

Phone: +91 (03712) 268077/268107
Fax: Fax: +91 (03712) 268007,
Website: www.neriwalm.gov.in



Dolabari,
P.O. Kaliabhomora,
Tezpur – 784 027. Assam (India)

NORTH EASTERN REGIONAL INSTITUTE OF WATER AND LAND MANAGEMENT (NERIWALM)

An Institute under the Ministry of Jal Shakti,
Department of Water Resources, RD & GR, Govt. of India
(Registered under Society Registration Act, 1860)



जल बचत जल निर्माण

No.: NRWM/RES/82/Part-I/2020-21

Date : 21.08.2020

NOTICE INVITING TENDER

e-Tenders are invited by the Director, NERIWALM, Dolabari, Tezpur, from registered company/firm for “Semi-Detailed Soil Survey & Irrigation Planning for the Command Area of 06 (Six) Proposed Irrigation Schemes i.e., Bhuswa, Barkattha, Sonadubi, Bhur, Bhelwa, and Khuntishot Reservoir Schemes in Jharkhand”. Details may be viewed or downloaded from Institute website www.neriwalm.gov.in. The bidding process can be carried out in CPP Portal.

Bishu Kumar
21/08/2020
Deputy Director (Admin)
NERIWALM





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जल बचत जल निर्माण

No.: NRWM/RES/82/Part-I/2020-21 / 8177

Date: 21.08.2020

NOTICE INVITING TENDER

1. e-Tenders are invited by the Director, NERIWALM, Dolabari, Tezpur for “Semi-Detailed Soil Survey & Irrigation Planning for the Command Area of Six (6) Proposed Irrigation Schemes Namely; Bhuswa, Barkattha, Sonadubi, Bhur, Bhelwa, and Khuntishot Reservoir Schemes in Jharkhand”.
2. The last date of submission of filled in e- tender is 11.09.2020 upto 5 PM and will be opened at 11:00 hrs. of 14.09.2020 in conference hall of NERIWALM in presence of the tenderer or their authorized representatives, if any.
3. In the event of 14.09.2020 being declared a holiday, the tender will be opened on the next working day at the same time and place.
4. Interested bidder may collect the detailed tender document along with terms and conditions from institute’s website www.neriwalm.gov.in and can be viewed in CPP Portal during the all working days from 21.08.2020 to 11.09.2020 upto 1700 hrs.
5. The tenders along with terms and condition may be viewed and downloaded from the institute’s website www.neriwalm.gov.in and can be viewed in CPP Portal.
6. The volume and scope of the work is given in detail at tender document as Annexure-I.
7. The total estimated amount of the work is Rs. 27,84000.00 (Rupees twenty-seven lakhs eighty-four thousand) only for total area of 7300 Ha. including GST.
8. Earnest money is 2% of the quoted amount.

Asst. Dir. (Admin)
21/08/2020
Deputy Director (Admin)

Copy for information and necessary action to:

1. PS to the Director for kind information of the Director, NERIWALM.
2. Professor (WRE) & CVO, NERIWALM.
3. Assistant Director (Civil), NERIWALM.
4. Accounts Officer, NERIWALM.
5. Shri Monoranjan Nath, Assistant Professor (Agriculture) & coordinator of this project.
6. Assistant Engineer (Civil), NERIWALM
7. Notice Board, NERIWALM for wide Circulation
8. NERIWALM website: www.neriwalm.gov.in & CPP portal for publication



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(An institute under the Ministry of Jal Shakti, Department of Water Resources, RD & GR, Govt. of India)
Dolabari, Kaliabhomora, Tezpur-784027, Assam

**TENDER NOTICE FOR
CONDUCTING SEMI-DETAILED SOIL SURVEY & IRRIGATION PLANNING FOR THE
COMMAND AREA OF SIX (6) PROPOSED IRRIGATION SCHEMES NAMEDLY; BHUSWA,
BARKATTHA, SONADUBI, BHUR, BHELWA, AND KHUNTISHOT RESERVOIR SCHEMES
IN JHARKHAND**

