

ICAR - CENTRAL SOIL SALINITY RESEARCH INSTITUTE  
RRS, MAKTAMPUR PO, BHARUCH - 392012

No. RSG/Estate/2023/

Date: 05/12/2023

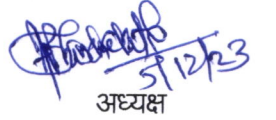
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टेण्डर नं.-3/2023 (वर्क्स)

**विषय: Construction of high capacity tubewell at experimental farm, Samni of ICAR-CSSRI, RRS, Bharuch**

महोदय,

उपरोक्त कार्य को करने के लिए सीलबंद टेण्डर आमन्त्रित किये जाते हैं। कार्य का ब्योरा, नियम व शर्तें संलग्न हैं। टेण्डर का लिफाफा सीलबंद होना चाहिये। यदि सीलबंद नहीं हुआ तो वह स्वीकार नहीं किया जायेगा तथा निरस्त किया जा सकता है। टेण्डर के लिफाफे पर कार्य का नाम व अन्तिम तिथि आवश्यक रूप से लिखी होनी चाहिये अन्यथा टेण्डर मान्य नहीं होगा। टेण्डर प्राप्त करने की अन्तिम तिथि 27-12-2023 समय 11.00 बजे पूर्वाह्न है व दिनांक 27-12-2023 को 2.30 बजे तक टेण्डर बॉक्स में टेण्डर डाला जा सकता है एवं 27-12-2023 को ही फर्म के मनोनीत की उपस्थिति में 3.00 बजे अपराह्न में टेण्डर खोले जायेंगे। इच्छुक फर्म अपने सीलबंद टेण्डर को पूर्ण विवरण एवं संलग्न दस्तावेजों आदि के साथ अध्यक्ष, केन्द्रीय मृदा लवणता अनुसंधान संस्थान, क्षेत्रीय अनुसंधान केन्द्र, मकतमपुर पो., भरुच - 392012 के नाम पर रजिस्टर्ड/स्पीड पोस्ट/डाक/कोरियर द्वारा भेजें या व्यक्तिगत तौर पर आकर टेण्डर बॉक्स में डालें जो कि संस्थान के सुरक्षा अनुभाग में रखा गया है। देय तिथि व देय समय के पश्चात प्राप्त कोई भी टेण्डर किसी भी रूप में स्वीकार नहीं होगा। यह सूचना संस्थान की वेबसाइट [www.cssri.res.in](http://www.cssri.res.in) तथा CPP Portal पर उपलब्ध है।

  
अध्यक्ष

### LIMITED TENDER NO. 3/2023 (WORKS)

On behalf of Secretary, ICAR, Director, ICAR-CSSRI, Karnal invites sealed tenders from reputed contractors for the under mentioned work for ICAR-CSSRI, RRS, Experimental farm, Samni (Bharuch).

S. N.	Description of Items/ Name of work	Place of Work	EMD Amount
1.	Construction of high capacity tubewell	ICAR-CSSRI, RRS, Experimental farm, Samni (Bharuch)	Rs. 20,000/-

#### TERMS & CONDITIONS:

1. The envelope containing tender and other documents should be clearly written the Name of the work, Tender No., closing date failing which the tender will be returned without opening.
2. The contractor should mention the correct postal address and contact no. The contractor should inform to the office in writing immediately about any change in address. Institute shall not be responsible for non – receipt of document due to postal delay/ undelivered/ non- recipient at your end.
3. Please mention warranty for submersible pump, etc.
4. Please mention make and model of pump, controller, casing pipe, column pipe, etc. and attach leaflets.
5. The item wise rate may be quoted on the printed letter pad of the firm after inspection of site (if required) and clarification in respect of the detail of the tender document can be sought from ICAR-CSSRI, RRS, Bharuch.
6. Work shall be carried out as per the instruction, direction and satisfaction of the Head of the Station.
7. The rate should include GST, all labour and materials charges, transportation, tool and tackles etc. as required for completing the work.
8. The work should be started within 10 days from the date of issue of work order failing which the performance security will be forfeited on the recommendation of the Head of the Station.
9. The work should be completed within 3 months from the date of issue of work order failing which performance security will be forfeited. Extension of time may be granted to the contractor beyond the agreed time of completion of the work taking into account the delay due to unavoidable circumstances. Proposal for extension should be given at least two weeks before the expiry period for the approval of the Competent Authority.
10. In case the contractor fails to complete the work within the stipulated/extended period of time, penalty shall be imposed on the contractors @ 0.25% per week, maximum of 2.5% of the total cost of the work.
11. The Director shall have the liberty to postpone or not to execute any item of work and the contractor shall not be entitled to any compensation for non execution of such items of work.
12. All the material purchased for the said work by the contractor shall be as per the CPWD/ISI/BIS standards/specification and got approved by the Head of the Station. The inferior quality or rejected material is to be removed immediately from the site failing which the same will get removed by the Institute and expenses involved will be deducted from the contractor's bill.
13. The contractor should submit the detail of the measurement in A4 size paper (typed) standard format for the items of work executed under the agreement after completion of work duly signed and verification of the Head of the Station.

