

CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, DHANBAD
(Council of Scientific & Industrial Research)
Barwa Road, Dhanbad- 826 015 (Jharkhand) INDIA

CIVIL ENGINEERING SECTION

Tenders Documents
for
Execution of

Repairing an raising of compound wall at HRD (Backside) and Botanical Garden
In

CIMFR Dhanbad.

INDEX

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NIT NO.:

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CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, DHANBAD
(Council of Scientific & Industrial Research)

NOTICE INVITING TENDER

No. 23(349 & 350)/2008-GA

Dated: 06/11/2008

Sealed tenders are hereby invited from bonafide govt. contractors, registered with CPWD, State, PWD, MES, Post and Telegraphs, Railway, Defence and other Govt. Department, CSIR or any of its laboratories, who have successfully completed at least 3 (three) similar type (equal to 40% of the estimated value) or 2 (two) similar type (equal to 50% of the estimated value) or 1 (one) similar type (equal to 80% of the estimated value) in last (5) five years.

Sl.	Description of work	Estimated cost	Earnest money	Time of completion	Cost of Tender Documents
1.	Repairing and raising of compound wall at HRD (Backside) and Botanical Garden	2,16,100=00	4,325=00	1 ½ Months	500=00
2.	Sinking of Deep Tube Well (Two nos.) in CIMFR, Dhanbad estate at office area for separate water supply arrangement in Guest House & HRD Executive Centre & near Community Centre for water supply arrangement in the well of Gate no. 1 & Large Overhead Tank.	7,45,620=00	14,915=00	2 Months	500=00

The following proof of documents in original or duly attested to be produced at the time of issuing tender paper and also to be submitted alongwith submission of tender for verification.

- Valid sales tax, Registration no. & Clearance certificate.
- Completion certificate alongwith payment received of the similar works (including schedule) of values as mentioned above from an officer not below the rank of Executive Engineer of the concerned Department.

Tenders to be submitted in 2 Bid System

1. Part-I

(Techno-Commercial Bid)

Consists of following documents

- Proof of documents as mentioned above (1-2)
- Earnest Money
- Cost of Tender documents (In case of tender document down loading from CIMFR Web site.)

2. Part-II

(Price Bid)

Consists of following documents

- Costing alongwith full specifications of the items involved in the work including all Taxes & Levies as per different laws.

Tender paper will be on sale from 18/11/2008 to 08/12/2008 on payment basis (Non refundable) on all working days of CIMFR up to 3:00 P.M. and will be also available in CIMFR website www.cimfrindia.nic.in, that can be downloaded for submission. Those parties who submit their tenders after down loading, shall be required to pay the above mentioned amount (Cost of Tender Documents) in form of Account Payee D.D. drawn in favour of Director, CIMFR, Dhanbad payable at SBI, Hirapur, alongwith their Technical Bid.

The Part-I & Part-II are to be individually sealed in separate envelopes and are to be put in a 3rd envelope which shall also be sealed and superscribed with the name of work in bold letters, address of the depositors and to be dropped in the Tender Box kept in the Office of the Administrative Officer, CIMFR, Dhanbad, after obtaining date, signature of Administrative Officer / Section Officer on or before 10/12/2008 at 3:00 P.M. and will be opened on the same day at 3:30 P.M., in presence of the intending tenderers or their authorized representatives whoever present themselves at the time of opening of tenders.

- Ø IT IS REQUIRED TO SUBMIT THE COST OF TENDER DOCUMENTS ALONG WITH TECHNICAL BID AS MENTIONED ABOVE.
- Ø EARNEST MONEY SHOULD BE DEPOSITED IN THE FORM OF ACCOUNT PAYEE DEMAND DRAFT PAYABLE AT SBI, HIRAPUR (CODE-1670) DHANBAD IN FAVOUR OF DIRECTOR, CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, DHANBAD.
- Ø INCOMPLETE TENDERS, LATE / DELAYED TENDERS AS WELL AS TENDERS WITHOUT EARNEST MONEY SHALL BE SUMMARILY REJECTED.
- Ø DIRECTOR, CIMFR, RESERVES THE RIGHT OF ACCEPTING ANY TENDER IN PART OR FULL OR REJECTING ALL WITHOUT ASSIGNING ANY REASON.

