

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

NOTICE INVITING TENDER
(Displaying in Notice Boards)

No. 23(336,337 & 338)/2008-GA/

Dated : 30 /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.	Maintenance of masonry & finishing work of qtr. nos. SA-II/8, SA-I/56, V/1, II/65, IV/17, SA-II/44, II/2, III/30D, II/70, Post Office, Stadium, II/49B, SA-II/6, III/21 & 22, SA-II/39 & HRD Pump House at CIMFR, Barwa Road Campus.	80,608=00	1,615=00	25 Days	150=00
2.	Renovation of Committee Room by providing & fixing vitrified floor tiles	1,60,500=00	3,210=00	15 Days	150=00
3.	Repairing work of CIMFR, Dhanbad at staff qtrs. no. V/15, IV/32, 28,25,27,29,46,22, II/32,42,22,30D,40, SA-I/46, SA-II/40,44, II/29.	1,95,115=00	3,900=00	25 Days	150=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. Service tax registration no.
4. 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 04/08/2008 to 11/08/2008 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.

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 13/08/2008 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-
Head (Civil)

-Sd-
Administrative Officer

INSTRUCTION TO BIDDER

1. Tenders are hereby invited for the work of **1) Maintenance of masonry & finishing work of qtr. nos. SA-II/8, SA-I/56, V/1, II/65, IV/17, SA-II/44, II/2, III/30D, II/70, Post Office, Stadium, II/49B, SA-II/6, III/21 & 22, SA-II/39 & HRD Pump House at CIMFR, Barwa Road Campus.**
2) Renovation of Committee Room by providing & fixing vitrified floor tiles &
3) Repairing work of CIMFR, Dhanbad at staff qtrs. no. V/15, IV/32, 28, 25, 27, 29, 46, 22, II/32, 42, 22, 30D, 40, SA-I/46, SA-II/40, 44, II/29. 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) 80,608/- 2) 1,60,500/- & 3) 1,95,115/- (Rupees Eighty thousand six hundred & eight only) (Rupees One lakh sixty thousand & five hundred only) & (Rupees One lakh ninety five thousand one hundred & fifteen 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) 80,608/- 2) 1,60,500/- & 3) 1,95,115/- (Rupees Eighty thousand six hundred & eight only) (Rupees One lakh sixty thousand & five hundred only) & (Rupees One lakh ninety five thousand one hundred & fifteen only)**
3. Time for carrying out the work will be **1) Twenty five days 2) Fifteen days & 3) Twenty five days** 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. **150/- 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 **13/08/2008** 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. **1) 1,615/- 2) 3,210/- & 3) 3,900/- (Rupees one thousand six hundred & fifteen only) (Rupees Three thousand two hundred & ten only) & (Rupees Three thousand nine 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.----- (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 Sl 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
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ABSTRACT OF COST ORIGINAL ESTIMATE

Name of work : Maintenance of masonry and finishing work of qtr. nos. SA-II/8, SA-I/56, V/1, II/65, IV/17, SA-II/44, II/2, III/30D, II/70, Post Office, Stadium, II/49B, SA-II/6, III/21 & 22, SA-II/39 & HRD Pump House at CIMFR, Barwa Road Campus.