14. The water/electricity as required for the work & curing at site (if not available) shall be arranged by the contractor for which no extra payment shall be made.
15. The store will not be provided to contractor for storing of the construction material & their tools.
16. In case of dis-satisfactory work the contract may be terminated at any time and in such case the performance security deposited shall be forfeited.
17. In case the contractor fail to work within the stipulated/extended period of time and according to our satisfaction, the Director, ICAR-CSSRI shall have right to terminate the contract and get the work through any Other firm or agency. In such case, the performance security of the contractor shall be forfeited.
18. Quantity of work may be increased or decreased according to the actual need of work and hence, minor deviation of work shall be undertaken as per quoted rate without asking any compensation.
19. The contractor has to furnish Performance Security @ 5% of the value of the contract may be in the form of Insurance Surety Bonds, Account Payee Demand Draft, Fixed Deposit Receipt from a Commercial Bank, Bank Guarantee (including e- Bank Guarantee) from a Commercial Bank or online payment in an acceptable form for the period of contract towards proper performance of the contract within 15 days of issue communication letter for acceptance of rates by the Institute which shall be released after one year of successful completion of completed works.
20. The contractor has to pay minimum wage as per the rate of government instructions time to time to their labours force engaged for the civil work.
21. All other liabilities including taxes such as Income Tax, GST and other taxes, labour cess, service tax, ESI/EPF etc. imposed by the government from time to time shall be deducted from the bill of contractor.
22. The tenderer should quote total amount after adding all the sub head in case total amount is not given in the quotation the tender shall be treated as in-complete and to be rejected.
23. After completion of the work, the left over material at the site, if any, shall be removed and site should be cleaned within 10 days.
24. The Director, ICAR-CSSRI, Karnal reserves the right to accept or reject any or all the quotation/ tenders without assigning any reason there of and the decision of the Director, ICAR-CSSRI, shall be final and binding to all concerned parties.
25. The Director, ICAR-CSSRI, Karnal also reserve the right to cancel the work, after award of work due to any administrative/ technical reason.
26. The Director, ICAR-CSSRI, Karnal shall be the sole arbitrator for all disputes between contractor and the Institute. The decision of Director shall be final and binding to both the parties.
27. Any type of official implements and help will not be provided by the office.
28. All precautionary safety measure have to be followed and risk if any, is to be borne by the contractor. Office will not be responsible for any mishappening, if caused, during the execution of work to the contractor or his worker.
29. The Demand draft / performance security of EMD should be prepared for the work in favour of 'DDO, CSSRI, RRS, Bharuch'.
30. **PAN, GST, Registration of firm/Contractor must be written on the quotation/tender otherwise it would be cancelled.**
31. **The valid photo copy of all documents including license for contractorship must also be attached.**
32. The above terms and conditions are acceptable to me.

33. The Payment will be released after the satisfactory completion of the work.

**DECLARATION BY THE TENDERER**

I/We have understood the above Terms & Conditions of the Tender (attached with the tender) which are returned herewith duly signed by me/us in token of having accepted the same in toto and I/we have made my/our offer keeping in the view these terms and conditions.

Signature of Tenderer: .....

Full Name: .....

Status: .....

Telephone No.: .....

Name of the tendering Firm: .....

Address of the tendering Firm: .....

Our GST No.: .....

Our Banker: .....

Our Account No.: .....

(AFFIX RUBBER STAMP HERE)

Date:

Sub.: Quotation for construction of high capacity tubewell at experimental farm, Samni of ICAR-CSSRI, RRS, Bharuch

DSR 2021 Civil	Description of item	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
NSI	Providing and fixing upto two feet depth U-PVC pipes (working pressure 6 kg / cm <sup>2</sup> ) Single socketed pipe 110 mm nominal dia with five Tee, ten bend/elbow, four air release valve and five valve	400	metre		
23.1	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 equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer-in-charge, upto 90 metre depth below ground level.				
23.1.1	All types of soil				
23.1.1.3	400 mm dia	60	metre		
23.3	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer -in-charge.				
23.3.3	200 mm nominal size dia	18	metre		

23.4	Supplying, assembling, lowering and fixing in vertical position in bore well unplasticized PVC medium well screen (RMS) pipes with ribs, conforming to IS: 12818, including hire & labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer-in-charge.				
23.4.3	200 mm nominal size dia	42	metre		
23.8	Gravel packing in tubewell 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.	6	cum		
NSI	Development of tube well 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, all as per requirement and direction of Engineer-in-charge.	3	hour		
23.13	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 borewell of:				
23.13.3	200 mm dia	1	each		
23.14	Providing and fixing M.S. clamp of required dia to the top of casing/ housing pipe of tubewell as per IS: 2800 (part I), including necessary bolts & nuts of required size complete.				
23.14.3	200 mm clamp	1	each		
23.15	Providing and fixing Bail plug/ Bottom plug of required dia to the bottom of pipe assembly of tubewell as per IS:2800 (part I).				
23.15.3	200 mm dia	1	each		
NSI	Fitting accessories like clamp, coupling, flange, bend, cover, adapter set, etc.for connecting column pipe to delivery pipe	1	set		

