

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

CORRIGENDUM / Extension of last date of submission of tender

With reference to CIMFR tender notice vide No. 23(284)/2007-GA/ & QP/GE/1/07-08/LRF/1.6, dated: 14/07/2008 published in news papers on dated 23/07/2008, the last date of selling & submission of tenders for the work mentioned above may be read as 27/08/2008 upto 3 P.M. Opening date – 29/08/2008 at 3.30 P.M. Schedule of quantities in electrical part has been slightly changed. The tenderers who have already submitted, is requested to change their offer within the revised period if they so desire. Tender document will be available in CIMFR website www.cmriindia.nic.in. The remaining conditions of NIT will remain same.

CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, DHANBAD

(Council of Scientific & Industrial Research)

Barwa Road, Dhanbad- 826 015 (Jharkhand) INDIA

Tenders Documents
for
Execution of

Civil work, Electrification work, Air Conditioning work of Video Conferencing Room (18'x14^{1/2'})

In

CIMFR Dhanbad.

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NIT NO.:

Phone: 0091-326-2296023/; Fax : 0091-326-229-6025

E-mail : dcmrips@yahoo.co.in

NOTICE INVITING TENDER
(Displaying in Notice Boards)

No. 23(284)/2007-GA/ & QP/GE/1/07-08/LRF/1.6

Dated : 09/07/2008

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 Amount (Rs.)	Earnest money	Time of completion	Cost of Tender Documents
1.	Civil work, Electrification work, Air conditioning work of Video Conferencing Room (18'x14½') at CIMFR, Dhanbad.	8,97,865.00	18,000.00	3 Months	500.00
2.	Video Conferencing facility at CIMFR, Digwadih Campus.	8,84,335.00	17,700.00	3 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. Xerox copy of PAN card.
2. Valid Jharkhand Sales Tax, Registration No. and Clearance certificates.
3. Completion certificate along with payment received of three 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

(Technical Bid)

Consists of following documents

- a) Proof of documents as mentioned above (1-3)
- b) Earnest Money
- c) Cost of Tender documents (In case of tender document down loading from CIMFR Web site.)

2. Part-II

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 24/07/2008 to 20/08/2008 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.cmriindia.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.

A pre bid meeting will be arranged at CIMFR on 08/08/08 at 11:00 A.M. for the detail technical discussion regarding execution of the above job.

VENUE: CIMFR Committee Room, Bidders interested in Participating in the pre bid meeting must send a fax requisition to HOD, Civil. FAX no.: 0091-326-2296025 on or before 07/08/08, 3:00 P.M.

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 22/08/2008 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.**
- Ø **LOWEST QUOTING FIRM HAS TO BE SUBMITTED PERFORMANCE GUARANTEE AS PER RULE BEFORE AWARDING THE JOB.**
- Ø **GENERAL CONDITIONS OF CONTRACT OF CIMFR/CSIR WILL BE FOLLOWED DURING EXECUTION OF THE AGREEMENT AND IT WILL BE AVAILABLE AT CIVIL ENGG. SECTION.**

-Sd-

HOD (Civil)

-Sd-

Administrative Officer

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 - Union Publicity Bureau, 34B, Ballygunge Gardens, Golpark, Kolkata - 700 019.

A.O.

Director

CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH

(Council of scientific & Industrial Research)

DHANBAD CAMPUS

Name of work : Video conferencing facility at CIMFR, Dhanbad campus.