Sl.	Description of work	Qty	Per	Rate	Amount
1.	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	0.79	Cum		
2.	Centering and shuttering including strutting, propping etc. and removal of form for : Shelves (Cast in situ)	12.20	Sqm		
3.	Reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete. Mild steel and Medium Tensile steel bars.	85.33	Kg.		
4.	Brick work with modular bricks of class designation 75 in foundation and plinth in Cement mortar 1:4 (1 cement : 4 coarse sand)	0.39	Cum		
5.	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. 40 mm thick with 20 mm nominal size stone aggregate.	64.36	Sqm		
6.	40 mm thick marble chips 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 6mm thick with white, black, chocolate, grey, yellow or green marble chips of sizes from 1 mm to 4 mm nominal size laid in cement marble powder mix 3:1 (3 cement : 1 marble powder) by weight in proportion of 4:7 (4 cement marble powder mix : 7 marble chips) by volume including cement slurry etc. complete : Light shade pigment with ordinary cement.	45.75	Sqm		
7.	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS: 13592 Type a including jointing with seal ring conforming to Is: 5382 leaving 10 mm gap for thermal expansion. (1) Single socketed pipes. 75 mm diameter	21.60	Mtr.		
8.	Providing and fixing M.S. holder bat clamps of approved design to C.I. or S.C.I. rain water pipes embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and cost of cutting holes and making good the walls etc. : 100 mm diameter	10 nos.	Each		

9.	12 mm cement plaster of mix : 1:4 (1 cement : 4 fine sand)	5.00	Sqm		
10.	White washing with lime to give an even shade : New work (three or more coats)	135.77	Sqm		
11.	Distemping with oil bound washable distemper of approved brand and manufacturer to give an even shade: New work (two or more coats) over and including priming coat with cement primer.	183.00	Sqm		
12.	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade: Two or more coats on new work	38.94	Sqm		
13.	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	10.00	Sqm		
14.	Repairs to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm 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 50 mts. lead : With cement mortar 1:4 (1 cement : 4 fine sand)	15.00	Sqm		
15.	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	135.77	Sqm		
16.	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.	183.00	Sqm		
17.	Fixing of W.C. Pan of size 580 mm (material will be supply from CIMFR Engg. Stores)	3 nos.	Each		
18.	Fixing of Footrest of size 250 x 130 x 30 mm (material will be supply from CIMFR Engg. Stores)	3 Pairs	Each Pair		
19.	Providing and fixing PVC low level flushing cistern with manually device (handle lever) conforming to IS: 7231, with all fittings and fixtures complete 10 ltrs. Capacity in white	3 nos.	Each		
20.	Providing and fixing of 100 mm dia sand cast iron grating for gully trap	3 nos.	Each		
21.	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1 No.	Each		
22.	Providing and fixing 600x120x5mm glass shelf with edges round of supported on anodized aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40mm long screws, rawl plugs etc., complete	1 no.	Each		
23.	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.				
a)	15 mm dia. nominal bore	6.00	Mtr.		
b)	20 mm dia. nominal bore	5.00	Mtr.		

	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work				
c)	25 mm dia. nominal bore	2.00	Mtr.		
d)	40 mm dia. nominal bore	3.00	Mtr.		
24.	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	2000.00	Per Ltr.		
25.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size)	1.00	Cum		
26.	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size over 75 mm bed dry brick ballast 40 mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth	16.44	Sqm		
				Total (Rs.)	

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ABSTRACT OF COST ORIGINAL ESTIMATE

Name of work : Renovation of Committee room by providing and fixing vitrified floor tiles

Sl.	Description of work	Qty	Per	Rate	Amount
1.	Dismantling tile work in floors laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles above 25 mm and upto 40 mm	97.91	Sqm		
2.	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	514	Sqm		
3.	Providing and laying polished vitrified floor tiles (thickness to be specified by the manufacturer) with water absorptions less than 0.08% and conforming to IS: 15622 of approved make in all colours and shades, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigment etc., complete. Size of Tile 60 x 60 cm.	103.05	Sqm		
4.	Removing dry or oil bound distemper by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	43.95	Sqm		
5.	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade : Old work (one or more coats)	107.59	Sqm		
				Total (Rs.)	

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ABSTRACT OF COST ORIGINAL ESTIMATE

Name of work : Repairing work of CI MFR, Dhanbad at staff qtrs. no. V/15, IV/32, 28, 25, 27, 29, 46, 22, II/32, 42, 22, 30D, 40, SA-I/46, SA-II/40, 44, II/29.

