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TENDER

NIT 21660

CIVIL TENDER SCHEDULE NO: 02/14-15

FOR

“BORING/DRILLING WORKS FOR INSTALLATION OF 1 NO. DEEP TUBE WELL FOR
WATER SUPPLY SYSTEM AND DIFFERENT NOS BORE WELLS FOR RAIN
WATER HARVESTING SYSTEM.”

PART2-PRICE BID
(VOLUME III OF NIT)



BHARAT HEAVY ELECTRICALS LIMITED

(A Govt. Of India Undertaking)

INDUSTRIAL VALVES PLANT,

433, INDUSTRIAL COMPLEX

GOINDWAL SAHIB,

DISTT. TARN –TARAN,

PUNJAB , PIN-143422

TENDERER/ CONTRACTOR

ACCEPTING OFFICER (BHEL)



ISO9001,ISO14001
OHSAS18001certified

BHARAT HEAVY ELECTRICALS LIMITED
(A Govt. Of India Undertaking)

INDUSTRIAL VALVES PLANT

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CIVIL TENDER SCHEDULE NO: 02/14-15

IMPORTANT NOTE

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THIS TENDER SPECIFICATION ISSUED TO:

M/S-----

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ACCEPTING OFFICER (BHEL)

**CIVIL
TENDER
SCHEDULE
NO.
02/14-15**

NOTICE INVITING TENDER

{Volume III OF NIT or Part 2 Price Bid OF NIT}

Bharat Heavy Electricals Limited
Industrial Valves Plant
Goindwal, Punjab



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SCHEDULE 'A'
BILL OF QUANTITIES CUM PRICE SCHEDULE

TABLE 1

I.No (1)	Description of Item (2)	Unit (3)	Quantity (4)	Rate (Rs.) In Figures	Rate (Rs.) In Words	Amount (Rs.)
1	Labour charge for Boring/drilling bore well of required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/ bore log, including hire & running charges of all equipment, tools, plants & machineries required for the job, all complete as per direction of Engineer -in-charge, upto 90 metre depth below ground level. Exact Depth of boring to be decided at the time of execution. All Cost against Transportation, erection, dismantling and shifting of boring rigs, machines shall be included in rates quoted. Water required during the drilling works shall be given by BHEL against charges as stipulated in Technical conditions of Contract.					
(a)	For Borewell of Dia 350 mm- for water supply system					
(a.1)	Up to 90 m Depth from NGL (1 bore well at one location)	RM	90.00			
(a.2)	Above 90 m Depth and upto 150 m Depth from NGL	RM	46.00			

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I.No (1)	Description of Item (2)	Unit (3)	Quantity (4)	Rate (Rs.) In Figures	Rate (Rs.) In Words	Amount (Rs.)
(b)	For Borewell of Dia 400 mm-for rain water harvesting system					
(b.1)	Up to 90 m Depth from NGL (3 bore well at 3 different locations)	RM	81.00			
2	Assembling, lowering and fixing in vertical position in bore well for water supply system, unplasticized PVC medium well casing (CM) pipe and unplasticized PVC medium well screen (RMS) pipes with ribs conforming to IS: 12818,of required dia 200 mm, 175 mm and 150 mm respectively issued by BHEL Free of Cost including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge.					
2.1	For Bore Well- -Water Supply System	RM	126.00			
2.2	For Bore Well- Rainwater Harvesting System	RM	81.00			

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I.No (1)	Description of Item (2)	Unit (3)	Quantity (4)	Rate (Rs.) In Figures	Rate (Rs.) In Words	Amount (Rs.)
3	Labour Charge For Erection and Commissioning of Submersible Pump along with its motor as supplied by BHEL having required duty point capacity and along with 50 mm/75 mm NB GI Class B column pipes as supplied by BHEL for total length around 30-42 mtrs after complete fitting of these and lockable PVC submersible cable clamps of protecting device with necessary galvanized nuts, bolts, washers for all & Control Panel complete in all respect as directed by BHEL excluding the cost of Pumps and its assembly, Pipes etc which will be supplied by BHEL Free of cost for water supply system.					
3.1	For Bore Well- -Water Supply System	1 Job	1.00			
4	Gravel packing in tube well construction in accordance with IS: 4097, including providing gravel fine/ medium/ coarse, in required grading & sizes as per actual requirement, all complete as per direction of Engineer-in-charge.	CUM	16.29			