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Sl.	Description of item	Quantity	Rate	Unit	Amount (Rs.)
1.	<p>Acoustical Treatment on Walls: Providing and fixing Anutone Ekcelsior FABSTRETCH (TRV) panel or equivalent of size 1200 x 600 x 15 mm ND 6 to make 25 mm thick 10 mm beding of AW (6 x 10) to be used with Anutone Soundstrut & sound profile FS-25 (CENTER & EDGE) along with board which will comprise to NRC 0.80 Anutone Ekcelsior FABSTRETCH Panel or equivalent meet the stringent fire test required having class 'P' rating for ignitability test as per BS 476 part 5 and class '1' are the highest rating as per BS 476 part 7 for surface spread of flame test, Class 'P' and class '1' are the highest rating. BS 476 part 6 fire propagation index and for flaming ISO 1182 and smoke density as per ASTM E 662 besides base panel confirm to EN 13168 - 2000 with complete framework of Anutone Soundstrut or equivalent along with 1200 x 600 x 15 mm BSB board and 15 mm thick Gyp board both side of GI framework for sound isolation as per drawing and installation details given below.</p> <p>The Anutone Ekcelsior FABSTRETCH (TRV) or equivalent panel is to be fixed on Anutone Soundstrut ASP floor and ceiling channel & stud of GI section of prime quality cold rolled steel as per IS 513 hot dipped galvanized 120 gsm as per BS 2989 and zinc coating as per IS 277 of size 50x32x32x0.45 mm thick with equal flanges floor and ceiling channel as per cord ASP-FC 50/72 which is to be fixed with plastic sleeves and wooden screws and the stud channel 48x34x36x0.45 mm thick with unequal flanges as per code ASP-SC 48/70. The extra stud channel must be used at openings and junctions as required. The Soundsynth AW 10 x 50 of surface density should be installed in cavity of GI frame with Anutone 15 mm BSB board and 15 mm thick Cyp board both side for sound isolation and better insulation & comfort conditions. The stud will come at every 600 centre to center & FS-25 are to be fixed with 8 mm x 100 mm ply rigid backing to avoid any movement perpendicular to the studs on centers & horizontal to ceiling / floor channel with wooden screws for stretching on Acoustic Panel TRV fabric with FS-25 in plumb, line & level. Sound Sonator of 8 mm thick is to be installed with 20 x 20 mm section with Z clip on the board into the GI frame for proper holding and LF Absorption as shown in drawing as per the specification and direction of the E.I.C.</p>	54.68		Sqm	

Sl.	Description of item	Quantity	Rate	Unit	Amount (Rs.)
2.	<p>Carpet Tiles Flooring : Providing and fixing carpet tiles 7000 series of LG make or equivalent in flooring in approved pattern on a smooth and using water based adhesives of approved quality and manufacturer like Dunlop S-758, Fevicol SR 998 or equivalent on existing cement concrete floor, after preparation of floor as per manufacturer's specification and manual all complete as directed by manufacturer's recommendation and specification in approved color and shade. 6.5 mm thick carpet tile in size 500 mm x 500 mm.</p>	21.56		sqm	
3.	<p>Acoustical False Ceiling : Providing and fixing Anutone Mikrofibre Acoustical tile (MAT- VIN) or equivalent of size 595 mm x 595 mm x 15 mm ND-6 which will comprise of NRC 0.9 base panel with humidity resistance of 95% RH, light reflection > 85 for all visual variants and thermal conductivity k=0.082 W/Mk with sag resistance with normal edge profile in true horizontal level suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 170 gsm/sqm) consisting of main "T" runner suitably spaced at joints to get required length and of size 24 x 38 mm thick (minimum) sheet spaced at 1200 mm center to center and cross "T" of size 24 x 25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of size 1200 mm x 600 mm and secondary cross "T" of length 600 mm and size 24 x 25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200 mm x 600 mm panel to form grid of 600 mm x 600 mm and laying 15 mm thick Acoustic MAT - VIN of Anutone or equivalent false ceiling tiles of approved texture in the grid including wherever required, cutting/ making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. main "T" runners to be suspended from ceiling using GI slotted cleats fixed to ceiling with 6 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized level clips spaced at 1200 mm c/c along main T, bottom exposed width of 24 mm of all T sections shall be pre-painted with polyester paint, all complete at all heights as per specifications drawings and as directed by Engineer-in-charge.</p>	21.56		Sqm	
4.	<p>Revolving Chairs : Providing and fixing of Revolving chairs with PCH -9101-R code of Godrej make only as per drawing and Engineer-in-charge.</p>	5.00		Each	

