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Central Research Institute for Dryland Agriculture
Santoshnagar, Said bad Post, Hyderabad – 500 059

INVITATION TO TENDER AND INSTRUCTIONS TO TENDERERS

Tender Number: 4-7(135)/2012-2013

Date:

Name of the Work: **Renovation of Security Room at Hayathnagar Research Farm, CRIDA**

*Cost of Tender:	₹ 200-00 (non-refundable)	Bank:
D.D.No. :		Branch:
Dated:		

To

Dear Sirs,

On behalf of the Director, Central Research Institute for Dryland Agriculture, invite you to tender for works as per the details furnished in the Tender Form attached herewith from those who have the following:

- Licence / Registration as contractor with any Government Department / Organisation.
- Pan Card
- Experience in relevant work.

The conditions of contract for undertaking the work as per the details furnished here under will be of any contract applicable to the Order placed by Central Research Institute for Dryland Agriculture, Indian Council of Agricultural Research and Research Institutes under it and special conditions detailed in the tender form (attached herewith). If you are in a position to quote for the same as per the details furnished in accordance with the requirements stated please submit your quotations in the Annexures I, II and III enclosed to tender form, in original.

The complete set of the Tender form including Annexures I,II and III in original may be submitted to office after signing on all pages by the tenderer.

Yours faithfully

Assistant Administrative Officer

* DD for ₹ 200/- drawn in favour of “ **ICAR Unit Account CRIDA** may please be enclosed to tender in case of downloaded tender forms.

TERMS AND CONDITIONS OF TENDER – PART I

Only in exceptional cases and for adequate reasons telegraphic or letter quotations will be considered if they are received from firms who are in the approved list of contractors maintained by the Indian Council of Agricultural Research provided those telegraphic or letter quotations are complete in all respects with regard to price, (itemised prices where necessary), specification, delivery and other particulars essential to enable a purchase decision to be taken and provided also the quotations are confirmed within three days from the date of receipt of tender in the prescribed form.

1. **EARNEST MONEY**: Earnest Money deposit as mentioned in the Annexure III may be paid by way of Demand Draft drawn on any schedule bank in favour of “**ICAR UNIT ACCOUNT, CRIDA, Hyderabad**” payable at State Bank of India, Edi Bazar, Hyderabad. The DD towards EMD may please be enclosed to the tender form and the tender submitted to the Director, Central Research Institute for Dryland Agriculture, Saidabad Post, Santoshnagar, Hyderabad – 500 059. Any other mode of payment will not be accepted.
2. **THE TENDER SHALL NOT BE CONSIDERED IF THE DD OF EARNEST MONEY DEPOSIT IS NOT SENT WITH THE TENDER**: No request for transfer of any previous deposit of earnest money will be entertained. It is understood that the tender document has been issued to the tenderer and the tenderer is being permitted to tender in consideration of the stipulation of his part that after submitting his tender, he will not reside from his offer or modify the terms and conditions thereof. Should the tenderer fail to observe and comply with the forgoing stipulation; the aforesaid amount will be forfeited to the Central Research Institute for Dryland Agriculture, Indian Council of Agricultural Research. In the event of the offer made by the tenderer not being accepted the amount of earnest money deposited by the tenderer will be refunded to him after he has applied for the same in a manner prescribed by Central Research Institute for Dryland Agriculture, Indian Council of Agricultural Research. The Earnest Money should not on any account fall short of the amount actually required.
3. **PREPARATION OF TENDER** :
 - a) The complete set of tender form should be returned in tact **in original** and pages should not be detached but when the rates are not being tendered for the corresponding space should be defaced by words as “Not Quoting”.
 - b) If any modification of the schedule is considered necessary you should communicate the same by means of a separate letter sent with the Tender.
 - c) In the event of space on the schedule form being insufficient for the required purpose, additional pages may be added. Each such additional page must be numbered consecutively, bearing the Tender number and be fully signed by you. In such cases reference to the additional pages must be made in the tender form.
4. **SIGNING OF TENDER**:
 - a) The tender is liable to be ignored if complete information is not given therein or of the particulars and date if any asked for in the Annexures to the tender are not fully filled in, **specific attention must be paid to the delivery dates and also to the general conditions** of the contract as the contract would be governed by them.