-Sd-

HOD (Civil)

-Sd-

Administrative Officer

DCI MFR may kindly approve for press, advertisement through the following agency in approved rate DAVP as applicable to Govt. Deptt.

- The Telegraph, Kolkata Publication (English daily)
- Times of India, New Delhi
- Hindustan, Dhanbad Edition (Hindi Local) - Pointer advertisement

Name of Media - M/s. Union Publicity Bureau,
34B, Ballygunge Gardens,
Golpark, Kolkata - 700 019

A.O.

Director

CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, DHANBAD
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ABSTRACT OF COST ORIGINAL ESTIMATE

Name of work : Repairing an raising of compound wall at HRD (Backside) and Botanical Garden

Sl.	Description of work	Qty	Per	Rate	Amount
1	Demolishing stone rubble masonry including stacking of serviceable material and disposal of unserviceable material within 50 metres lead : In cement mortar	12.44	Cum		
2.	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	40.66	Cum		
3.	Providing & laying flat brick soling including sand in bed and joint etc. complete work.	53.76	Sqm		
4.	Providing & laying in position cement concrete of specified grade excluding the cost of centring and shuttering – All work upto plinth level. 1:4:8 (1 Cement : 4 Coarse sand : 8 graded stone aggregate 40 mm nominal size)	8.06	Cum		
5.	Brick work with bricks of class designation 75 in foundation and plinth in : cement mortar 1:6 (1 Cement : 6 coarse sand)	31.83	Cum		
6.	Brick work with FPS bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and size in : Cement Mortar 1:6 (1 Cement : 6 Coarse sand)	33.04	Cum		
7.	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 Cement : 6 fine sand)	443.58	Sqm		
8.	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	17.09	Cum		
9.	Finishing walls with water proofing cement paint “Snowcem – Plus” of M/s Snowcem India Ltd., or equivalent of required shade : Old work (one or more coats applied @ 2.20 kg/10 sqm) over priming coat of primer applied @ 0.80 litrs/10 sqm complete including cost of Priming coat.	443.58	Sqm		

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CIVIL ENGINEERING SECTION

Tenders Documents

for

Execution of

Sinking of Deep Tube Well (Two nos.) in CIMFR, Dhanbad estate at office area for separate water supply arrangement in Guest House & HRD Executive Centre & near Community Centre for water supply arrangement in the well of Gate no. 1 & Large Overhead Tank.

In

CIMFR Dhanbad.

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Director

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Name of work: **Sinking of Deep Tube Well (Two nos.) in CIMFR, Dhanbad Estate at office area for separate water supply arrangement in Guest House & HRD Executive Centre & near Community Centre for water supply arrangement in the Well of Gate No.1 & Large Overhead Tank.**

