CSIR-NATIONAL GEOPHYSICAL RESEARCH INSTITUTE
(Council of Scientific & Industrial Research)
Uppal Road, Hyderabad - 500 007

NGRI No. 03/07/2017-Wks Dated:30-05-2017

Name of the work: **"Part A: Renovation of Room No. 026,028,044 and 042 in Extension Building and Room No.058,059 and 257 in Geo-Chemistry Building at CSIR-NGRI, Hyderabad. Part B: Providing and fixing of Aluminum partition in ED-XRF Laboratory (Room No.57) in Geo-Chemistry Building at CSIR-NGRI, Hyderabad."**

Note: The documents to be put in envelope-I

CHECK LIST

Sl.No.	Description	No. of Pages enclosed	Yes/No
01.	Valid Registration		
02.	DD of Tender cost		
03.	DD of EMD		
04.	PAN Card		
05.	Self-attested copies of experience certificates		

Stamps & Signature of Tenderer

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Tender Schedules for the work of **"Part A: Renovation of Room No. 026,028,044 and 042 in Extension Building and Room No.058,059 and 257 in Geo-Chemistry Building at CSIR-NGRI, Hyderabad. Part B: Providing and fixing of Aluminum partition in ED-XRF Laboratory (Room No.57) in Geo-Chemistry Building at CSIR-NGRI, Hyderabad."** COST OF TENDER PAPERS RECEIVED Rs. 500/- (Rupees Five Hundred only).

Vide D.D. No. ……... Dt: ……. Bank…….

TENDER TO BE SUBMITTED TO THE DIRECTOR, NGRI, Hyderabad

Tender Issued to Shri / M/S. ……
……
……

Signature of the Issuing Authority

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11.	Special Conditions & General Conditions of Contract CPWD Specifications Vol-1&2 etc. and Drawing	Can be seen in the office of SE (Civil) CSIR-NGRI, during office hours.

EARNEST MONEY DEPOSIT INFORMATION

Earnest money of **Rs. 16,500/-** (Rupees Sixteen Thousand Five Hundred only) deposited with the Director, NGRI, Hyderabad, Vide Demand Draft No……. Dt…… drawn in favour of The Director, NGRI, Hyderabad, on ……. (name of the Bank).

Date:
Cell No: ……
e-mail ID: ……
(If any)

Stamp & Signature of Tenderer

CSIR-NATIONAL GEOPHYSICAL RESEARCH INSTITUTE
(Council of Scientific & Industrial Research)
Uppal Road, Hyderabad – 500 007

NGRI No.03/07/2017 –Wks Dated: 30-05-2017

NOTICE INVITING TENDERS

Sealed tenders are hereby invited for the work of **"Part A: Renovation of Room No. 026,028,044 and 042 in Extension Building and Room No.058,059 and 257 in Geo-Chemistry Building at CSIR-NGRI, Hyderabad. Part B: Providing and fixing of Aluminum partition in ED-XRF Laboratory (Room No.57) in Geo-Chemistry Building at CSIR-NGRI, Hyderabad."** from the contractors of appropriate class of CPWD, Railways, MES, State PWD and/or also from those who have carried out similar types of works for CSIR/ Semi-Government organizations/ Govt. Organisations/ Public Sector Under Takings etc amounting to 80% of one work, 60% of two works or 40% of three works i.e. minimum amount of for a work is Rs 6.592/4.944/3.296 i.e. in lakh respectively during the last 5 years. Similar type of works means, Civil construction buildings/Renovation works.

1. Tender document may be obtained from Cash Section Room No. 20, Extension building, CSIR-NGRI, Uppal Road, Hyderabad from 10.00 A.M. to 12.30 P.M. during working days only on payment of Rs. 500/- for each by means of D.D.(Non-refundable) drawn in favour of "Director, NGRI, Hyderabad", with attested copies certificates of valid registration, experience. Tender documents are also available on CSIR-NGRI website i.e www.ngri.org.in.