From: (Name of the Party with postal address including PIN)

DD No. _____
Date: _____
Amount: _____
Bank: _____
Issued to: _____
Signature _____

GENERAL GUIDELINES FOR SUBMITTING TENDER DOCUMENTS

1. e-Tenders are invited by the Director, NERIWALM, Dolabari, Tezpur for "Conducting Semi-Detailed Soil Survey & Irrigation Planning for the Command Area of Six (6) Proposed Irrigation Scheme Namely; Bhuswa, Barkattha, Sonadubi, Bhur, Bhelwa, and Khuntishot Reservoir Schemes in Jharkhand"
2. The total estimated cost of the work is Rs. 27,84000.00(Rupees twenty-seven lakhs eighty-four thousand) only for total area of 7300 Ha. including GST.

Sl. No.	Name of the Project	Catchment Area (Ha)	Cost of Semi detailed soil survey study (Rupees)
1	Bhuswa Reservoir Scheme, Hazaribagh	2000	721000.00
2	Barkhattha Reservoir Scheme, Hazaribagh	1850	686000.00
3	Sonadubi Reservoir Scheme, Ranchi	100	77000.00
4	Bhur Reservoir Scheme, Ranchi	2000	712000.00
5	Bhelwa Reservoir Scheme, Palamu	100	77000.00
6	Khuntishot Reservoir Scheme, Palamu	1250	511000.00
Total		7300	2784000.00

3. The rates quoted should be inclusive of all taxes and GST. GST has to be shown separately. The rates quoted will be valid for one year. Each page of the tender documents, terms and conditions etc. should be signed with seal by the tenderer.

Signature of the tenderer with seal



5. Demand draft or banker's cheque of the value of **2% of quoted amount** only drawn in favour of **the Director, NERIWALM**, Tezpur of any nationalized bank towards earnest money to be submitted off line along with the pass phrase and should reach the O/o Director NERIWALM before opening of the bids in sealed envelope and mark as "DD for earnest money and Pass Phase for Semi-Detailed Soil Survey & Irrigation Planning for the Command Area of four (4) Irrigation Schemes of Jharkhand" on the top of the envelope.
6. Tenders not accompanied by the aforesaid earnest money shall be summarily rejected.
7. This invitation is open to any registered company/firm who has their registered office in Eastern Region/ North Eastern Region of the country and is in operation for at least three years from the date of issue of this NIT.
8. The firm/company should have an experience of at least 3 years in irrigation sector assignments of state/ central government in the Eastern/North Eastern region of the country and have experience in semi detailed soil survey for command area of irrigation project.
9. The cumulative turnover of the firm during the financial year: 2017-18, 2018-19 and 2019-20 should not be less than Rs. 150 lakhs.
10. No Join Venture/ Association of firms/Consortium of any kind are allowed for participation in this tender.
11. Photostat/scan copy of the following testimonials/ documents to be attached along with the tender documents:-
 - (i) Registration certificate of the firm/agency.
 - (ii) PAN card.
 - (iii) Up-to-date Income Tax return of the last year.
 - (iv) GST Registration number.
 - (v) Experience certificate in similar nature of work in Irrigation sector from State/ Central Government in the North Eastern Region of the country.
 - (vi) PF and ESIC registration.
 - (vii) Labour License (optional).
 - (viii) The cumulative turnover of the firm during last three (3) financial years.
 - (ix) Manpower strength of the firm with designation, qualification and experience.

The tender may be rejected in the absence of any of these documents.

12. Canvassing in any forms in connection with the tender is prohibited and the tender submitted by the Contractor who resorts to canvassing are liable for rejection.
13. Tenders submitted shall remain valid for 90 days from the date of opening for the purpose of acceptance and award of work, validity beyond 90 days from the date of opening shall be by mutual consent.
14. The EMD will be remained as security, if the Contractor fails to execute the agreement as per the letter of award the amount of the security will be forfeited.
15. The Contractors/Bidders should certify that there are no any legal disputes against him in any court of law in relation to the labour disputes and he or his agency is not black listed either by Central Govt., State Govt. or by any public/private organization.