Sl.	Description of work	Qty	Per	Rate	Amount
1	Sinking 250mmx200mm deep tube well by pneumatic drilling machine (DTH Rig machine) of heavy compressor from 0 to 100 m deep (approx) including cutting all kind of soil, including hard rock, bore of 250 mm dia. is to be carried out up to rock touching depth for inserting casing pipe. The balance portion is to be dug 200 mm dia in rock formation by fixing PVC 9” dia casing pipe up to loose strata.				
(a)	0-20 Mtr. Depth	2x20=40	Mtr.		
(b)	20-40 Mtr. Depth	2x20=40	Mtr.		
(c)	40-60 Mtr. Depth	2x20=40	Mtr.		
(d)	60-80 Mtr. Depth	2x20=40	Mtr.		
(e)	80-100 Mtr. Depth	2x20=40	Mtr.		
2	Providing and inserting 9” dia. PVC Casing pipe of Tata ‘B’ class in loose strata minimum 01 (one) meter penetration in hard rock to prevent collapse of bore. The operation is to be carried out with high capacity pneumatic pressure.	2x30=60	Mtr.		
3	For execution of extra depth beyond 10 m or lesser depth within 100 m, in case of sufficient water table come across and the department decides not to undertake further digging after getting confirmed by yield test which is to be conducted by the Agency for a period of 5 hours by V-notch method. (In this context the decision of department is final)	(Rate is to be quoted only per mtr. Length)			
4	Supplying, fitting, fixing, installation & commissioning of submersible pump of discharge capacity 7500 ltrs. Per hour (approx) 16 stage pump driven with 7.5 H.P. motor 440V, 3 phase of make KSB, Worthington etc. with water proof flat cable to match the above pump and meter with requisite length (120m) and providing and fixing 50 mm G.I. pipe ‘B’ class Tata or Jindel make well threaded (Length) both end to be jointed with heavy Type socket of same brand. Length of each pipe should be 10’-0” long. Requisite M.S. hanging clamps are to be provided during lowering of pump with motor. The item inclusive of lowering of pump with cable to require depth as per direction of Engineer-in-charge. The item is inclusive of providing and installing of heavy duty control panel with starter of L & T, Kirloskar, Crompton make with following accessories.	2 Nos.	Item		

(i)	Air Brake starter with built in single-phase preventor.				
(ii)	Pneumatic Timmer fully automatic operation.				
(iii)	Water level guard with electrode for dry running prevention.				
(iv)	Amperemeter				
(v)	Volt meter				
(vi)	3 phase indicating lamp				
(vii)	Insulator ICTO fuses.				
(viii)	Connector strip, suitable for star delta starting.				
(ix)	Controlling valve (C.I.)				
(x)	Reflex valve				
(xi)	Bend flanges, fastner etc. and other controlling device upto drill hole.				
(xii)	Single phase preventor				
5	Providing and fixing G.I. pipe complete with G.I. fitting including trenching and refilling etc. complete.				
(a)	50 mm dia.	550	Mtr.		
(b)	40 mm dia.	100	Mtr.		
(c)	25 mm dia. (TATA or Jindal class 'B')	30	Mtr.		
6	Construction of masonry chamber 60x60x75 cm inside with 75 class designation brick work in cement mortar 1:4 (1 cement: 6 coarse sand) for fire hydrants, with C.I. surface box 350x350 mm. Top and 165 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement; 5 fine sand: 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per standard design.	2 Nos.	Each		
7	Construction of masonry chamber 120x120x100 cm inside with 75 class designation brick work in cement mortar 1:4 (1 cement: 4 coarse sand) for sluice valve, with C.I. surface box 100 mm. Top diameter, 160 mm bottom diameter and 180 mm deep (inside) with chained lid and RCC top slab 1:2:4 mix (1 cement: 2 coarse sand: 4 graded stone aggregate 20 mm nominal size) necessary excavation foundation concrete 1:5:10 (1 cement: 5 fine sand: 10 graded stone aggregate 40 mm nominal size) and inside plastering with cement mortar 1:3 (1 cement : 3 coarse sand) 12 mm thick finished with a floating coat of neat cement complete as per design.	2 Nos.	Each		

8	Providing and fixing G.I. Union in G.I. pipe				
(a)	50 mm nominal bore	2x3=6 Nos.	Each		
(b)	40 mm nominal bore	2x2=4 Nos.	Each		
(c)	25 mm nominal bore	2x1=2 Nos.	Each		
9	To carryout ground water survey work through any one of the authorized agency who carryout ground water investigation work to ascertain the permanent source of water and to submit a report to this effect.	2x3=6 point	Point		
N.B.:	1) In case of insufficient yield of water in the bore dug i. e. less delivery than 7500 ltrs per hour at least for period of 8 to 10 hours pumping than the entire work will be rejected and no payment for the work done will be considered by the department				
	2) The agency has to stand guarantee for a period of one year for smooth running of pump and water supply work. Full security will be released only after satisfactory running of the pump from the date of commission.				
					(Rs.)