Sl.	Description of item	Quantity	Rate	Unit	Amount (Rs.)
5.	Wooden Cabinet : Providing and fixing wooden cabinet including frame work under bottom of false ceiling along with providing and fixing CSIR LOGO (9" dia) and clock (9" dia) exposed made out of brass over LVL + 600 by 15 mm thick open able shutter (1 mm thick laminated) fixed with magnetic hinges including teak wood beading as / design polished of approved shade, bottom drawers to move on telescope channels, 15 mm thick shutter at LVL + 600 (1 mm thick laminated) fixed with magnetic hinges complete with chrome plated knob over 75 mm high skirting (50 mm recessed) as per detailed drawing and design (enclosed).	14.34		Sqm	
6.	Conference Table : Providing and fixing conference table made out of 35 mm thick MDF board of length 4.50 m x 0.60 m width x 0.75 m height including perforated sheet with supporting frames & foot rests with mat finished lamination of 1.50 mm thickness over 35 mm thick board in all sides, 4.00 mm thick veneering on table top, sides finished with PU based melamine polish as per specification enclosed in the drawing and half round Teak moulding 50 mm x 20 mm on entire edge of conference table in semi circular shape including other exposed to be finished as per design, drawing all complete and as per instruction of the Engineer-in-charge. The table top shall be provided with 25 mm wide designer veneer border and veneer appliques of 150 mm x 150 mm or 150 mm dia size of approved color & design.	4.50		R.M.	
					(Rs.)

Signature of the Contractor

Name of work: Electrification work of video conference room ((16' x 14 ½') at CIMFR,
Dhanbad Campus.

Sl.	Description of item	Quantity	Rate	Unit	Amount (Rs.)
1.	Wiring for Light point/Fan point/Exhaust Fan point/ Call Bell point with 1.5 sq.mm PVC insulated, copper conductor cable in surface/ recessed steel conduit along with 1 no. 1.5 sq. mm PVC insulated copper conductor single core wire of green colour for loop earthing as required. (Modular Switch, Front plate and Steel Box of suitable size will be used)	14		Each	
2.	Wiring for circuit wiring with 2 x 2.5 sq. mm PVC insulated, copper conductor, single core flexible cable in surface / recessed steel conduit along with 1 no. 1.5 sq. mm PVC insulated copper conductor single core wire of green colour for loop earthing as required.	30		Metre	
3.	Supply and fixing suitable size metal box with front plate on surface or in recess including providing and fixing 5 pin 5 / 6 amp 3 nos. Modular socket outlet control with one no. 5 / 6 amp Modular type switch, connections, painting etc. as required.	3		Each	
4.	Supply and fixing suitable size metal box with front plate in surface or in recess including providing and fixing one no. 6 pin 15 / 16 amp Modular socket outlet and one no.15 / 16 amp Modular type switch, connections, painting etc. as required.	5		Each	
5.	Wiring for light / power plug with 2 x 2.5 sq. mm PVC insulated, copper conductor, single core flexible cable in surface/ recessed steel conduit along with 1 no. 1.5 sq. mm PVC insulated copper conductor single core wire of green colour for loop earthing as required.	30		Each	
6.	Wiring for light / power plug with 2 x 4 sq. mm PVC insulated, copper conductor, single core flexible cable in surface / recessed steel conduit along with 1 no. 1.5 sq. mm PVC insulated copper conductor single core wire of green colour for loop earthing as required.	40		Meter	
7.	Wiring for connection to Main DB with 4 x 10 sq. mm PVC insulated, copper conductor, single core flexible cable in surface / recessed steel conduit of 40 mm dia along with 1 no. 6 sq. mm PVC insulated copper conductor single core wire of green colour for earthing as required.	30		Meter	
8.	Supply installation, Testing and commissioning of Recessed mounting down lighters Armstrong / US gypsum or similar ceiling mounting system with concealed or exposed 'T' section complete with all accessories i.e. 2 nos. PL-L 42 W lamps, choke & starter complete in all respect. Philips cat no. FBH 225 /242 HFP / ALR 2 x PL- T 42 W	12		Each	
9.	Supply, installation, testing & commissioning Table Mount AV Connectivity Boxes Cable Cubby 300x300C " Extron" make including wiring etc. complete in all respect.	5		Each	
10.	Supply and fixing 20 amps., 240 volts, SPN industrial type socket outlet, with 2 Pole and earth metal enclosed plug top along with 20 amps. B-series, SP MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket, outlet and complete with connections, testing and commissioning etc. as required.	2		Each	