2. The tender documents are to be submitted in three sealed envelopes system as detailed below:

   (a). In case of purchase of tender documents from Cash Section, CSIR-NGRI
   Envelope I: 1. Checklist, 2. DD for EMD (DDs should be issued by the scheduled Banks in the name of the Director, CSIR-NGRI), 3. Self-attested copies of certificates similar type of works done with valid registration, if any, copy of PAN card and Experience.
   Envelope II: Tender Schedules / Price Bid
   Envelope III: Envelope I and II
   (b). In case of down loaded from CSIR-NGRI web site i.e www.ngri.org.in :
   Envelope I : 1. Checklist, 2. Demand Draft for Cost of tender Document, 3. DD for EMD (DDs should be issued by the scheduled Banks in the name of the Director, CSIR-NGRI), 4. Self-attested copies of certificates similar type of works done with valid registration, if any, copy of PAN card, and Experience.
   Envelope II : Tender Schedules /Price Bids
   Envelope III : Envelope I and II

   Each Envelope is to be superscribed clearly with the NIT NO., dated, name of work, the details of documents in it and date & time of opening. The date of DD should be after the date of NIT.

3. Tender (s) received without EMD will be treated as canceled and will not be opened.
4. Each page of the tender document is to be signed by the tenderer with seal.
5. If any documents found to be fake/incorrect at any stage, the tender/work will be cancelled. In that case the same work will be executed through another firm at risk & cost of first awardee/firm/contractor. The firm/contractor will be black listed and the same will be intimated to other public sector organizations also.
6. **Estimated cost is Rs. 8.24 Lakhs (Rupees Eight Lakh Twenty Four Thousand only).**
7. Time for carrying out the work for rate contract for 3 months and the date of commencement shall be reckoned from the 10th day of issue of the award letter.

Stamp & Signature of Tenderer

8. Complete contract documents to be compiled with by the Tenderer whose tender may be accepted, can be seen at the office of the Director, N.G.R.I., Hyderabad
9. Tenders should be submitted in double sealed covers super scribed with the name of the work, date and time of opening written both on the inner and outer envelopes. Tenders will be received in the office of the Director, N.G.R.I., Hyderabad. The completed Tenders should be dropped in the Tender Box before the closing date and time indicated. In case these are sent by post these should be sent by Regd. Post / Speed post addressed to the **Director, N.G.R.I., Hyderabad–500007**. Tenderers are to ensure that they post the tender well in advance so as to reach us before the closing time and date indicated.

   A. Last date to receive request & to issue tender document: **From 1/6/17 to 12/6/17**
   B. Last date of Submission of Tender and Time: **14/6/17 Up to 2.30 P.M.**
   C. Date and Time of opening of Tender: **14/6/17 @ 3.00 P.M.**

10. Earnest Money amounting to **Rs. 16,500/-** (Rupees Sixteen Thousand Five Hundred Only) as demand draft of a scheduled Bank and drawn in favour of The **Director, N.G.R.I.,** Hyderabad along with copies of Registration certificate, experience in similar type of works, Income tax clearance certificate etc. are to be submitted while requesting for the tender schedule.
11. 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 tender and the tenderer shall be bound to perform the same at the rates quoted.
12. Canvassing in connection with the tenders is prohibited and the tenders submitted by the contractor who resort to canvassing are liable for rejection.
13. The tenderer shall not be permitted to tender for works in the concerned unit of CSIR in which relative is posted in the grade between Controller of Administration and Junior Engineer, (both inclusive). He shall also intimate the name of persons who are working with him in any capacity 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, 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, Son's daughter's 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.

14. 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.

15. The Tenderer shall quote rates both in figures and words. He shall also workout the amount for each item of 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 the 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.

Stamp & Signature of Tenderer

16. 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.

17. 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 material, installations of tools and plants (T & P), etc., conditions affecting accommodation and movement of labour, etc., required for the satisfactory execution of the contract. No claim whatsoever on such account shall be entertained by the employer in any circumstances.

18. Earnest money will be forfeited, if the contractor fails to commence the work as per letter of award work.

19. 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 along with the tender.

20. Some of the provisions of general conditions of contract are given below. Interpretations, however, shall be as given in the general conditions of the 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. 2.747 lakhs (Rupees Two Lakh Seventy Four Thousand Seven Hundred only) Intermediate certificate for a lesser amount can not be admitted for payment at the discretion of the Engineer.

