



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



**ENVELOPE-I**

NGRI No. 03/14/2017-Wks

Dated:17-11-2017

**CHECK LIST-I**

**Note:** This sheet with as per this list of documents should be put in the **envelope-I**.

Name of the work: “**Part A: Replacement of damaged roof of the store section and P/F false ceiling in the HLS Section at NGRI, Hyderabad. Part B: Providing and fixing of S.S. Railing in the ramps of different buildings at NGRI, Hyderabad. Part C: Providing and Fixing of Aluminum Window in A.C. Section at NGRI, Hyderabad.”**”

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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**ENVELOPE-II**

NGRI No. 03/14/2017-Wks.

Dated:17-11-2017

Tender Schedules for the work of “**Part A: Replacement of damaged roof of the store section and P/F false ceiling in the HLS Section at NGRI, Hyderabad. Part B: Providing and fixing of S.S. Railing in the ramps of different buildings at NGRI, Hyderabad. Part C: Providing and Fixing of Aluminum Window in A.C. Section at 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

CONTENTS		
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05.	Additional Conditions of Cement, Steel & Bitumen	2
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07.	Terms and Conditions(Electrical work)	1
08.	Abstract of Cost	1
09.	Schedule of Quantities.	6
10.	Special Conditions & General Conditions of Contract CPWD Specifications Vol-1&2 etc. and Drawing	Can be seen in the office of Sr.SE (Civil) CSIR-NGRI, during office hours.

**EARNEST MONEY DEPOSIT INFORMATION**

Earnest money of Rs. 12,840/- (Rupees Twelve Thousand Eight Hundred Forty 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



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NGRI No.03/14/2017 –Wks.

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NOTICE INVITING TENDERS

Sealed tenders are hereby invited for the work of “**Part A: Replacement of damaged roof of the store section and P/F false ceiling in the HLS Section at NGRI, Hyderabad. Part B: Providing and fixing of S.S. Railing in the ramps of different buildings at NGRI, Hyderabad. Part C: Providing and Fixing of Aluminum Window in A.C. Section at 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/Institutes or for Govt./Semi Govt./Autonomous Bodies/PSU/Govt. Companies/Govt. Department to the tune of 80% of one work or 60% of two works or 40% of three works i.e. for an amount of Rs. 8.608/6.456/4.304 (all in lakh) respectively during the last 5 years. Similar type of works means, construction sheds, construction of 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](http://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-I, 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](http://www.ngri.org.in) :
 

**Envelope I :** 1. Checklist-I, 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 and not fulfilling the requirement of Check List-I will be treated as cancelled 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. 6.42 Lakhs (Rupees Six Lakh Forty Two Thousand only).**
7. Time for carrying out the work for rate contract for 75 days and the date of commencement shall be reckoned from the day of issue of the award letter.
8. Complete contract documents to be compiled with by the Tenderer whose tender may be accepted, can be seen at the office of the works section, NGRI, Habsiguda, Hyderabad.

Stamp & Signature of Tenderer

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 23/11/17 to 6/12/17**

B. Last date of Submission of Tender and Time: **8/12/17 Up to 2.30 P.M.**

C. Date and Time of opening of Tender: **8/12/17 @ 3.00 P.M.**

10. Earnest Money amounting to **Rs. 12,840/-** (Rupees Twelve Thousand Eight Hundred Forty 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. 2.568 lakhs (Rupees Two Lakh Fifty-Six Thousand Eight 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 tender 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. TDS 1%.
  - ii. GST of 12% to be deducted from the bills of contractor.
  - iii. If any other statutory taxes be reimbursed to contractor on submission of claim with original proof of details.
24. The required building material, if any, is to be procured by the contractor including steel and cement (ACC/Raasi/Orient/L&T/UltraTech/Maha) and the quality of material be tested by the Engineer-in-charge. 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 than 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 in 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/-

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**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 as 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.

Stamp &amp; Signature of Tenderer



## CSIR-NATIONAL GEOPHYSICAL RESEARCH INSTITUTE

HYDERABAD-500 007

ADDITIONAL SPECIAL CONDITIONS

Plastic Emulsion and oil bound washable distemper & synthetic Enamel paint:

Material should be used of 1st quality manufactured by reputed firms like M/s Jenson & Nicholson, M/s ICI, M/s Asian Paints. Once the material is approved it shall be brought to site in original sealed tins/drum directly from the supplier and shall be held at the joint custody of all the contractor and Engineer-in-charge from the Department at site. Supply in part or broken containers will not be accepted for the work. Empty tins/drums should be removed from site only when passed/ordered by the Engineer-in-charge.

Paints shall generally conform in the chemical composition and other characteristics to the relevant British standards or I.S. specifications.

II External Paint: Manufacture of M/s Asian Paints

III a) Storing of Paint: All the materials shall be kept properly when not actually in use. Lids of container shall kept closed and the surface of the paint in open or partially open containers shall be covered with a thick layer of turpentine to prevent the formation of skin. Materials which in the opinion of the Engineer-in-charge have become stale or fat shall not be used on the work and shall be removed from the site of the work forthwith.

b) Preparation of the surface: Surface shall be thoroughly cleaned of all dust, stains etc. All cracks, crevices and unevenness shall be made good by applying enamel putty, allowing it to dry and then papering the same to give a smooth and even surface.

c) Application: After the preparation of surface and having got the area approved by the Engineer-in-charge paint shall be applied.

IV) a) Necessary cleaning of floors, doors windows and glass panes etc., after painting is to be done by the contractor, no extra payment will be made for such cleaning and washing of floors etc.

b) Contractor shall fully cover the house hold article with polythene sheet/cloth while painting inside the quarter.

c) Contractor shall clean sanitary and electrical installation including fans and also make good the damages if caused operation to any of the installations.

d) Contractor should quote rate for carrying out work up to any height as per scope of work and the location of the buildings in the campus.

e) All the Painting application have to carried out only be suitable paint brush/ Roller/Spray as required.