INSTRUCTION TO BIDDER

1. Tenders are hereby invited for the work of **1) Repairing and raising of compound wall at HRD (Backside) and Botanical Garden** **2) Sinking of Deep Tube Well (Two nos.) in CIMFR, Dhanbad estate at office area for separate water supply arrangement in Guest House & HRD Executive Centre & near Community Centre for water supply arrangement in the well of Gate no. 1 & Large Overhead Tank.** from contractors of appropriate class of CPWD, Railways, MES, Post & Telegraph Department and/ or from those who have carried, out similar, works for CSIR and Semi-Govt. Organisations amounting to Rs. **1) 2,16,100=00 (Rupees two lakhs sixteen thousand one hundred only) 2) 7,45,620=00 (Rupees seven lakhs forty five thousand six hundred & twenty only)** and above. The tenders are required to produce proof of fulfilling these conditions alongwith latest Income Tax Clearance Certificate while making request for issue to Tender documents.
2. Estimated cost is Rs. . **1) 2,16,100=00 (Rupees two lakhs sixteen thousand one hundred only) 2) 7,45,620=00 (Rupees seven lakhs forty five thousand six hundred & twenty only).**
3. Time for carrying out the work will be **(1 ½) One & half months for Sl. No. 1 & (02) two months for Sl. No. 2** and the date of commencement shall be reckoned from the tenth day of issue of award letter.
4. Complete Contract documents to be compiled with by the tenderer whose tender may be accepted can be seen at the office of **Civil Engineering Section, CIMFR, Dhanbad.**
5. Tenders should be on the specified form (Non-transferable) which may be obtained from the office of **Administrative Officer, CIMFR, Dhanbad** during office hours on payment of Rs. **500/- each**. In case (non-refundable) and will be also available in CIMFR website www.cimfr.nic.in, that can be downloaded for submission. Those parties who submit their tenders after down loading, shall be required to pay the above mentioned amount (*Cost of Tender Documents*) in the form of account payee D.D. drawn in favour of Director, CIMFR, Dhanbad payable at SBI, Hirapur, alongwith their Technical Bid. Sale of tenders shall be stopped two days before the date of opening of tenders.
6. Tenders should be submitted in double sealed covers superscribed with the name of the work, date and time of opening written both on the inner and outer envelopes. They will be received upto 3.00 P.M. on **10/12/2008** and will be opened at 3.30 P.M. on same day in the office of **Administrative Officer, CIMFR, Dhanbad** Tenders should be dropped in the tender box before the closing date and time indicated. CIMFR will not be held responsible for delay, loss or non-receipt of application or tender document of either side if sent by post and will not entertain any correspondence in this regard. Tenders sent by Telex/Telegram/Fax/E-mail/Post).
7. The Earnest Money amounting to Rs. **1) 4,325.00 (Rupees four thousand three hundred twenty five only), 2) 14,915.00 (Rupees fourteen thousand nine hundred fifteen only),** as demand draft or pay order of a schedule bank and drawn in favour of Director CIMFR, Dhanbad should accompany the tender. Tenders received without earnest money will be invalid.
8. The employer does not bind himself to accept the lowest or any tender and reserves to himself the right of accepting the whole or any part of the tenderer shall be bound to perform the same at the rates quoted.
9. Canvassing in connection with the tenders is prohibited and the tenders submitted by the contractor who resort to canvassing are liable for rejection.
10. The tender shall not be permitted to tender for works in the concerned unit of CSIR in which a relative is posted in grade between Controlled of Administration and Junior Engineer, (both inclusive). He shall also intimate the names of persons who are working with him in any capacity or subsequently employed by him and who are relatives as mentioned above.

NOTE : A person shall be deemed to be a relative of another if, and only if, (a) they are members of a Hindu undivided family or (b) they are husband and wife or (c) the one is related to the other in the following manner : father's, mother (including step mother), Son (including step son), Son's wife, Daughter (including step daughter), father's father, son's son, Son's son's wife, son's daughter husband, Daughter's husband, Daughter's son. Daughter's son's wife, Daughter's daughter, Daughter's daughter's husband, Brother (including step brother), Brother's wife, Sister (including step sister), Sister's husband.