21**. SECURITY DEPOSIT**: A sum @ 10% of the gross amount of the bill shall be deducted from each running bill of the contractor till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the tender value of the work. In addition, the contractor shall be required to deposit an amount equal to 5% of the tenderd value of the contract as Performance Security within the period prescribed for commencement of work in the letter of award issued to contractor/firm.

22. **COMPENSATION:** Contractor shall pay as compensation an amount equal to one per cent or such smaller amount as the Employer (Whose decision in writing shall be final) may decide on the cost of the whole work as shown in the agreement, for every week that the work remains un commenced or unfinished or due quantity of work remains incomplete after the proper dates. Compensation to be paid shall not exceed Ten per cent of the estimated cost of the work as shown in agreement.

23. **Tax deduction at source:**

i. Income tax will be deducted 2% for firms & 1% for individual.
ii.VAT 5%
ii. Labour Cess 1%
iii. Seigniorage charges will be recovered from the contractor's bill as per the rate prescribed time to time by Govt.of T.S. applicable.

24. The required building material, if any, is to be procured by the contractor <u>including steel and cement (ACC/Raasi/Orient /L&T) and the quality of material be tested by the Engineer-in-charge.</u> The testing charges will be borne by the contractor.

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COMPLIANCE TO LABOUR LAWS & APPRENTICE ACT

The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, Contract Labour (Regulation and Abolition) Act, 1970, and rules and orders framed there under and other labour laws affecting contract labour and Apprentice Act, 1961 and the rules and orders framed there under that may be in force or brought into force from time to time. Contractor shall obtain a valid license under Contract Labour (R&A) Act 1970 and Contract Labour (R&A) Central Rules 1971 before commencing work and which should be valid till the completion.

I. CONTRACTOR'S SITE SUPERINTENDENCE

Staff to be employed by contractor on works:
The contractor shall employ the following technical staff during execution of works:

(a) For building and road works

(i) One graduate Engineer, when the tendered cost of work exceeds Rs.10 lakhs
(ii) One qualified Diploma holder (overseer) with experience not less than 3 years when the tendered cost of work exceeds Rs.5 lakhs but less that Rs.10 lakhs
(iii) One qualified Diploma holder when the tendered cost of work is more than Rs.2 lakhs but less than Rs.5 lakhs

(b) For sanitary and water supply works:

One qualified diploma holder with experience of not less than 5 years, out of which one year should be in sanitary and water supply works when the tendered cost of work is more than Rs.50,000/-

(c) For electrical works

(i) One qualified Graduate Engineer possessing Degree in Electrical Engineering from recognized university with an experience of not less than 3 years or a Diploma holder in Electrical Engineering with an experience of not less than 7 years when the tendered cost of the work is not less than Rs.1.5 lakhs
(ii) One Graduate Electrical Engineer with two years experience or a Diploma holder I Electrical Engineering with experience of not less than 3 years, when the tendered cost of the work is more than Rs.75,000/- but less than Rs.1.5 lakhs.
(iii) One Diploma holder in Electrical Engineering with experience of not less than 3 years when tendered cost of work is more than Rs.37,000/- but less than Rs.1.5 lakhs
(iv) One licensed Supervisor with experience of not less than 3 years when the tendered cost of work is more than Rs.7,500/- and less than Rs.37,000/-

1. In case the contractor fails to employ the technical staff as aforesaid, he shall be liable to pay reasonable amount not exceeding the amount shown below for each month of default. These recoveries are subject to modifications from time to time by CSIR based on CPWD:-

(i) In case when a Graduate Engineer is to be employed
……. Rs.3,000/-

(ii) In case when a qualified Diploma holder is required to be employed
……. Rs.1,500/-

(iii) In case when a technical Supervisor is required to be employed
…….. Rs.750/-

ADDITIONAL CONDITIONS OF CEMENT, STEEL & BITUMEN

CONDITIONS FOR CEMENT:

1. The contractor shall procure 33 grade (Conforming to IS: 269) or 43 grade (Conforming to IS: 8112) ordinary Portland cement, as required in the work, from reputed manufactures of cement having a production-capacity of one million tones per annum or more such has ACC, L & T, J.P, Rewa, Vikram, Shri Cement, Birla Jute and Cement Corporation of India etc, as approved by Ministry of Industry, Government of India, and holding license to use ISI certification mark for their product whose name shall be got approved from Engineer-in-Charge. Supply of cement shall be taken in 50 Kg. bags bearing manufacture's name and ISI marking, samples of cement arranged by the contractor shall be taken by the Engineer-in-Charge and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-Charge to do so.