DSR 2022 E&M					
NSI	SITC of submersible pump of following specification: Pump size - 7 inch (max. dia 158 mm) Power - 15 hp suitable to operate on 415 Volts, 3 phase AC No. of stages - 6 or suitable Outlet size - 100 mm Head>60m Discharge>1000LPM	1	set		
NSI	Supplying and lowering of 4" dia standard quality UPVC Column pipe in the existing borewell etc. complete as required.	42	metre		
NSI	Supplying and laying/fixing along with column pipe of flat submersible cable of following size complete as required.				
	3 x 6 sq. mm	120	metre		
NSI	SITC of star - delta starter panel with MCB, relay range 28-42 A suitable for above pump complete as required.	1	Each		
NSI	Supplying and laying of XLPE Copper unarmoured power cable of following size complete as required.				
	4 x 10 sq. mm	5	metre		
5.2	Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	1	set		
5.12	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	10	metre		
5.16	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing as required.	10	metre		
	Total				



Specifications for construction of pump room 3.10 m x 2.80 x 2.80 m: Piles: 300 mm dia. 4 m depth - 4 nos., Col.: 0.23 m x 0.23 m x 2.65 m - 4 nos., Section of Beam: 0.23 m x 0.30 m, Shelves: 2.34 m x 0.45 m x 0.05 m - 3 nos., Door: 2.10 m x 0.90 m, Ventilators: 0.45 m x 0.30 m - 2 nos., Roof: RCC 150 mm thick, Roof Projection: 150 mm all around, Floor: CC, B/W: 0.23 m thick

DSR'21 Item No.	Description of Item	Qty.	Unit	Rate (Rs.)	Amount (Rs.)
2.32	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	12.00	sqm		
2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in charge.				
2.6.1	All kinds of soil	2.95	cum		
2.27	Supplying and filling in plinth with sand under floors including, watering, ramming, consolidating and dressing complete	2.00	cum		
4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level				
4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources: 8 graded stone aggregate 40 mm nominal size derived from natural sources)	0.87	cum		
5.2	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. above plinth level upto floor five level excluding cost of centring, shuttering, finishing and reinforcement:				
5.2.2	1:1.5:3 (1 Cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources)				
		5.06	cum		



5.16	Providing, hoisting and fixing above plinth level upto floor five level precast reinforced cement concrete in shelves including setting in cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required centring, shuttering and finishing with neat cement punning on exposed surfaces but excluding the cost of reinforcement with 1:1.5:3(1 cement :1.5 coarse sand (zone-III) derived from natural sources :3 graded stone aggregate 20 mm nominal size derived from natural sources.)	0.16	cum		
5.9	Centring and shuttering including strutting, propping etc. and removal of form for				
5.9.3	Suspended floors, roofs, landings, balconies and access platform	10.54	sqm		
5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers.				
		11.96	sqm		
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Strut	9.75	sqm		
5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete				
5.22.6	Thermo-Mechanically Treated bars of grade Fe-500D or more.	512.00	kg		
6.4	Brick work with with common burnt clay F.P.S. (non modular) bricks of class disignation 7.5 in superstructure above plinth level upto floor V level in all shapes and sizes in :				
6.4.1	Cement mortar 1:4 (1 cement : 4 coarse sand) Above PL				
		6.63	cum		
10.5	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6mm angle iron and 3mm M.S. gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer				
10.5.2	Using flats 30x6mm for diagonal braces and central cross piece	1.89	sqm		
10.1	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	10.00	kg		

11.3	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete.				
11.3.1	40 mm thick with 20 mm nominal size stone aggregate	6.18	sqm		
13.9.1	12 mm cement plaster 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement				
		49.26	sqm		
13.3.1	20 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand) Outside	28.83	sqm		
13.39	Colour washing such as green, blue or buff to give an even shade :				
13.39.1	New work (two or more coats) with a base coat of white washing with lime	78.09	sqm		
13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
13.61.1	Two or more coats on new work	5.54	sqm		
20.3	Boring with hydraulic piling rigs with power units, providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap) :				
20.3.1	300 mm dia piles	16.00	metre		
	Total				

**Grand Total Rs.**

**ADDITIONAL TERMS & CONDITIONS:**

The above rates should include cleaning of surface/site after completion of work.

Rates quoted are inclusive of GST and valid for one month.

Payment will be made on actual measurement basis after satisfactorily completion of work.

The work should be completed within three months from the date of issue of work order.

The contractor has to furnish Security Deposit @ 5% of the value of the contract which shall be released after one year of successful completion of completed works.

TDS as per rules will be deducted from the bill.

Signature .....

Name of contractor/Agency.....

Full address.....

Mobile No. ....

Bank Name.....

Branch .....

IFS Code .....

Bank A/c No .....

PAN .....

GST No. ....

Registration No. ....