11. Tender 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.
12. The tenderer shall quote rates both in figures and words. He shall also work-out the amount for each item or work and write in both figures and words. On check if there are differences between the rates quoted by the tenderer in words and in figures or in the amount worked out by him the following procedure shall be followed :
 - i) When there is a difference between the rates in figures and in words, the rates which correspond to the amounts worked out by the tenderer shall be taken as correct.
 - ii) When the amount of an item is not worked out by the tenderer or it does not correspond with the rate written either in figures or in words, the rate quoted by the tenderer in words shall be taken as correct.
 - iii) When the rate quoted by tenderer in figures and in words tallies but the amount is not worked out correctly the rate quoted by the tenderer shall be taken as correct and not the amount.
13. The tenderer should see drawings and in case of doubt obtain required particulars, which may in any way influence his tender from the Engineer as no claim whatsoever will be entertained for any alleged ignorance thereof.
14. Before tendering, the tenderer shall inspect the site to fully acquaint himself about the condition in regard to accessibility of site, nature and extent of ground, working condition of site and locality including stacking of materials, Installations of tools and plants (T & P) etc., conditions affecting accommodations and movement of labour etc. required for the satisfactory execution of the work contract. No claim whatsoever on such account shall be entertained by the Employer in any circumstances.
15. Earnest money will be forfeited if the contractor fails to commence the work as per letter of award.
16. Except writing rates and amount, the tenderer should not write any conditions or make any changes, additions, alterations and modifications in the printed form of tenders. Tenderers who are desirous to offer rebate the same should be brought out separately in the covering letter and submitted alongwith the tender.
17. Some of the provisions of General Conditions of Contract are given below. Interpretation how ever shall be as given in the General Conditions of Contract.
 - a) DEFECTS LIABILITY PERIOD: TWELVE months from the date of completion as certified by the Employer.
 - b) MINIMUM VALUE OF WORK FOR THE INTERMEDIATE CERTIFICATE: Rs.----- (Rupees -----). Intermediate certificate for a lesser amount can be admitted for payment at the discretion of the Engineer.
 - c) SECURITY DEPOSIT : Security deposit shall be deducted from the running bills of 10% of the gross value of work done and measured inclusive of Earnest Money subject to a maximum of Rs. ----- (Rupees -----)
 - d) COMPENSATION : Contractor shall pay as compensation an amount equal to one percent or such smaller amount as the Employer (whose decision in writing shall be final) may decide on the cost of the whole work shown in the agreement, for every week that the work remains uncommenced or unfinished or due quantity of work remains incomplete after the proper dates. Compensation to be paid shall not exceed ten percent of the estimated cost of work as showing in the agreement.
18. Schedule showing approximate quantity of materials to be supplied by the Employer under Clause : 6 of the General conditions of contract for works contracted to be executed and the rates at which they are to be charged for :

Particulars of materials	Approx. Qty.	Rates at which the material will be charged to the contractor			Place of delivery
		Unit	(Rs.) (Figure)	Rupees (Words)	

NOTE : The Tenderer shall ensure that particulars in the above form are filled in by the Engineer before he submits the tender.

19. For all specialist jobs e.g. lights for conditioning, Public address, fire protection, security surveillance and building management systems, technical (covering also general conditions and commercial terms) and financial offers will be given separately in two sealed covers.

20 a) Issue of cement and steel are subjected to availability in CIMFR Stores and the recovery of materials will be made as stated in SI No. 18 of BOQ, in case issue is made from CIMFR Stores.

b) In case of non-availability of materials i.e. cement and steel in CIMFR Store, the agency has to procure the same after obtaining due authorization from the department and the materials to be got approved by the Engineer-in-Charge and materials brought to site are to be entered in store's ledger before using the same to work. No extra carrying cost for transportation of materials will be paid by the department.

Cement to be used - Fresh Portland cement of 15 specification IS-1911-1967.

Steel to be used - Top steel of required section drawn from SAIL, Billets of ISI specifications.