2. The cement shall be brought at site in bulk supply of approximately 50 tones or as decided by the Engineer-in-Charge.

3. The cement godown of the capacity to store a minimum of 2000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made. Double lock provisions shall be made to the door of the cement godown. The keys of one lock shall remain with the Engineer-in-Charge or his authorized representative and the key of the other lock remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement godown. The contractor shall facilitate the inspection of the cement godown by the Engineer-in-Charge at any time.

4. The contractor shall supply free of charge the cement required for testing. The cost of tests shall be borne by the contractor.

5. The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in Clause 6 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in Clause 6 of the contract and shall be governed by conditions laid therein.

6. Cement brought to site and cement remaining unused after completion of work shall not be removed from without written permission of the Engineer-in-Charge.

CONDITIONS FOR STEEL:

1. The contractor shall procure steel reinforcement bars conforming relevant BIS codes from main producers as approved by the ministry of steel. The contractor shall have to obtain and furnish test certificate to the Engineer-in-Charge in respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-in-Charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not confirm to BIS codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week's time from written orders from the Engineer-in-Charge to do so.

2. The steel reinforcement shall be brought to the site in bulk supply of 10 tonnes or more as decided by the Engineer-in-Charge.

Stamp & Signature of Tenderer

3. The steel reinforcement shall be stored by the contractor at site of work in such a way as to prevent Distortion and corrosion and nothing extra shall be paid on this account. Bars of different size and lengths shall be stored separately to facilitate easy counting and checking.

4. For checking nominal mass, tensile strength, bend test, re-bend test etc.., specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below:

Size of bar	For consignment below 100 tonnes	For consignment over 100 tonnes
Under 10mm dia.	One sample for each 25 tonnes or part thereof.	One sample for each 40 tonnes or part thereof.
10mm to 16mm dia	One sample for each 35 tonnes or part thereof.	One sample for each 45 tonnes or part thereof.
Over 16mm dia	One sample for each 45 tonnes or part thereof.	One sample for each 50 tonnes or part thereof.

5. The contractor shall supply free of charge the steel required for testing. The cost of tests shall be borne by the contractor.

6. The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 6 of the contract. The theoretical consumption of steel shall be worked out as per procedure in clause 6 of the contract and shall be governed by conditions laid therein.

7. Steel brought to side and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-charge.

CONDITIONS FOR BITUMEN

1. The contractor shall bring the required grade of Bitumen as specified in the item of works in sealed Drums of ISI mark & standard company / Refinery of ISI grade.

2. The contractor shall tests the bitumen free of charge in the standard approved. Laboratory as per ISI & CPWD practice for its quality.

3. The quality of Bitumen to be collected as per relevant codes of work as specified in ISI & CPWD practice.

4. In case the road work is done by Hot Mix Plant with mineral aggregate or at site the necessary relevant test of mix for quality and proportion of Bitumen to be carried out by the contractor on his own expenditures as per ISI codes & CPWD practice of the concerned works.

Additional Conditions-02 (Misc. Civil works & Renovation)

1. After taking the necessary drawings/sketches only contractor has to start the work.

2. All the materials to be got tested from the Labs of at Osmania University,/JNTU before incorporating in works as directed by Sr. Superintending Engineer . Designing of CC Mix of required grades to be designed from the labs of Osmania University,/JNTU as per letter issued by Sr. Superintending Engineer and Report to be submitted to the him for approval before incorporating in work.

3. Cement Stores to be constructed as per CPWD specifications for keeping cement. This Store cannot be permitted to use as joint/combined works.

4. All the bushes, trees, palm trees, bamboo grooves etc to be removed and to be disposed out as per site requirement.

5. After the work completed, the surplus earth to be removed and disposed off even if labour force is involved. The disposed earth in the campus has to be leveled, dressed etc. to complete as per instructions of Engineer-In-Charge. The surplus unwanted earth/debris etc to be disposed out of the campus by the contractor.