11.	Supply and fixing of following size of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required.				
(i)	20 mm	50		Meter	
(ii)	25 mm	10		Meter	
12.	Supply and drawing CAT 6 PVC insulated copper cable " De-link" make in existing surface/ recess PVC conduit complete as required.	50		Each	
13.	Providing and fixing Rj 45 Gang connector of "De-link" for LAN wiring including connection etc. complete as required.	2		Each	
14.	Supply and fixing of 3 phase and neutral MCB distribution board, 12 ways (4 ways/phase) sheet steel, powder coated DB's, acrylic cover for MCB's, fitted with bus bars, neutral link, earth bar and din rail etc. all complete (IS:13032-1991) Make: Havell's /HPL	1		Each	
15.	Supply and fixing of MCB Isolator, 4 pole, 63 Amps. Make: Havell's / HPL	1		Each	
16.	Supply and fixing of single pole MCB, 240 V, 50 Hz, Make: Havell's /HPL i) 5 Amps ii) 20 Amps	5 7		Each Each	
17.	Providing earthing with GI earth pipe 4.5 meter long, 40 mm dia. with brick masonry enclosure in cement mortar cover plate having locking arrangement on the top etc. providing charcoal layer excavation and refilling etc. all complete.	1		Each	
18.	Supply and erecting 25 x 5 mm GI strip in an approved manner.	25		Meter	
N.B.: Additional items to be executed as per corrigendum.					
19.	Table for document camera with the same height of conference table (size of the camera - 16.1"/20.1"/22.0")	1 No.		Each	
20.	Six plug boards with one 15 amp. & three 5 amp. switch & socket in each board.	6 Nos.		Each	
					(Rs.)

Signature of the Contractor

Name of work: Air Conditioning at CIMFR, Dhanbad Campus

Sl.	Description of item	Quantity	Rate	Unit	Amount (Rs.)
1.	Supply, installation, testing and commissioning of split type Air conditioner of cooling capacity 18,000 BTU/Hr. (1.5 TR) each comprising an outdoor unit consisting of hermetic compressor, air cooled condenser, condenser fan, etc. and indoor unit consists of centrifugal fans, fan motor, DX cooling coil, outer casing, filters, controls, etc. both interconnected with copper refrigerant pipe (5 m included in cost), cabling, wiring, insulation and with full charge of refrigerant gas, oil, etc. including M.S. frame for outdoor condensing unit, suitable for single phase, 220 V, 50 Hz Power supply. Make: LG Split type LWA 19 U, RAE Note:- <ul style="list-style-type: none">The Split AC unit shall have noise level \leq 48 dBA	2		Each	
					(Rs.)

Signature of the Contractor

INSTRUCTION TO BIDDER

1. Tenders are hereby invited for the work of **a) Civil work, Electrification work, Air Conditioning work of Video Conferencing Room (18'x141/2') at CIMFR Dhanbad.**
b) Video Conferencing facility at CIMFR, Digwadih Campus 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. **a) 8,97,865.00 & b) 8,84,335.00 (Rupees Eight lakhs ninety seven thousand eight hundred & sixty five only) & (Rupees Eight lakhs eighty four thousand three hundred & thirty five 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. **a) 8,97,865.00 & b) 8,84,335.00 (Rupees Eight lakhs ninety seven thousand eight hundred & sixty five only) & (Rupees Eight lakhs eighty four thousand three hundred & thirty five only).**
3. Time for carrying out the work will be **a) Three months & b) Three 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 wit 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.cmrindia.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 **22/08/2008** 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. a) 18,000/- & b) 17,700/- (Rupees eighteen thousand only) & (Rupees seventeen thousand seven hundred only) as demand draft or pay order of a schedule band 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. 3,00,000/- (Rupees Three lakhs only). 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. 5.00 lakhs (Rupees five lakhs only)
 - 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.

CENTRAL INSTITUTE OF MINING & FUEL RESEARCH, DHANBAD

(Council of Scientific & Industrial Research)

Digwadih Campus, Dhanbad (Jharkhand) INDIA

CIVIL ENGINEERING SECTION

Tenders Documents

for

Execution of

Video Conferencing facility

In

CIMFR, Digwadih Campus, Dhanbad.

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No. 23(284)/2007-GA/ & QP/GE/1/07-08/LRF/1.6

Dated : 09/07/2008

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3. Completion certificate along with payment received of three 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

(Technical Bid)

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2. Part-II

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 24/07/2008 to 20/08/2008 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.cmriindia.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.

A pre bid meeting will be arranged at CIMFR on 08/08/08 at 11:00 A.M. for the detail technical discussion regarding execution of the above job.

VENUE: CIMFR Committee Room, Bidders interested in Participating in the pre bid meeting must send a fax requisition to HOD, Civil. FAX no.: 0091-326-2296025 on or before 07/08/08, 3:00 P.M.

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 22/08/2008 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.
- Ø LOWEST QUOTING FIRM HAS TO BE SUBMITTED PERFORMANCE GUARANTEE AS PER RULE BEFORE AWARDING THE JOB.
- Ø GENERAL CONDITIONS OF CONTRACT OF CIMFR/CSIR WILL BE FOLLOWED DURING EXECUTION OF THE AGREEMENT AND IT WILL BE AVAILABLE AT CIVIL ENGG. SECTION.

Sd
HOD (Civil)

Sd
Administrative Officer

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 - Union Publicity Bureau, 34B, Ballyunge Gardens, Golpark, Kolkata - 700 019.

A.O.
Director

CENTRAL INSTITUTE OF MINING AND FUEL RESEARCH
(Council of scientific & Industrial Research)
DIGWADIH CAMPUS

Name of work : Video conferencing facility at CIMFR, Digwadih campus.

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Sl.	Description of item	Quantity	Rate	Unit	Amount (Rs.)
1.	<p>Acoustical Treatment on Walls: Providing and fixing Anutone Ekcelsior FABSTRETCH (TRV) panel or equivalent of size 1200 x 600 x 15 mm ND 6 to make 25 mm thick 10 mm beding of AW (6 x 10) to be used with Anutone Soundstrut & sound profile FS-25 (CENTER & EDGE) along with board which will comprise to NRC 0.80 Anutone Ekcelsior FABSTRETCH Panel or equivalent meet the stringent fire test required having class 'P' rating for ignitability test as per BS 476 part 5 and class '1' are the highest rating as per BS 476 part 7 for surface spread of flame test, Class 'P' and class '1' are the highest rating. BS 476 part 6 fire propagation index and for flaming ISO 1182 and smoke density as per ASTM E 662 besides base panel confirm to EN 13168 - 2000 with complete framework of Anutone Soundstrut or equivalent along with 1200 x 600 x 15 mm BSB board and 15 mm thick Gyp board both side of GI framework for sound isolation as per drawing and installation details given below.</p> <p>The Anutone Ekcelsior FABSTRETCH (TRV) or equivalent panel is to be fixed on Anutone Soundstrut ASP floor and ceiling channel & stud of GI section of prime quality cold rolled steel as per IS 513 hot dipped galvanized 120 gsm as per BS 2989 and zinc coating as per IS 277 of size 50x32x32x0.45 mm thick with equal flanges floor and ceiling channel as per cord ASP-FC 50/72 which is to be fixed with plastic sleeves and wooden screws and the stud channel 48x34x36x0.45 mm thick with unequal flanges as per code ASP-SC 48/70. The extra stud channel must be used at openings and junctions as required. The Soundsynth AW 10 x 50 of surface density should be installed in cavity of GI frame with Anutone 15 mm BSB board and 15 mm thick Cyp board both side for sound isolation and better insulation & comfort conditions. The stud will come at every 600 centre to Center & FS-25 are to be fixed with 8 mm x 100 mm ply rigid backing to avoid any movement perpendicular to the studs on centers & horizontal to ceiling / floor channel with wooden screws for stretching on Acoustic Panel TRV fabric with FS-25 in plumb, line & level. Sound Sonator of 8 mm thick is to be installed with 20 x 20 mm section with Z clip on the board into the GI frame for proper holding and LF Absorption as shown in drawing as per the specification and direction of the E.I.C.</p>	55.10		Sqm	

Sl.	Description of item	Quantity	Rate	Unit	Amount (Rs.)
2.	<p>Carpet Tiles Flooring : Providing and fixing carpet tiles 7000 series of LG make or equivalent in flooring in approved pattern on a smooth and using water based adhesives of approved quality and manufacturer like Dunlop S-758, Fevicol SR 998 or equivalent on existing cement concrete floor, after preparation of floor as per manufacturer's specification and manual all complete as directed by manufacturer's recommendation and specification in approved color and shade. 6.5 mm thick carpet tile in size 500 mm x 500 mm.</p>	20.50		sqm	
3.	<p>Acoustical False Ceiling : Providing and fixing Anutone Mikrofibre Acoustical tile (MAT- VI N) or equivalent of size 595 mm x 595 mm x 15 mm ND-6 which will comprise of NRC 0.9 base panel with humidity resistance of 95% RH, light reflection > 85 for all visual variants and thermal conductivity k=0.082 W/Mk with sag resistance with normal edge profile in true horizontal level suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 170 gsm/sqm) consisting of main "T" runner suitably spaced at joints to get required length and of size 24 x 38 mm thick (minimum) sheet spaced at 1200 mm center to center and cross "T" of size 24 x 25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of size 1200 mm x 600 mm and secondary cross "T" of length 600 mm and size 24 x 25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200 mm x 600 mm panel to form grid of 600 mm x 600 mm and laying 15 mm thick Acoustic MAT - VI N of Anutone or equivalent false ceiling tiles of approved texture in the grid including wherever required, cutting/ making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. main "T" runners to be suspended from ceiling using GI slotted cleats fixed to ceiling with 6 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized level clips spaced at 1200 mm c/c along main T, bottom exposed width of 24 mm of all T sections shall be pre-painted with polyester paint, all complete at all heights as per specifications drawings and as directed by Engineer-in-charge.</p>	20.50		Sqm	
4.	<p>Revolving Chairs : Providing and fixing of Revolving chairs with PCH -9101-R code of Godrej make only as per drawing and Engineer-in-charge.</p>	5.00		Each	

Sl.	Description of item	Quantity	Rate	Unit	Amount (Rs.)
5.	Wooden Cabinet : Providing and fixing wooden cabinet including frame work under bottom of false ceiling along with providing and fixing CSIR LOGO (9" dia) and clock (9" dia) exposed made out of brass over LVL + 600 by 15 mm thick open able shutter (1 mm thick laminated) fixed with magnetic hinges including teak wood beading as / design polished of approved shade, bottom drawers to move on telescope channels, 15 mm thick shutter at LVL + 600 (1 mm thick laminated) fixed with magnetic hinges complete with chrome plated knob over 75 mm high skirting (50 mm recessed) as per detailed drawing and design (enclosed).	10.65		Sqm	
6.	Conference Table : Providing and fixing conference table made out of 35 mm thick MDF board of length 4.50 m x 0.60 m width x 0.75 m height including perforated sheet with supporting frames & foot rests with mat finished lamination of 1.50 mm thickness over 35 mm thick board in all sides, 4.00 mm thick veneering on table top, sides finished with PU based melamine polish as per specification enclosed in the drawing and half round Teak moulding 50 mm x 20 mm on entire edge of conference table in semi circular shape including other exposed to be finished as per design, drawing all complete and as per instruction of the Engineer-in-charge. The table top shall be provided with 25 mm wide designer veneer border and veneer appliques of 150 mm x 150 mm or 150 mm dia size of approved color & design.	4.50		R.M.	
					(Rs.)

Signature of the Contractor

Name of work: Electrification work of video conference room ((18' x 12') at CIMFR, Digwadih Campus

Sl.	Description of item	Quantity	Rate	Unit	Amount (Rs.)
1.	Wiring for Light point/Fan point/Exhaust Fan point/ Call Bell point with 1.5 sq.mm PVC insulated, copper conductor cable in surface/ recessed steel conduit along with 1 no. 1.5 sq. mm PVC insulated copper conductor single core wire of green colour for loop earthing as required. (Modular Switch, Front plate and Steel Box of suitable size will be used)	14		Each	
2.	Wiring for circuit wiring with 2 x 2.5 sq. mm PVC insulated, copper conductor, single core flexible cable in surface / recessed steel conduit along with 1 no. 1.5 sq. mm PVC insulated copper conductor single core wire of green colour for loop earthing as required.	30		Metre	
3.	Supply and fixing suitable size metal box with front plate on surface or in recess including providing and fixing 5 pin 5 / 6 amp 3 nos. Modular socket outlet control with one no. 5 / 6 amp Modular type switch, connections, painting etc. as required.	3		Each	
4.	Supply and fixing suitable size metal box with front plate in surface or in recess including providing and fixing one no. 6 pin 15 / 16 amp Modular socket outlet and one no.15 / 16 amp Modular type switch, connections, painting etc. as required.	5		Each	
5.	Wiring for light / power plug with 2 x 2.5 sq. mm PVC insulated, copper conductor, single core flexible cable in surface/ recessed steel conduit along with 1 no. 1.5 sq. mm PVC insulated copper conductor single core wire of green colour for loop earthing as required.	30		Each	
6.	Wiring for light / power plug with 2 x 4 sq. mm PVC insulated, copper conductor, single core flexible cable in surface / recessed steel conduit along with 1 no. 1.5 sq. mm PVC insulated copper conductor single core wire of green colour for loop earthing as required.	40		Meter	
7.	Wiring for connection to Main DB with 4 x 10 sq. mm PVC insulated, copper conductor, single core flexible cable in surface / recessed steel conduit of 40 mm dia along with 1 no. 6 sq. mm PVC insulated copper conductor single core wire of green colour for earthing as required.	30		Meter	
8.	Supply installation, Testing and commissioning of Recessed mounting down lighters Armstrong / US gypsum or similar ceiling mounting system with concealed or exposed 'T' section complete with all accessories i.e. 2 nos. PL-L 42 W lamps, choke & starter complete in all respect. Philips cat no. FBH 225 /242 HFP / ALR 2 x PL- T 42 W	12		Each	
9.	Supply, installation, testing & commissioning Table Mount AV Connectivity Boxes Cable Cubby 300x300C " Extron" make including wiring etc. complete in all respect.	5		Each	
10.	Supply and fixing 20 amps., 240 volts, SPN industrial type socket outlet, with 2 Pole and earth metal enclosed plug top along with 20 amps. B-series, SP MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket, outlet and complete with connections, testing and commissioning etc. as required.	2		Each	

11.	Supply and fixing of following size of PVC conduit along with the accessories in surface / recess including cutting the wall and making good the same in case of recessed conduit as required.				
(i)	20 mm	50			Meter
(ii)	25 mm	10			Meter
12.	Supply and drawing CAT 6 PVC insulated copper cable " De-link" make in existing surface/ recess PVC conduit complete as required.	50			Each
13.	Providing and fixing Rj 45 Gang connector of "De-link" for LAN wiring including connection etc. complete as required.	2			Each
14.	Supply and fixing of 3 phase and neutral MCB distribution board, 12 ways (4 ways/phase) sheet steel, powder coated DB's, acrylic cover for MCB's, fitted with bus bars, neutral link, earth bar and din rail etc. all complete (I S:13032-1991) Make: Havell's /HPL	1			Each
15.	Supply and fixing of MCB Isolator, 4 pole, 63 Amps. Make: Havell's / HPL	1			Each
16.	Supply and fixing of single pole MCB, 240 V, 50 Hz, Make: Havell's /HPL i) 5 Amps ii) 20 Amps	5 7			Each Each
17.	Providing earthing with GI earth pipe 4.5 meter long, 40 mm dia. with brick masonry enclosure in cement mortar cover plate having locking arrangement on the top etc. providing charcoal layer excavation and refilling etc. all complete.	1			Each
18.	Supply and erecting 25 x 5 mm GI strip in an approved manner.	25			Meter
N.B.: Additional items to be executed as per corrigendum.					
19.	Table for document camera with the same height of conference table (size of the camera - 16.1"/20.1"/22.0")	1 No.			Each
20.	Six plug boards with one 15 amp. & three 5 amp. switch & socket in each board.	6 Nos.			Each
					(Rs.)

Signature of the Contractor

Name of work: Air Conditioning at CIMFR, Digwadih Campus

Sl.	Description of item	Quantity	Rate	Unit	Amount (Rs.)
1.	Supply, installation, testing and commissioning of split type Air conditioner of cooling capacity 18,000 BTU/Hr. (1.5 TR) each comprising an outdoor unit consisting of hermetic compressor, air cooled condenser, condenser fan, etc. and indoor unit consists of centrifugal fans, fan motor, DX cooling coil, outer casing, filters, controls, etc. both interconnected with copper refrigerant pipe (5 m included in cost), cabling, wiring, insulation and with full charge of refrigerant gas, oil, etc. including M.S. frame for outdoor condensing unit, suitable for single phase, 220 V, 50 Hz Power supply. Make: LG Split type LWA 19 U, RAE Note:- <ul style="list-style-type: none"> • The Split AC unit shall have noise level ≤ 48 dBA 	2		Each	
					(Rs.)

Signature of the Contractor

INSTRUCTION TO BIDDER

1. Tenders are hereby invited for the work of **a) Civil work, Electrification work, Air Conditioning work of Video Conferencing Room (18'x141/2') at CIMFR Dhanbad.**
b) Video Conferencing facility at CIMFR, Digwadih Campus 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. **a) 8,97,865.00 & b) 8,84,335.00 (Rupees Eight lakhs ninety seven thousand eight hundred & sixty five only) & (Rupees Eight lakhs eighty four thousand three hundred & thirty five 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. **a) 8,97,865.00 & b) 8,84,335.00 (Rupees Eight lakhs ninety seven thousand eight hundred & sixty five only) & (Rupees Eight lakhs eighty four thousand three hundred & thirty five only).**
3. Time for carrying out the work will be **a) Three months & b) Three 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 wit 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.cmriindia.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 **22/08/2008** 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. a) 18,000/- & b) 17,700/- (Rupees eighteen thousand only) & (Rupees seventeen thousand seven hundred only) as demand draft or pay order of a schedule band 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 :
 - iv) 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.
 - v) 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.
 - vi) 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.
 - e) DEFECTS LIABILITY PERIOD: TWELVE months from the date of completion as certified by the Employer.
 - f) MINIMUM VALUE OF WORK FOR THE INTERMEDIATE CERTIFICATE: Rs. 3,00,000/- (Rupees Three lakhs only). Intermediate certificate for a lesser amount can be admitted for payment at the discretion of the Engineer.
 - g) 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. 5.00 lakhs (Rupees five lakhs only)
 - h) 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.