Signature of the tenderer with seal

16. The last date of submission of **ONLINE** tender is 5.00 PM of 11.09.2020 address to, The Director, North Eastern Regional Institute of Water and Land Management (NERIWALM), Dolabari, P.O. Kaliabhomora, Tezpur- 784 027 (Assam).
17. The tender will be opened by a duly constituted Committee at NERIWALM on 14.09.2020 at 11.00 AM in presence of the tenderers or their authorised representatives.
18. Tenders are not transferable.

NATURE/SCOPE OF THE WORK:

The Scope of study work is for conducting Semi-Detailed Soil Survey & Irrigation Planning for the Command Area of six Irrigation Schemes namely; Bhuswa, Barkattha, Sonadubi, Bhur, Bhelwa, and Khuntishot Reservoir Schemes in Jharkhand and shall include but not limited to the following aspects:

- a) Command area details indicating forest, grassland, cultivated land, cultivable fallow land, wasteland, barriers, size of holdings, water-logging, wetland etc.
- b) Climatic aspects.
- c) Summary of existing reservoir operation studies for last two decades, wherever, available.
- d) Socio-economic aspects including settlements.
- e) Agronomic aspects, Scenario on water saving with better basin efficiencies over Inter basin water transfer.
- f) Hydrodynamic survey of irrigation system
- g) Status of surface irrigation and existing cropping pattern of propose command areas.
- h) Estimation of return flow from agricultural irrigation.
- i) Soil indicating land slopes, texture, depth, salinity, infiltration and drainability of the soil, etc.
- j) Assessment of Groundwater status indicating depth of water table and piezometric level with seasonal fluctuation, quality of ground water
- k) Plan for consumptive use of surface and ground water
- l) Drainage aspects – soil erosion and soil characteristics including soil classification, physical & chemical properties, land capability classification, irrigability classification, etc
- m) Assessment of deficiencies in existing drainage networks and proposed improvement schemes.
- n) Agriculture aspects indicating present land-use, agricultural practices and assessment of crop water requirements. Alternate cropping patterns to assess the water scarcity values and water transfer values etc.
- o) Problems in command area such as water logging and salinity Proposed cropping pattern, percentage of cropping in summer with justification, change in cropping pattern, if any.
- p) Crop Planning: Based on the soil survey results, soil map showing different soil units along with description in tabular form, Crop planning/cropping pattern based on soil capability. Irrigation planning study including canal cut-off statement showing discharges in all reaches of canal.
- q) Any other study, if required for Irrigation Planning in Command Area.



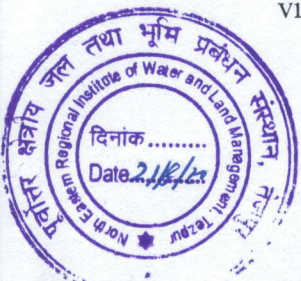
Signature of the tenderer with seal

Deliverable : The following shall be included in the report:

- a) Introduction: This chapter will include the details of the project its objectives, general description of the area surveyed-location, physiographic features, geology, agro-climatological description, vegetation, present land use, general problem of the area like soil constraints and potential, etc.
- b) Soil Survey Techniques and Procedure: Shall include the soil survey sample technique and testing procedure including Laboratory
- c) Soil Survey studies: The soil survey studies will include identifying the irrigability capability classification, land capability classification, physical (depth, moisture holding capacity, permeability, water logging, salinity, evaporation, percolation losses etc.), textural analysis, subsoil water level, quality of underground water etc required for preparation of DPR. General drainage pattern may also be provided from 1:50000 topo-sheets and visit of the command area. Sub soil characteristics at every 5 km etc. Classification of soil at suitable intervals of depth, some parameters such as unit weight, cohesion, angle of internal friction, void ratio, specific gravity, grain size distribution etc.
- d) Irrigation water quality: Water quality parameter such as pH, hardness, Iron /manganese, etc. will be analysed and presented for overall quality of the irrigation water present in the command area.
- e) Socio-economic aspects: Broad parameters on socio-economic like land holdings, agricultural pattern, farm input utilization and availability etc.
- f) Irrigation Planning: Based on the soil survey results, soil map showing different soil units along with description in tabular form will be given. Crop planning/cropping pattern based on soil capability classification will be incorporated. Irrigation planning study including canal cut-off statement showing discharges in all reaches of canal. Working tables based on proposed cropping pattern.