(SIGNATURE OF TENDERER)

3/-

- b) Individual signing the tender or other documents connected with the contract must specify whether he signs as:
- i) 'sole proprietor' of the firm or constituted attorney of such sole proprietor.
 - ii) A partner of the firm if it be a partnership, in which case he must have authority to refer to arbitration dispute concerning the business of the partnership either by virtue of the partnership agreement or a power of attorney.
 - iii) Constituted attorney of the firm if it is a company.

NOTE:

- 1) In case of (ii) a copy of the partnership agreement or general power of attorney, in either case attested by a Notary Public, should be furnished and affidavit on stamped paper of all the partners admitting execution of the partnership agreement or the general power of attorney should be furnished.
- 2) In the case of partnership firms, where no authority to refer disputes concerning the business of the partnership has been conferred on any partner, the tender and all other related documents must be signed by every partner of the firm.
- 3) A person signing the tender form or any documents forming parts of the contract on behalf of another shall be deemed to warrant that he has authority to bind, such other and if, on enquiry it appears that the person so signing had no authority to do so, the purchaser may, without prejudice to other civil and criminal remedies cancel the contract and hold the signatory liable for all costs and damages.
- 4) Each page of the tender, schedule to tender and annexure, if any, should be signed by the tenderer and returned to the institute in **original after filling.**
- 5) **DELIVERY OF TENDER:** The **original** copy of the tender is to be enclosed in a cover and the cover should be sealed and should bear address of this office with indication that there is a tender within.

Right is reserved to ignore any tender which fails to comply with the above instructions. All tenders should be sent by registered posts or delivered in person to the Institute. A separate "tender box" has been kept for this purpose in the Institute. Only one tender should be included in a cover, all tenders so enclosed in one cover be liable to be ignored.

LATEST HOUR FOR RECEIPT OF TENDERS: The tender must reach this office not later than hours and date mentioned in Annexure III. Tenders sent by hand delivery should be put in the Tender Box at this office within stipulated time.

PERIOD FOR WHICH THE OFFER WILL REMAIN OPEN:

- i) Firms tendering should note that their offers should remain open for **acceptance for 90 days from the date of opening of tender.** If the firms are unable to keep their offers open for the specified period, they should specifically state in the tender form the period upto which they want their tenders to remain open for acceptance. In the absence of such specifications in the tender, it will be assumed that their offers will remain open for acceptance for a period of 90 days from the date of opening.

(SIGNATURE OF THE TENDERER)

ii) Quotations qualified by such vague and indefinite expressions such as **“subject to immediate acceptance”** will not be considered.

8. **OPENING OF TENDER :**

You are at liberty to be present or authorize a representative to be present at the opening of the tender at the specified time and date. The name and address of the representative who would be attending the opening of the tender on your behalf should be indicated in your tender. Please also state the name and address of your permanent representative, if any.

SAMPLES: QUOTATIONS WITHOUT SAMPLES WHERE SAMPLES ARE SPECIFICALLY CALLED FOR ARE LIABLE TO BE IGNORED.

10) **EXAMINATION OF PATTERNS OF CERTIFIED SAMPLES :**

When sealed patterns of stores are mentioned in the schedule to the tender form of specification in those of certified samples thereof, any be seen at the place stated in the schedule to tender and should be examined by the Competent person on your behalf (who should take this invitation with him) before the tender is submitted.

11) **THE PRICE MUST BE QUOTED AS BELOW:**

Complete details of the proposed work shall be as per the details mentioned in the Annexures attached therein.

i) If it is decided to ask for **excise duty/sales tax or any other charges as extra**, the same must be **specifically** stated. In the absence of any such stipulation it will be presumed that the prices include all such charges and no claim for the same will be entertained. It may be mentioned here that the **Institute is not in a position to supply any ‘C’ or ‘D’ forms. Please avoid to write expression such as taxes etc., Please indicate exact amount/percentage of taxes, duties etc. payable by the Institute.**

ii) The prices quoted by the tenderers should be exclusive of sales tax (and should be clearly stated to be so) which will be paid by the purchaser, if legally leviable at the rate of ruling on the date of completion as specified in the acceptance of tender.