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## **Additional Conditions-02 (Misc. Civil works)**

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 Superintending Engineer . Designing of CC Mix of required grades to be designed from the labs of Osmania University,/JNTU as per letter issued by 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 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 Superintending Engineer.
9. Contractor has to take levels of the work to be completed in writing from the Superintending Engineer, before commencement of the work.
10. Expansion joint, etc. to be made/done as per instruction of the 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 centring and shuttering with materials of steel jack system, steel plates etc only.
15. Contractor has to attend the necessary touch up jobs like plastering, primary coatings, painting, etc, wherever small repairs are existing as per site condition.

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.

Stamp & Signature of Tenderer



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**Part 'A'**

**Name of Work : Replacement of damaged roof of the store section and P/F false ceiling in the HLS Section at NGRI, Hyderabad.**

S.No.	Description of Item	Qty.	Unit	Rate (In figure and Words)	Amount
1	Providing and fixing of CRS sheet 0.5 mm thick of standard IS 513 having yield strength of 240 MPC and with galvanized as per IS 277/GIS 3302 of sheet 0.47 TCT zinc coating of 120 GSM both side mass painted as per IS 14246 RMP tolerance of 0.03 as per IS 513 of colour off white, green, light blue of wide 1.06 m semi corrugated sheets in curves as required plans with double "E" fastener of required size of make of Uttam galvanized or self threading screw with EPDM rubber washer or equivalent and complete the job as per instruction of Engineer-in-charge.( No extra payment will be made for scaffolding) (Make of TATA or Jindal)	300.00	sqm		
1.1	Providing ridges or hips of width 60 cm overall width corrugated CRS sheet fixed with polymer coated J. or L hooks, bolts and nuts 8 mm dia G.I. limpet and bitumen washers or self threading screw with EPDM rubber washer or equivalent and complete the job complete.( No extra payment will be made for scaffolding) (Make of TATA Shaktee or Jindal)				
	0.50 mm thick with zinc coating not less than 275 gm/m <sup>2</sup>	26.00	Rm		
2	Distemping with 1st quality acrylic distemper of approved brand and manufacture to give an even shade. .Wherever scaffolding is necessary, it shall be erected on double supports tied together by horizontal pieces, over which scaffolding planks shall be fixed. No ballies, bamboos or planks shall rest on or touch the surface which is being painted. (No extra payment will be made for scaffolding)				
	New work (two or more coats) over and including priming coat with cement primer	260.00	Sqm		

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3	Removing dry or oil bound distemper water proofing cement paint and the like by scrapping, sand papering & preparing the surface smooth including necessary repairs to scratches etc complete.( No extra payment will be made for scaffolding)	260.00	sqm		
4	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade including removal of lose particle, sand papering and apply red oxide or black oxide primer :( No extra payment will be made for scaffolding)				
	Two or more coats on new work	100.00	Sqm		
5	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material at NGRI store. (No extra payment will be made for scaffolding)				
	G.I. sheet	300.00	sqm		
6	Providing and fixing false ceiling at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part-4), fire performance as per BS:476 (part 6 &7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991,in true horizontal level suspended on interlocking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 24x38 mm of length 3000 mm, cross - T of size 24x32 mm of length 1200 mm and secondary intermediate cross-T of size 24x32 mm of length 600mm to form grid module of size 600 x 600 mm,				

	suspended from ceiling using galvanised mild steel items (galvanizing @ 80 grams per sqm) i.e.50 mm long, 8 mm outer diameter M-6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length or length as per site requirement and L-shape level adjuster of size 85x25x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of Engineer-in-Charge.				
	With 15 mm thick tegular edged light weight calcium silicate false ceiling tiles.	21.00	Sqm		
7	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	304.00	Kg		

**Total**

Contractor's Signature

Stamp and Signature of Tenderer

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**Part 'B'**

**Work: Providing and fixing of S.S. Railing in Ramps in different building at NGRI, Hyderabad**

<b>S.No.</b>	<b>Description of Item</b>	<b>Qty.</b>	<b>Unit</b>	<b>Rate (In figure and Words)</b>	<b>Amount</b>
1	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)				
		262.00	Kg		

**Total**

Contractor's Signature

Stamp and Signature of Tenderer

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**Part 'C'**

**Work: Providing and fixing of Aluminum Window in A.C. Section at CSIR-NGRI, Hyderabad**

S.No.	Description of Work	Qty.	Unit	Rate (In figure and Words)	Amount
1	Plaster of thickness 12mm to 25mm or more 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 and apply the one coat of cement primer make of Asian				
	With cement mortar 1:4 (1 cement : 4 fine sand)	14.00	Sqm		
2	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking and handing over to NGRI store as per instruction of Engineer-in-charge including cutting and removing loose plaster according to the site requirement.				
	Of area beyond 3 sq. metres	3.00	Each		
3	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular/appropriate Z sections/ Aluminium grill 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.)				
3.1	For fixed portion				
	Powder coated aluminium (minimum thickness of powder coating 50 micron)	46.00	kg		
3.2	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 aluminium (minimum thickness of powder coating 50 micron)	33.00	kg		

Stamp and Signature of Tenderer



4	Providing and fixing Float glass (black or dark blue) panes with necessary accessories				
	5 mm thick glass pane	12.00	sqm		
5	Distemping with oil bound acrylic washable distemper of approved brand (make of Asian) and manufacture to give an even shade				
	New work (two or more coats) over and including priming coat with cement primer	14.00	sqm		

**Total**

Contractor's Signature

Stamp and Signature of Tenderer