TERMS AND CONDITION OF THE WORK:

- i. The rate at which the work will be allotted, after it has been accepted, shall not be subjected to alteration or revision and shall remain valid till final submission of the report.
- ii. All expenditures including transport and haltage at any place shall be the full responsibility of the consultant.
- iii. Consultant shall be responsible for accuracy of all the data used in project preparation and the designs/drawings and estimates prepared as part of the project. Permanent location marks adequate for identification during execution shall be kept at the site at the cost of consultant.
- iv. Consultant shall furnish 7 sets of Final Reports including drawing, maps etc. both in hard and soft copies. All reports and documents shall be in English.
- v. If the work is extended beyond agreed period for completion of the assignment, for reasons beyond the control of the consultant, request for such extension with justification should be submitted to the client immediately on expiry of the time period as per agreement for consideration. Extension of time will be given to the consultant, but on permissible extension of time, the agreement rate cannot at any cost be revised or increased.
- vi. The date of commencement of work will be reckoned from the date of remittance of funds to consultant. The actual working schedule will start immediately thereafter. The agreement shall be signed immediately after issue of order/latter of acceptance.
- vii. The contractor has to execute an agreement within 7 days of the receipt of the letter of award of contract and Commencement of the contract will be within 7 days of the signing of the agreement or as decided by the Institute.



Signature of the tenderer with seal

- viii. Director, NERIWALM reserves the right to accept or reject any or all tender(s) without assigning any reasons whatsoever.
- ix. Time frame for the work:
1. Submission of preliminary report: within 20 days from the date of signing of agreement for the work.
 2. Survey analysis and draft final report: within 60 days from the date of signing of agreement for the work.
 3. Final report: within 75 days from the date of signing of agreement for the work.
- x. Payment schedule:
- 30% of payment will be released after submission of preliminary report.
 - 40% of payment will be released after submission of draft final report.
 - 30 % of payment will be released after successfully submission of final report.

Signature of the tenderer with seal



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FOR THE COMMAND AREA OF SIX (6) PROPOSED IRRIGATION SCHEMES NAMELY;
BHUSWA, BARKATTHA, SONADUBI, BHUR, BHELWA, AND KHUNTISHOT RESERVOIR
SCHEMES IN JHARKHAND**

I/WE HAVE UNDERSTOOD THE TERMS AND CONDITION OF THE TENDER DETAILED IN THE TENDER DOCUMENTS SUPPLIED TO US AND ARE FULLY AWARE OF THE NATURE OF CONTENT. WE AFFRIM TO STREICTLY ADHERE TO THE TERMS AND CONDITIONS STIPULATED THEREIN.

Sl. No.	Description of work	Quoted Amount in Rupees (in figure)	Quoted Amount in Rupees (in words)
	Semi-Detailed Soil Survey & Irrigation Planning for the Command Area of :		
01	Bhuswa Reservoir Scheme, Hazaribagh		
02	Barkhattha Reservoir Scheme, Hazaribagh		
03	Sonadubi Reservoir Scheme, Ranchi		
04	Bhur Reservoir Scheme, Ranchi		
05	Bhelwa Reservoir Scheme, Palamu		
06	Khuntishot Reservoir Scheme, Palamu		
Total Quoted Amount in Rupees			

Note: Scope of the work as given in the tender document has been referred for the rates quoted for this work. Rates quoted are inclusive of all taxes and charges **including GST**, which may be shown separately.

Signature of the Tenderer with seal : _____

Name : _____

Date : _____

Seal : _____

Telephone no. (Office) _____ (Residence) _____

Mobile No : _____

e-mail ID : _____



Signature of the Tenderer with seal