any other incidental charges, removal of bore muck up at a distance of 6 km as per detailed specification and direction of Engineer-in-charge.	280.00	One metre	600	Rupees Six Hundred Only	168000.00	Rupees One Lakh Sixty Eight Thousand Only
4	Supplying and installing in position into the drilled well, Medium Casin PVC (CM PVC) pipe of 150mm nominal dia. plain pipes with ISI mark conforming to IS 12818/92 DIN-4925 in 3m or suitable available length each threaded CM pipe with coupling including jointing the ends, fittings all as per detailed specifications and directions of Engineer-in-charge.	270.00	Each	850	Rupees Eight Hundred Fifty Only	229500.00	Rupees Two Lakh Twenty Nine Thousand Five Hundred Only

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5	Conveying to the site, jointing and lowering in position 150mm nominal dia. CM PVC Ribbed Screen pipes with ISI mark having slots about 1.50mm in width and 75mm in length. The slots shall be "V" shaped with smaller opening on the out side conforming to IS 12818/92 providing necessary anchorage at the bottom pipe for proper centering, cleaning the pipe before erection including hire charges of tools and plants, labour charges, fitting suitable PVC end Plug with MS conical arrangements at the bottom etc. complete as per detailed specifications and directions of the Engineer-in-charge.	30.00	One metre	1100	Rupees One Thousand One Hundred Only	33000.00	Rupees Thirty Three Thousand Only
6	Supplying and stacking best quality river pebbles of 4 to 10mm size and packing it inside borehole around CM PVC casing pipe from the bottom upto and including filter portion, compacting, local shifting including cost of materials, tools & tackles etc. complete as per detailed specifications and directions of Engineer-in-charge.	7.00	One Cubic metre	9500	Rupees Nine Thousand Five Hundred Only	66500.00	Rupees Sixty Six Thousand Five Hundred Only

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7	Washing borewell and developing the well using 150PSI Air compressor at a pressure of 10Kg/cm ² by removing drilled materials and bentonite slurry using compressed air or any other approved method. The rate shall include water charge, all costs for conducting yield tests, analysis of water taken from the wells by authorised agency, submitting reports, etc. as per detailed specifications and directions of Engineer-in-charge.	10.00	One Hour	6500	Rupees Six Thousand Five Hundred Only	65000.00	Rupees Sixty Five Thousand Only
8	Providing and applying Clay ball packing on basis of Electric Logging results. Clay packing will be carried out by clay ball method from depth of cement sealing up to ground level, so that any leakage upper zone will not be contaminate the lower fresh water zone. Rate includes supply of clay ball material of required quality for packing, necessary tools, tackles, cost of all labour, equipments, machinery with all leads, lifts, all type of hardware etc. complete as per detailed specifications and directions of Engineer-in-charge.	8.00	One cubic metre	2000	Rupees Two Thousand Only	16000.00	Rupees Sixteen Thousand Only
9	Conducting Electrical Logging through Ground Water Department for identifyinh water quality of drilled bore hole.	2.00	Lumpsu m	20000	Rupees Twenty Thousand Only	40000.00	Rupees Forty Thousand Only

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10	Supplying 3 Phase, 380V/415V, 50HZ, Multi Stage 5HP 12 Stage, Submersible pump of total head not less than 138m, discharge not less than 100 Litre per Minute on 105m head of approved make with ISI mark. The pump shall have 50mm delivery & suitable to 150mm bore well. Guarantee of pump shall be not less than 1 year.	2.00	One Set	43500	Rupees Forty Three Thousand Five Hundred Only	87000.00	Rupees Eighty Seven Thousand Only
11	Supply and fixing of approved good quality and make ISI marked 50mm dia heavy duty CPVC column pipe suitable for 150mm bore well including cost of all labour, materials, tools, equipments etc. complete as per detailed specification and directions of the Engineer-in-charge.	220.00	One metre	475	Rupees Four Hundred Seventy Five Only	104500.00	Rupees One Lakh Four Thousand Five Hundred Only
12	Supplying and erecting good approved quality 18mm Nylon ropes for supporting and lifting of pumps for repair and maintenance including cost of all materials, labour etc. complete as per directions of the Engineer-in-charge.	240.00	One metre	170	Rupees One Hundred Seventy Only	40800.00	Rupees Forty Thousand Eight Hundred Only
13	Supplying and fixing heavy duty 50mm MS clamp & bore cap, GI bend, GI tees and other GI specials required for the work including cost of all materials, labour etc. complete as per the directions of the Engineer-in-charge.	2.00	One Set	7500	Rupees Seven Thousand Five Hundred Only	15000.00	Rupees Fifteen Thousand 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	Supplying and fixing good approved quality 50mm heavy duty Brass Non Return valve and Full Flow valve required for the work as per the directions of the Engineer-in-charge	2.00	One Set	8500	Rupees Eight Thousand Five Hundred Only	17000.00	Rupees Seventeen Thousand Only
15	Supplying and fixing good approved quality heavy duty 50mm Stainless Steel Sub Adaptor to connect the delivery pipe to the pump including cost of all labour, materials, tools, plants etc. complete as per the directions of the Engineer-in-charge.	2.00	One Number	6500	Rupees Six Thousand Five Hundred Only	13000.00	Rupees Thirteen Thousand Only
16	Supplying and installing good approved make Direct On Line (DOL) starter suitable to 5 HP submersible pump with its complete protective devices like mesh, fuse units etc., Electric connection to the nearest Electric point including cost of all materials required, all labour, tools, equipments etc. complete as per the directions of the Engineer-in-charge.	2.00	One Set	6750	Rupees Six Thousand Seven Hundred Fifty Only	13500.00	Rupees Thirteen Thousand Five Hundred Only
17	Supply and installation of good approved quality 3 core 4sqmm copper flat cable suitable for submersible pump set. As per the directions of the Engineer-in-charge.	250.00	One metre	165	Rupees One Hundred Sixty Five Only	41250.00	Rupees Forty One Thousand Two 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
18	Placing the Submersible pump in the Tube well by using Nylon rope supplied including electrical connections and other required fittings, protective measures etc. complete as per directions of the Engineer-in-charge.	2.00	Each	15000	Rupees Fifteen Thousand Only	30000.00	Rupees Thirty Thousand Only
	Total					1305050.00	Rupees Thirteen Lakh Five Thousand Fifty Only
BIDDER'S QUOTING AREA							
	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.	1305050.00					
* 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"