Sl.	Description of work	Qty	Per	Rate	Amount
1.	Excavation work in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms. Lift up to 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50m. All kind of soil	4.21	Cum		
2.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering – All work upto plinth level				
a.	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	0.165	Cum		
b.	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size)	3.45	Cum		
c.	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	0.202	Cum		
3.	Reinforcement cement concrete work in shelves excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate)	2.30	Sqm		
4.	Centering and shuttering including shuttering propping etc. and removal of form for shelve	35.63	Sqm		
5.	Reinforcement for RCC work including straightening, cutting, bending, plastering in position and binding all complete in cold twisted bar.	337.33	Kg.		
6.	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shape and size in cement mortar 1:6 (1 cement: 6 coarse sand)	2.576	Cum		
7.	Half brick masonry with FPS brick of class designation 75 in superstructure above plinth level upto floor V level in cement mortar 1:4 (1 cement : 4 coarse sand)	23.17	Sqm		
8.	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 40 mm thick with 2.0 mm nominal size stone aggregate	468.05	Sqm		
9.	Providing C.G.S. sheet roofing including vertical curved surface fixed with polymer coated J or L hook, bolts and nuts 8mm dia with filled bitumen and G.I. limpet washer filled with lead and including a coat of approve steel primer and two coats of approved paint on over lapping of steel complete (upto any pitch in horizontal / vertical or curved surface) excluding the cost of purlins, rafter and trusses and including cutting to size and shape whoever required 0.80 mm thick with zinc coating not less than 275 grms/sqm.	2.64	Sqm		

10.	12mm cement plaster of mix 1:4 (1 cement : 4 coarse sand)	44.04	Sqm		
11.	12 mm cement plaster finished with a floating coat of neat cement of mix 1:4 (1 cement : 4 fine sand)	27.59	Sqm		
12.	Demolishing cement concrete including disposal of material within 50 mts. Lead in 1:3:6 or richer mix.	11.49	Cum		
13.	Dismantling old plaster or skirting raking out joints and cleaning surface for plaster including disposal of rubbish to the dumping ground within 50 mts lead.	19.82	Sqm		
14.	Dismantling and stacking within 50 mts lead, fencing post or struts including all earth work and dismantling of concrete in base of RCC post.	18 nos.	Each		
15.	Dismantling barbed wire or flexible wire rope in fencing including making rolls and stacking within 50mts. Lead.	27.65	Kg.		
16.	Supplying at site RCC standard posts an struts of mix 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 12.5 mm nominal size) with wood plugs or 6 mm bar nibs wherever required as per direction of Engg-in-charge including fixing (cost of earth work in excavation, concrete work in foundation to be paid separately.	0.813	Cum		
17.	Fencing with RCC posts placed at required distance, embedded in cement concrete blocks, every 15 th post, last but one and post and corner post shall be strutted on both sides and end post o side only provided with a horizontal and two diagonal of barbed wire 9.38 kg per 100 mts between two post fitted and fixed with G.I. staples or wooden plugs or G.I. binding wire tied to 6mm bar nib fixed while costing the post (Cost of RCC post, struts, earth work and concrete to be paid separately) payment to be made per metre cost of total length of barbed wire used with G.I. barbed wire.	412.66	Mtr.		
18.	Providing and fixing 100 mm dia sand cost of iron grating for gully trap.	3 nos.	Each		
19.	Providing and laying one brick flat soling including fitting the joints and bed sand	136.42	Sqm		
20.	Fixing M.S. grill gate to brick pillar including cutting socket, grouting hold fast and finishing with cement plaster 1:4 Double leaf.	1 No.	Each		
21.	Providing cement concrete door seals including chipping the floor, providing and laying cement concrete, finished with a floating coat of neat cement.	4 nos.	Each		
22.	Uprooting "Shemal" tree root and removing the trunk of tree from the campus of qtr. no. IV/25	1 item	Each		
				Total (Rs.)	