6. Contractor should incorporate material only after taking written approval from Sr. Superintending Engineer. Contractor has to bring the material in advance, considering time required for testing of material, collecting of test reports etc

7. Testing of the all the materials to be got done by the Contractor at his own cost by taking the letter from the Office of NGRI before incorporating them.

8. Contractor has to arrange error free leveling instruments, leveling staff, surveyor, etc. He has to submit the levels in required intervals of the ground / area where the work is earmarked to the Sr. Superintending Engineer.

9. Contractor has to take levels of the work to be completed in writing from the Sr. Superintending Engineer, before commencement of the work.

10. Expansion joint, etc. to be made/done as per instruction of the Sr. Superintending Engineer.

11. Contractor has to safe-guard the waterlines, power lines, supply lines, sewer lines etc. including those in under ground. In case of damage the Contractor has rectify/restore with his own cost immediately without any further delay. No drawings are available, to know where the concealed services lines are passing.

12. Time of Completion of work is essence of the contract. If the Contractor fails to complete the work within stipulated time, penalty will be imposed as per relevant clauses of Agreement.

13. The Contractor has to get the lives of concerned workers sufficiently insured before commencement of the work, failing which he shall be personally responsible. NGRI/CSIR will not be responsible for any such lapse.

14. The centering and shuttering with materials of steel jack system, steel plates etc only.

15. The contractor should provide necessary safety equipment to his labours, while executing the work. The contractor is fully responsible for the safety of the labours engaged by him solely and CSIR-NGRI, Hyderabad is not liable to any form of compensation for any untoward incident/accident on any cost.

I read the CSIR Works Agreement Conditions also and work will be completed according to rules, conditions, additional conditions, special conditions, CPWD specifications, etc. and I will not claim for any additional amount over and above quoted rates to do the work including above conditions.

Signature of the Contractor

CSIR-NATIONAL GEOPHYSICAL RESEARCH INSTITUTE
HYDERABAD 500 007

ABSTRACT OF COST

S.NO.	NAME OF THE WORK	TOTAL COST

1. Total brought forward from the Last page of tender schedule of Quantities:

PART-A Rs. _____

PART-B Rs. _____

GRAND TOTAL: Rs. _____

(**Rupees** _____

Only)

All the materials shall be quality specified and approved by our engineer. The Contractor should inspect the site, examine specifications, drawings, schedules of quantities and tender their rates. The rates given in the schedule of quantities will be deemed to include all the necessary materials, T & P labour required for satisfactory completion of work as shown in the drawings, specifications, schedule of work.

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CSIR- NATIONAL GEOPHYSICAL RESEARCH INSTITUTE

Uppal Road, Hyderabad - 500 007

Name of Work: Renovation of Room No 026,028,044 and 042 in Extension Building and Room 58,59 and 257 in Geo-Chemistry Building at NGRI, Hyderabad

S.No.	Description of Work	Qty.	Unit	Rate (In figure and Words)	Amount
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including and dumping in a place in proper maner, leveling along the compound wall as instruction given by Engineer-in-charge.	16.00	Sqm		
2	Plaster of thickness 12mm to 25mm in two coats under including cutting the patch in proper shape raking out joints and preparing and plastering the surface of the walls complete including dumping in a place in proper maner as instruction given by Engineer-in-charge.				
	With cement mortar 1:4 (1 cement : 4 fine sand)	16.00	Sqm		
3	Removing & refixing the existing door shutter including cutting/repairing to required size as directed by Engineer-In-Charge.				
	Of area 3 sq. metres and below	8.00	Each		
4	Removing dry or oil bound distemper , water proofing cemnent paint and the like by scrapping, sand papering the surface smooth including necessary repairs to scratches etc complete.	383.00	sqm		
5	Painting with Plastic Emlsion paint of approved brand and manufacture to give an even shade				
	New work (two or more coats) over and including one priming coat with base coat	392.00	sqm		

Total amount

Contractor's Signature with Seal

S.No.	Description of Work	Qty.	Unit	Rate (In figure and Words)	Amount
6	Providing and laying vitrified floor tiles (make of ORIENT premium stain free or equivalent) in different sizes (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, built in design tiles etc.including providing different coloured tiles of required size in designs as per instructions of Engineer in-charge including fixing with cement based high polymer modified quick set tile adhesive (water based) conforming to IS 15477 in average 6 mm thickness including grouting the joints with white cement and matching pigments etc complete. (No extra cost for border, dark colour like black, brown etc.)				
	Size of Tile 1200x800 mm	182.00	Sqm		
7	Providing and fixing 100mm width cotton fabric vertical Blind of make touch or equivalent vertical fabric with Aluminium runner, x rod, with acraylic chain, bottom chain, bottom, weights, rope and gear with end caps and brackets.	16.00	sqm		
8	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular/appropriate Z 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 fastners including necesssary 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/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing and panelling to be paid for separately.)				
8.1	For fixed portion				
	Powder coated aluminimum (minimum thickness of powder coating 50 micron)	84.00	kg		

S.No.	Description of Work	Qty.	Unit	Rate (In figure and Words)	Amount
8.2	For shutters of doors, windows and ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of PVC/neoprene gasket required, roling wheel, hings, push handle, sliding arregment for door, door sil etc.				
	Powder coated aluminimum (minimum thickness of powder coating 50 micron)	19.00	kg		
9	Providing and Fixing factory made uPVC white colour casement/sliding window / door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2 ± 0.2 mm thick galvanised steel profile to be inserted in required profile, frame will be fixed to the wall with 8 mm x 100 mm long fasteners, all complete as per direction of Engineerin- charge. (Glazing, hardware hinges and fitting etc. to be paid separately.).(make of Magnus or equivalent)				
9.1	Sliding Window (Two Track, 2/4 Shutters)				
9.2	Two Track Sliding Frame (67 mm x 52 mm)	4.80	Rm		
9.3	Sliding window Sash (60 mm x 44 mm)	4.50	Rm		
9.4	Sliding Interlock for Window (one vertical length in each shutter)(45.5 mm x 28 mm)	2.20	Rm		
9.5	Sliding Glazing bead (35 mm x 18 mm)	6.00	Rm		
10	Fixed Window				
10.1	Fixed Frame (67 mm x 62 mm)	7.70	Rm		
10.2	Fixed Glazing bead (35 mm x 18 mm)	7.20	Rm		

Total amount

Contractor's Signature with Seal

S.No.	Description of Work	Qty.	Unit	Rate (In figure and Words)	Amount
11	Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete.	2.00	Each		
12	Providing and fixing steel roller for uPVC sliding window with necessary screws etc. complete.	4.00	Each		
13	Providing and fixing Float glass panes withnecessary accessories				
	5 mm thick glass pane	10.00	sqm		
14	12 mm thick one side prelaminated particel board (with decorative lamination on both side lamination) Grade-1, medium density flat pressed, three layer particle board (FPT-1) or graded wood particle board FPT-1,conforming to IS:3087 bonded with BWP type synthetic resin adhesive as per IS:848 and prelamination conforming to IS:12823 Grade 1 Type-II marked (Make of Action Tesa /Nova or equivalent)	15.00	sqm		
15	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :(Make of Wonder Man or equivalent)				
	Two or more coats on new work	8.00	Sqm		
16	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface :				
	Water thinnable cement primer	382.00	sqm		
17	Providing and applying wall care putty make of Brila or JK of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	382.00	sqm		
18	Providing and fixing aluminium tower bolts ISI marked anodised(anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete				

