

# 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

**Renovation of Bathrooms & Toilets at Lab Building (Main Bldg.), Administrative Building and Technical Block at CIMFR, HQ.**

*In*

**CIMFR Dhanbad.**

### INDEX

SECTION	PARTICULARS	PAGE NO.
I	NOTICE INVITING TENDER	2
II	COMMERCIAL BID	3 - 5
III	INSTRUCTION TO BIDDER	6 - 8

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

**NOTICE INVITING TENDER**

No. 23(378)/2009-GA/

Dated: 01/09/2009

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 Value	Earnest money	Time of completion	Cost of Tender Documents
1.	Renovation of Bathrooms & Toilets at Lab Building (Main Bldg.), Administrative Building and Technical Block at CIMFR, HQ.	14,95,868=87	29,917=00	6 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.

1. Valid sales tax, registration no. & Clearance certificate.
2. 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**

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

**2. Part-II**

**(Price Bid)**

**Consists of following documents**

- a) 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 04.09.2009 to 18.09.2009 on payment basis (Non refundable) on all working days of CIMFR up to 4:00 P.M. and will be also available in CIMFR website [www.cimfr.nic.in](http://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.**

The Part-I & Part-II are to be individually sealed in separate envelopes and are to be put in a 3<sup>rd</sup> 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, CMRI, Dhanbad, after obtaining date, signature of Administrative Officer / Section Officer on or before **22.09.2009** 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.**
- Ø **LOWEST QUOTING FIRM HAS TO BE SUBMITTED PERFORMANCE GUARANTEE AS PER RULE BEFORE AWARDING THE JOB.**
- Ø **ESTIMATE BASED ON DSR-2007.**
- Ø **CPWD SPECIFICATION WILL BE FOLLOWED STRICTLY DURING EXECUTION.**

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

1. The Telegraph, Kolkata Publication (English daily)
2. Hindustan Times, New Delhi Publication (English National)
3. Hindustan, Dhanbad Edition (Hindi Local) – Pointer advertisement

Name of Media – Indian Publicity Bureau Pvt. Ltd.,  
6/2 Madan Street, 2<sup>nd</sup> Floor, Kolkata-72

Sd/-  
Head Civil

Sd/-  
Co-ordinator, Civil

Sd/-  
Administrative Officer.

Sd/-  
**Director, CIMFR**

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

ABSTRACT OF COST ORIGINAL ESTIMATE

**Name of work :** Renovation of Bathrooms & Toilets at Lab Building (Main Bldg.), Administrative Building and Technical Block at CIMFR, HQ.

Sl.	Description of work	Qty	Per	Rates in (figures & words)	Amount
1.	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in all colours, shades, except White, Ivory, Grey, Fume Red Brown laid on 20mm thick bed of Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete.	240.00	Sqm		
2.	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture ) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	800.00	Sqm		
3.	Half brick masonry with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level. Cement mortar 1:3 (1 cement :3 coarse sand)	16.00	Sqm		
4.	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	1.20	Cum		
5.	Centering and shuttering including strutting, propping etc. and removal of form for : Shelves (Cast in situ)	20.00	Sqm		
6.	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Mild steel and Medium Tensile steel bars.	112.00	Kg		
7.	Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by Engineer-in-charge) over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with grey cement slurry including rubbing and polishing complete with : Agaria White.	22.00	Sqm		
8.	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade. New work (two or more coats) over and including priming coat with cement primer.	523.00	Sqm		
9.	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	523.00	Sqm		
10.	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	257.00	Sqm		
11.	Repairs to plaster of thickness 12mm to 20mm in patches of area 2.5 sq. meters and under including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50metres lead : With cement mortar 1:4 (1 cement : 4 fine sand)	29.00	Sqm		
12.	12 mm cement plaster of mix 1:4 (1 Cement : 4 coarse sand)	31.00	Sqm		
13.	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	29.00	Sqm		