12) **TERMS FOR COMPLETION WORK:**

The time allowed for completion of work is indicated in the Annexure – III enclosed and should be completed within the stipulated period, failing which penalty will be imposed as specified in Annexure III. The time for completion of work indicated therein is tentative, however, this may be reduced or enhanced by the Director keeping in view of the exigency of work. No extra charges for labour etc. shall be paid.

(SIGNATURE OF THE TENDERER)

13) **RIGHT OF ACCEPTANCE :**

This office does not pledge itself to accept the lowest or any tender and reserves to itself, the right of accepting the whole or any part of the tender.

14) **COMMUNICATION OF ACCEPTANCE:**

Acceptance by the Institute will be communicated by telegram, express letter of acceptance or formal acceptance of tender. In cases where acceptance is communicated by telegram or express letter the formal acceptance of tender will be forwarded to you as soon as possible but the instructions contained in the telegram or express letter should be acted upon immediately. On approval of rates, an agreement is to be executed by the tenderer with the institute on Non-judicial stamp paper value of Rs.100/- the cost of which shall be met by the tenderer.

15) **RESERVATION OF RIGHTS TO ORDER ADDITIONAL QUANTITY :**

The Director reserves the right to place order on the successful tenderer for additional work at the rates quoted by them.

16) **PRE-INSPECTION OF STORES:**

In case an order is placed on you as a result of this tender you should satisfy yourself that the work is in accordance with the terms of order and fully conform to the required specifications by carrying out through pre-inspection. Such precaution on your part should minimize the chance of rejection in inspection and consequences thereof.

The work should be carried out as per the specification. The material used should be of good and standard Quality and to the satisfaction of CRIDA. Failing to maintain standard Quality of work, the order given shall be liable for cancellation. In such cases no payment shall be allowed for the work already completed. In addition, the EMD shall be forfeited and suitable legal action shall be taken against the Contractor / Firm.

17) **OTHER CONDITIONS:**

- a) **The appropriate specifications (I.S.I., IRS., ISO., etc., as the case may be)** should be annexed to or quoted in the tender and that the articles supplied will be subject to inspection and/or tests prescribed in the specifications before acceptance.
- b) Late tenders (i.e., tenders received after the specified time of opening) delayed tenders (i.e., tenders received before the time of opening but after the due date and time of receipt of tenders) and post tenders offers will not be considered at all.

(SIGNATURE OF THE TENDERER)

TERMS AND CONDITIONS OF TENDER – PART II

1. CLIENT : Director, Central Research Institute for Dryland Agriculture, Santoshnagar, Hyderabad – 59.
2. The execution of work as per the details given in the tender schedule has to be completed within a period as specified in supply/work order. Please quote earliest possible guaranteed date by which you can complete the work.
3. Conditions of contract: As contained in special/general conditions of contract and schedule and annexures to the tender attached herewith.
4. Tenderers are bound to accept order for additional quantity at the rate quoted only if order is placed on them within 90 days from the date of issue of A/T.
5. In case the tenderer wants to furnish in a separate covering letter any additional information, particulars or quote conditions (e.g. those relating to allowance, discount, rebate, etc.) which cannot be accommodated in the tender form, an indication to that effect should be given in the tender form by means of a note. In the absence of such indication in the tender form the contents of the covering letter will be ignored in consideration of tender.
6. Firm should note that it is desired that their offer should remain open for acceptance for 90 days from the date of opening the tenders. In the absence of such an indication in the tender form, it will be assumed that their offers will remain open for acceptance for the period as specified.
7. The Director, CRIDA reserves right to accept/reject any tender.

TENDERERS MUST GIVE SPECIFIC ANSWERS AGAINST EACH OF THE FOLLOWING QUESTIONS. TENDERS CONTAINING EQUIVOCAL OR EVASIVE REPLIES WILL BE IGNORED.

- 1) Whether supply of stores in question confirm to particulars quoted in the schedule; if not, details of deviation must be stated here
- 2) I) Brand:
 - ii) Name and address of :
Manufacturer
 - iii) Guaranteed date by which the :
Supply can be completed
- 3) Business name and constitution:
of tendering form
(is the firm registered under)
 - i) The Indian Partnership Act, :
1932

(SIGNATURE OF THE TENDERER)

7/-

- ii) The Indian Companies Act, :
1956
 - iii) