

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 of boundary wall, filling sand and provide a culvert to prevent erosion of the main boundary of CIMFR near Rajwar village

In

CIMFR Dhanbad.

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NIT NO.:

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

E-mail : dcmrips@yahoo.co.in

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

ABSTRACT OF COST ORIGINAL ESTIMATE

Name of work : Repairing of boundary wall, filling sand and provide a culvert to prevent erosion of the main boundary of CIMFR near Rajwar village.

Sl.	Description of work	Qty	Per	Rate	Amount
1.	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil.	73.13	Cum		
2.	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.	18.28	Cum		
3.	Supplying and filling in plinth with Jamuna sand under floors including, watering, ramming consolidating and dressing complete	4.68	Cum		
4.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size).	7.05	Cum		
5.	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).	0.66	Cum		
6.	Centering and shuttering including strutting, propping etc. and removal of form for : Shelves (Cast in situ).	7.64	Sqm		
7.	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Mild steel and Medium Tensile steel bars.	133.67	Kg		
8.	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)	43.90	Cum		
9.	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	3.09	Cum		
10.	Providing & laying flat brick soling including sand in bed & joint.	227.20	Sqm		
11.	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40mm thick with 20mm nominal size stone aggregate.	56.72	Sqm		
12.	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	7.56	Cum		
13.	12 mm cement plaster 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement.	130.51	Sqm		
14.	12 mm cement plaster of mix : 1:6 (1 cement: 6 fine sand)	414.40	Sqm		
				Total (Rs.)	

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CIVIL ENGINEERING SECTION

Tenders Documents

for

Execution of

Renovation of Instrumentation room at Explosive Research Laboratory

In

CIMFR Dhanbad.

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ABSTRACT OF COST ORIGINAL ESTIMATE

Name of work : Renovation of Instrumentation room at Explosive Research Laboratory.

Sl.	Description of work	Qty	Per	Rate	Amount
1.	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. 1:3:6 or richer mix	2.00	Cum		
2.	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge. In cement mortar	2.00	Cum		
3.	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	0.20	Cum		
4.	Demolishing of commode, P-trap and cistern etc. stacking serviceable material and unserviceable material with 50 m disposal etc. work.	1 item	Each		
5.	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 50x50 cm.	90.00	Sqm		
6.	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	Cum		
7.	12 mm thick cement plaster in C.M. 1:6 (1 cement : 6 fine sand)	20.00	Sqm		
8.	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and paneling to be paid for separately) :Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	125.00	Kg		
9.	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item). With float glass panes of 8 mm thickness.	20.00	Sqm		
10.	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.	24.00	Sqm		
11.	12 mm cement plaster of mix : 1:4 (1 cement : 4 fine sand)	6.00	Sqm		

12.	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40mm thick with 20mm nominal size stone aggregate	34.00	Sqm		
13.	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, including cutting and making good the walls etc. Internal work – Exposed on wall. 20 mm dia. nominal bore	10.00	R.M.		
14.	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	900.00	Sqm		
15.	Felling trees of the girth (measured at a height of 1 m above ground level) including cutting of trunks and branches removing the roots and stacking of serviceable material and disposal of unserviceable material. Beyond 60 cm girth upto and including 120 cm girth	2 nos.	Each		
16.	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on old work	9.00	Sqm		
17.	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 white solid plastic seat and lid.	1 set.	Each		
18.	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 150 mm diameter	15.00	R.M.		
19.	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) up to haunches of S.W. pipes including bed concrete as per standard design : 150 mm diameter S.W. pipe	15.00	R.M.		
20.	Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 100x100 mm size P type	1 item	Each		
21.	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position : Sal wood	0.96	Cum		
22.	Providing and fixing 25 mm thick shutters for cupboards etc. including ISI marked black enamelled M.S. butt hinges with necessary screws : Second class teak wood	5.00	Sqm		
Total (Rs.)					

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Tenders Documents

for

Execution of

Seepage treatment (APP) of Engineering Store Open Yard, Security Check Post at gate no. 1, Corridor of Auditorium at Main Building and Aggregate Testing Laboratory of Slope Stability behind Bay no. 8 at Tech Block, Old Director's Bungalow, Guest House

In

CIMFR Dhanbad.

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ABSTRACT OF COST ORIGINAL ESTIMATE

Name of work : Seepage treatment (APP) of Engineering Store Open Yard, Security Check Post at gate no. 1, Corridor of Auditorium at Main Building and Aggregate Testing Laboratory of Slope Stability behind Bay no. 8 at Tech Block, Old Director's Bungalow, Guest House.

Sl.	Description of work	Qty	Per	Rate	Amount
1.	Providing and laying APP (Atactic Polypropylene Polymer) modified prefabricated five layer 3mm thick water proofing membrane, black finished reinforced with non-woven polyester matt consisting of a coat of bitumen primer for bitumen membrane @ 0.40 ltr/sqm. by the same membrane manufacture of density at 25°C, 0.87-0.89 kg/ltr and viscosity 70-160 cps. Over the primer coat the layer of membrane shall be laid using Butane Torch and sealing all joints etc., and preparing the surface complete. The vital physical and chemical parameters of the membrane shall be as under : Joint strength in longitudinal and transverse direction at 23°C as 650/450N/5cm. Tear strength in longitudinal and transverse direction as 300/250N. Softening point of membrane not less than 150°C. Cold flexibility shall be upto -2°C when tested in accordance with ASTM, D - 5147. The laying of membrane shall be got done through the authorised applicator of the manufacturer of membrane : 3 mm thick.	655.00	Sqm		
2.	Providing and fixing of PVC corrugated sheets 6 mm thick roofing up to any pitch and fixing with polymer coated J or I hooks, bolts and nuts 8 mm dia G.I. plain and bitumen washers or with shelf drilling fastener and EPDM washers etc. complete excluding the cost of purlins, rafters and trusses etc. complete work	5.00	Sqm		
3.	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40mm thick with 20mm nominal size stone aggregate.	180.00	Sqm		
4.	Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10mm and down gauge) including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : In 75x75mm deep chase	60.00	R.M.		
5.	Providing and fixing of 100 mm dia PVC rain water pipe with accessories fitting etc. complete work including jointing and with seal ring etc. complete work	30.00	R.M.		
6.	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)	140.00	Sqm		
7.	40 mm thick mosaic flooring rubbed and polished to granolithic finish, under layer 34 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) and top layer 6 mm thick with white black, chocolate, grey, yellow or green marble chips of size from 1 mm to 4 mm nominal size laid in cement mosaic dana powder mix 3:1 (3 cement : 1 mosaic dana powder) by weight in proportion of 4:7 including cement slurry etc. complete work in ordinary cement without pigment.	30.00	Sqm		
				Total (Rs.)	

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NOTICE INVITING TENDER

No. 23(352,353,354)/2008-GA

Dated: 26/11/2008

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.	Seepage treatment (APP) of Engineering Store Open Yard, security Check Post at gate no. 1, Corridor of Auditorium at Main Building and Aggregate Testing Laboratory of Slope Stability behind Bay no. 8 at Tech Block, Old Director's Bungalow, Guest House.	2,59,235=00	5,185=00	1 Month	500=00
2.	Renovation of Instrumentation room at Explosive Research Laboratory.	2,90,900=00	5,818=00	2 Months	500=00
3.	Repairing of boundary wall, filling sand and provide a culvert to prevent erosion of the main boundary of CIMFR near Rajwar village.	2,36,840=00	4,737=00	1 Month	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 28/11/2008 to 19/12/2008 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 22/12/2008 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.
- Ø LOWEST QUOTING FIRM HAS TO BE SUBMITTED PERFORMANCE GUARANTEE AS PER RULE BEFORE AWARDING THE JOB.
- Ø ESTIMATE BASED ON DSR-2007.

D'CI 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

-Sd-
Head, Civil

-Sd-
Co-ordinator, Civil

-Sd-
A.O.

-Sd-
D'CI MFR

INSTRUCTION TO BIDDER

1. Tenders are hereby invited for the work of **1) Repairing of boundary wall, filling sand and provide a culvert to prevent erosion of the main boundary of CIMFR near Rajwar village, 2) Renovation of Instrumentation room at Explosive Research Laboratory, 3) Seepage treatment (APP) of Engineering Store Open Yard, Security Check Post at gate no. 1, Corridor of Auditorium at Main Building and Aggregate Testing Laboratory of Slope Stability behind Bay no. 8 at Tech Block, Old Director's Bungalow, Guest House.** 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) 2,59,235=00 (Rupees two lakhs fifty nine thousand two hundred & thirty five only) 2) 2,90,900=00 (Rupees two lakhs ninety thousand nine hundred only) 3) 2,36,840=00 (Rupees two lakhs thirty six thousand eight hundred & forty 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) 2,59,235=00 (Rupees two lakhs fifty nine thousand two hundred & thirty five only) 2) 2,90,900=00 (Rupees two lakhs ninety thousand nine hundred only) 3) 2,36,840=00 (Rupees two lakhs thirty six thousand eight hundred & forty only).**
3. Time for carrying out the work will be **(01) one month for Sl. No. 1, (02) three months for Sl. No. 2, (01) one month for Sl. No. 3** 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.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 **22/12/2008** 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) 5,185.00 (Rupees five thousand one hundred eighty five only), 2) 5,818.00 (Rupees five thousand eight hundred eighteen only), 3) 4,737.00 (Rupees four thousand seven hundred thirty seven 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.----- (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.