

**RESERVE BANK OF INDIA
ESTATE DEPARTMENT
KANPUR**

TENDER FOR

**Boring and Sinking of 300mm x 150mm diameter Deep Tube
Well in Bank's Officers' Quarters at Tilak Nagar, Kanpur**

Name of Tenderer -----

Address -----

Date of submission: On or before 14.00 hours on May 14, 2009

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Bill of Quantities

Name of work: Boring & sinking of 300mm x 150mm diameter tube well (approximate depth 300±10 metres) in Bank's Officers' Quarters at Tilak Nagar, Kanpur

Sl. No	Description of work	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
1.	Conducting geo physical resistivity survey for selecting a suitable well point/site for a tube well for getting water discharge/yield of 18,000 gallons per hour.	1 Job	Per job		
2.	Transporting, boring equipments, machine, plants and tools, compressors etc. to and from site of work, storing and erection, dismantling and removing the same from the site on completion of work as directed.	1 Job	Per job		
3.	Chemical and bacteriological testing of water as required and submission of reports of the tests	2 tests	Each test		
4	Boring and sinking through any kind of soil, sand etc. for 300x150mm dia tube well as per specifications with any approved system including installation of other equipments such as pumps, tanks etc. complete required for boring and sinking and withdrawal and removal of the same after the work is over as directed. a) From G.L. to 30 m depth b) From 30 to 60 m depth c) From 60 to 90 m depth d) From 90 to 120 m depth e) From 120 to 150m depth f) From 150 to 180 m depth g) From 180 to 210 m depth h) From 210 to 300 m or more depth	 30m 30m 30m 30m 30m 30m 30m 90m	 Per metre Per metre Per metre Per metre Per metre Per metre Per metre Per metre		
5	Supplying 150mm dia m.s. pipe in 3meter long piece with m.s. cutter plug, fixing and fitting them to pipe sockets and	1 set	Per set		

	threaded ends plug at the bottom and lowering it to bottom of the bore hole as directed complete.				
6	Supplying, fitting and lowering 6mm thick 300mm x 150mm dia ERW M.S. pipe jointing with sockets or ring welding etc. complete to the required depth with cutting, threading, painting with red lead primer and bitumen paint etc. complete upto required depth. The pipes will be required to be jointed to the strainer pipes as per direction of the Engineer-in-Charge in pieces or full lengths depending upon the water bearing strata (quantity will depend as per site conditions of water bearing strata. There is a possibility of either reducing or increasing of this quantity). No wastage of pipes will be paid separately. Rate shall include the cost of all fittings, accessories etc. required to complete the work. a) 300mm dia ERW m.s. pipes 6mm thick b) 150mm dia ERW m.s. pipes 5mm thick	48m 210M	Metre Metre		
7	Supplying, fitting, lowering, jointing 6mm thick 150mm dia ERW steel strainer pipes Indal make or equivalent approved make to the required depth including the necessary fittings such as sockets or ring welding ec. And connecting these strainer pipes to M.S. 150mm dia blank pipes. The quantity is tentative and will vary to any extent depending upon the site conditions of water bearing strata. The rate shall include the cost of fittings/ accessories required to complete the work.	40m	Metre		
8	Supplying fitting and fixing 300mm dia 6mm thick m.s. cap on the top of pipe including painting as per specification.	1 No.	Each		
9	Supplying fitting and fixing	1 No.	Each		

	300X150mm dia 6mm thick m.s. reducer at the junction of 300mm and 150mm dia pipes.				
10	Supplying fitting and fixing m.s. centre guide of 150mm dia as per IS specifications.	8 Nos.	Each		
11	Supplying, fitting and fixing m.s. rings as per IS specification. a) 300 mm dia b) 150 mm dia	8 No. 45 Nos.	Each Each		
12	Supply, washing and shrouding with approved pea size (3 to 6mm) gravel in the annular gap between well and strainer pipe as directed. (Filling with clay/puddle clay will not be measured and paid for separately between the bore hole and blank pipe).	60cum	Cum		
13	Electrical logging of bore hole.	1 Test	Per test		
14 (a)	Washing and developing the tube well with the air compressor (at 250 CFM) and furnishing yield test by continues pumping with air compressor for 8 hours per day till the availability of sand free clear water or as specified including cost of fuel and necessary equipments etc. complete.	60 hrs	Per hour		
(b)	Development of the tube well with over pumping unit as per specifications or directed by the Bank's Engineer.	80 hrs	Per hour.		
Total					

Total amount in words and figures _____

Place:

Date :

Signature of Contractor
Name & Address_____