14.	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required. White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests.	13.00	Each		
15.	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked black solid plastic seat and lid.	15.00	Each		
16.	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I.brackets, 40mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked black solid plastic seat and lid.	2.00	Each		
17.	P/F white vitreous china flat back half stall wrind of size 580 x 380 x 350 mm with white PVC automatic flushing cistern with fittings standard size C.P. brass flush pipe spreading with unions and clamps (all in C.P brass) with waste fittings as per IS: 2556 C.I. trap with outlet grating and other complete in C.P. brass including painting of fittings and cutting and making good the walls and floors.				
a)	Range of three half stall urinal with 10 litre PVC automatic flush cistern	8.00	Each		
b)	Range of four half stall urinal with 10 litre PVC automatic flush cistern	2.00	Each		
18.	Providing and fixing one piece construction white vitreous china squatting plate with an integral longitudinal flushing pipe, white P.V.C. automatic flushing cistern, with fittings, standard size G.I. flush pipe for back and front flush with standard spreader pipes with fittings, G.I clamps and C.P. brass coupling complete including painting of fittings and cutting and making good the walls and floors etc. wherever required : Single squatting plate with 5 litre P.V.C. automatic flushing cistern.	1.00	Each		
19.	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe : 32 mm dia.	38.00	Each		
20.	Providing and fixing 100 mm sand cast Iron grating for gully trap.	38.00	Each		
21.	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Circular shape 450mm dia.	38.00	Each		
22.	Providing and fixing 600x120x5mm glass shelf with edges round of supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	38.00	Each		
23.	Providing and fixing PTMT liquid soap container 109mm wide, 125mm high and 112mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour. weighing not less than 105 gms.	15.00	Each		
24.	Providing and fixing PTMT towel ring trapezoidal shape 215mm long, 200mm wide with a minimum distances of 37mm from wall face with concealed fittings arrangement of approved quality and colour. Weighing not less than 88 gms.	3.00	Each		
25.	Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour. 600mm long towel rail with total length of 645mm, width 78mm and effective height of 88mm, weighing not less than 190gms.	12.00	Each		

26.	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc.				
a)	15 mm dia. nominal bore	45.00	Mtr.		
b)	20 mm dia. nominal bore	30.00	Mtr.		
27.	Concealed pipe including painting with anti corrosive bitumastic paint, cutting chases and making good the wall.				
a)	15 mm dia. nominal bore	30.00	Mtr.		
b)	20 mm dia. nominal bore	15.00	Mtr.		
28.	Providing and fixing brass bib cock of approved quality : 15 mm nominal bore	15.00	Each		
29.	Providing and fixing brass stop cock of approved quality : 15 mm nominal bore	78.00	Each		
30.	Providing and fixing uplasticised PVC connection pipe with brass unions : 15 mm nominal bore	78.00	Each		
31.	P/F G.I. union in existing G.I. pipe line, cutting and threading the pipe making long screws including cutting of wall and making good the same complete wherever required.				
a)	15 mm nominal bore	15.00	Each		
b)	20 mm nominal bore	15.00	Each		
32.	Dismantling of flushing cistern of any size including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	30.00	Each		
33.	P/F fully automatic photoelectric IR sensing system for wall mounted mate urinals filtered desalinated water flushing, comprising of open air half inch pipe mounting reflective sensor with control box, 3 mtrs, 2 core wiring between solenoids valve and control box 3 metres sheathed 3 core flex electric supply cable 1 thee pin 5 amps plug top type of 452C of Angash International make or equivalent complete in all respect including cost of all material & labour.	32.00	Each		
34.	P/F KOPAL or equivalent hand drier, no touch operating 20R Hygiene level, Fully Hygienic level, rated for continuous repeat use, time required to dry hand pair upto wrists, Half-a minute for 230 volts, 1 phase 50 Hz 15 amp AC supply with summer winter control. In rugged multiple staved, multiple grounded steel enclosure with one bracket for firm wall fixture, one metre sheathed 3 core flexible cable, 1- three pin 15 amps plug top.	15.00	Each		
35.	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps,32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap.	38.00	Each		
Ext item no. 1.	Demolishing W.C. Pan / Commode including disposal of rubbish within 50 mts. Lead.	30.00	Each		
Total (Rs.)					

Signature of the contractor

## INSTRUCTION TO BIDDER

1. Tenders are hereby invited for the work of **1) Renovation of Bathrooms & Toilets at Lab Building (Main Bldg.), Administrative Building and Technical Block at CIMFR, HQ** 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) 14,95,868=87 (Rupees fourteen lakhs ninety five thousand eight hundred sixty eight & paise eighty seven 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) 14,95,868=87 (Rupees fourteen lakhs ninety five thousand eight hundred sixty eight & paise eighty seven only).**
3. Time for carrying out the work will be **1) (06) Six months** 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/-** In case (non-refundable).
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 **22.09.2009** 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.
7. The Earnest Money amounting to Rs. **1) 29,917=00 (Rupees twenty nine thousand nine hundred & seventeen 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