S.No.	Description of Work	Qty.	Unit	Rate (In figure and Words)	Amount
	300 x 10 mm	2.00	Each		
19	Providing and fixing bright finished 100mm mortice lock with 6 levers without pair of handles for aluminimum door with necessary scrrews etc complete(Best make of approved quality as Godrej) as per direction of Engineer -in-charge.	2.00	each		
20	Providing and fixing S.S. handle 300 mm long with SS screwes etc. complete as per directions of Engineer-in-charge.				
	S.S. handle	4.00	each		
21	Providing and fixing IS: 3564 marked aluminium extruded section body tubular type hydraulic door closer with double speed adjustment with necessary accessories and screws etc. complete (make of godrej or similar heavy duty)	1.00	Each		
22	P/F of One Way Mirror Film Reflective 15% Window Tint Film Dark NIVE (Black)	3.50	sqm		
23	Providing and Fixing 15 mm thick densified tegular edged eco friendly light weight calcium silicate false ceiling tiles (Make of Aerolite or equivalent) of approved texture spintone/cosmos / Hexa/Quadra or equivalent of size 595 x 595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanised steel sections (galvanising @ 120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and of size 24x38 mm made from 0.33 mm thick (minimum) sheet, spaced 1200 mm centre to centre, and cross "T" of size 24x28 mm made out of 0.33 mm (Minimum) sheet, 1200 mm long spaced between main'T' at 600 mm centre to centre to form a grid of 1200x600 mm and secondary cross 'T' of length 600 mm and size 24 x28 mm made of 0.33 mm thick (Minimum) sheet to be inter				

S.No.	Description of Work	Qty.	Unit	Rate (In figure and Words)	Amount
	locked at middle of the 1200x 600 mm panel to from grid of size 600x600 mm, resting on periphery walls /partitions on a Perimeter wall angle and laying 15 mm thick densified edges calicum silicate ceiling tiles of approved texture (Spintone/Cosmos/hexa/Quadra) in the grid, including, cutting/ making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required. Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of required size fixed to ceiling with necessary fittings, G.I. adjustable rods with nut bolts 6 mm and spaced at 1200 mm centre to centre along main 'T' , bottom exposed with 24 mm of all T-sections shall be pre-painted with polyster baked paint, for all heights, as per specifications, drawings and as directed by engineer-in-charge.	23.00	sqm		
24	Distempering with oil bound acrylic washable distemper of approved brand and manufacture to give an even shade (Make of Asian-Tractor or equivalent)				
	New work (two or more coats) over and including priming coat with cement primer	83.00	sqm		

Total

Total amount

Contractor's Signature with Seal

CSIR- NATIONAL GEOPHYSICAL RESEARCH INSTITUTE

(Council of Scientific & Industrial Research)

Uppal Road, Hyderabad - 500 007

Part-B

Name of Work : Providing and fixing of Aluminum pattition in XRF Lab Room No 057, Ground floor Geochemistry Building at NGRI, Hyderabad.

Sl.No.	Description of item	Qty	Unit	Rate (Figures & Words)	Amount
1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular/appropriate Z 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 fastners including necesssary 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/panelling, C.P. brass/stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing and panelling to be paid for separately.)				
1.1	For fixed portion				
	Polyester Powder coated aluminimum (minimum thickness of powder coating 50 micron)	35.00	Kg		
1.2	For shutters of doors, windows and ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of PVC/neoprene gasket required, roling wheel, hings, push handle, sliding arregment for door, door sil etc.				
	Polyester Powder coated aluminium (Minimum thickness of polyster powder coating 50 micron)	10.00	Kg		
2	Providing and fixing Float glass panes withnecessary accessories . 5 mm thick glass pane	3.50	sqm		
				Total	
	(Total in words:				

Signature of Contractor with Stamp

Sl.No.	Description of item	Qty	Unit	Rate (Figures & Words)	Amount
				BF	
3	12 mm thick pre-laminated particle board (decorative lamination on both sides) grade - 1, medium density flat pressed, three layer particle board FPT - I or graded wood particle board FPTI, conforming to IS : 3087, bonded with BWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12823, Grade 1, Type - II marked (MAke of Action Tesa / Nova)	6.00	sqm		
4	Providing and fixing aluminium tower bolts ISI marked anodised(anodic coating not less than grade AC 10 as per IS:1868) transparent or dyed to required colour or shade with necessary screws etc. complete				
	300 x 10 mm	1.00	Each		
5	Providing and fixing bright finished 100mm mortice lock with 6 levers without pair of handles for aluminimum door with necessary scrrews etc complete(Best make of approved quality as Godrej) as per direction of Engineer -in-charge.	2.00	each		
6	P/F of One Way Mirror Film Reflective 15% Window Tint Film Dark NIVE (Black)	3.50	sqm		
			G. Total		

(Total in words:

Signature of Contractor with Stamp