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I.No (1)	Description of Item (2)	Unit (3)	Quantity (4)	Rate (Rs.) In Figures	Rate (Rs.) In Words	Amount (Rs.)
5	Development of tube well in accordance with IS : 2800 (part I) and IS: 11189, to establish maximum rate of usable water yield without sand content (beyond permissible limit), with required capacity air compressor, running the compressor for required time till well is fully developed, measuring yield of well by "V" notch method or any other approved method, measuring static level & draw down etc. by step draw down method, collecting water samples & getting tested in approved laboratory, i/c disinfection of tube well, all complete, including hire & labour charges of air compressor, tools & accessories etc., all as per requirement and direction of Engineer-in-charge.	Hrs	30.00			
6	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removable as per requirement, all complete for bore well of:					
6.1	200 mm dia	Each	4.00			

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I.No (1)	Description of Item (2)	Unit (3)	Quantity (4)	Rate (Rs.) In Figures	Rate (Rs.) In Words	Amount (Rs.)
7	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tube well as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.					
7.1	200 mm clamp.	Each	4.00			
8	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tube well as per IS:2800 (part I).					
8.1	150 mm dia	Each	1.00			
8.2	200 mm dia	Each	3.00			
9	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth, 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50m , disposed earth to be levelled and neatly dressed.					
9.1	All kinds of soil lift upto 1.5 m from ground	CUM	45.00			
9.2	All kinds of soil. Lift from 1.5 m to 3 m from ground	CUM	45.00			
10	Disposal of Excavated Soil From 0 at site to 1 Km by mechanical means including all cost towards loading, unloading, Carriage, fuels, operators etc complete as directed by Engineer in Charge	CUM	54			

(A) Total Amount (Sum of all items from S/n 1 to 10) aboveRs... ..

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(B) Total Amount as above in Words

....Rupees.....

(C) Service Tax on (A) above at the rate of% and Service Tax Amount (in figures)

Rs.....

(D) Total Amount including Service Tax in Figures (Rs.)

.....

(E) Total Amount including Service Tax in Words (Rupees.)

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SCHEDULE 'B'

THE FOLLOWING MATERIALS WILL BE ISSUED FREE OF COST TO CONTRACTOR
FOR EXECUTION OF WORK AT BHEL STORE

SL.NO.	DESCRIPTION	PLACE OF ISSUE
1	CASING PIPES , FILTER PIPES+ SUBMERSIBLE PUMPS+ COLUMN PIPES+ PVC END CAPS WIRES FOR S. PUMPS	: CIVIL STORE- BHEL FACTORY

- 1 It will be the responsibility of the Contractor to submit his demands for the above stores in writing at least seven days in advance of the actual requirement.
- 2 Issue of Stores is subject of the availability at the place of issue cited above, items of stores to be issued by BHEL which are not available at the time of indenting by the contractor may be supplied by BHEL after necessary procurement. The contractor shall not be entitled to any claim of compensation for delay in the supply of stores by BHEL under any circumstances.
- 3 The materials will be issued only during the working hours of the BHEL Store Department (9.00 a.m. to 5:30 p.m.). Contractor shall have to transport them as soon as they are issued to him to the site of work at his own cost.
- 4 The steel materials if issued will be in random lengths and sizes as stocked by the BHEL and the cost of all cutting, conversion, substitution and fabrication as well as wastage shall have to be borne by the Contractor.
- 5 The contractor shall from time to time render proper account of all materials issued to him by BHEL. If he fails to do so, no further issue of materials will be made to him and he will be held responsible for any delay in the execution of the work which may occur on this account.
- 6 All surplus materials in good condition which are not returned to the BHEL Stores as also quantities of materials consumed in excess of the max. Permissible limit as fixed by BHEL shall be charged for at punitive rates.
- 7 The decision of the Engineer / Dy. General Manager / Manage as to the extent to which materials have been rendered surplus or consumed in excess of the actual requirements shall be final and conclusive and binding on the contractor

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SCHEDULE 'C'**ISSUE OF TOOLS AND PLANTS TO BE ISSUED BY BHEL TO
CONTRACTOR FOR EXECUTION OF CONTRACT WORK**

Sl.No.	Qty.	Particulars	Details of BHEL Crew Supplied	Hire Charges Per unit Per Day	Place of Issue	Remarks
.....NIL.....						

a. Machineries shall not be operated over time without the written permission of the Sr. Engineer / Dy. Manager / Manager.

b. All Coolies, Watermen etc., required in addition to BHEL crew mentioned in column 4 above shall be arranged by the architect / consultant at his own expense.

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SCHEDULE 'D'

NOTE: Following Drawings shall be issued by BHEL to Contractor during the execution of work and good for constructions.

Nil

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SCHEDULE 'E'**LEAD STATEMENT**

-----NA-----

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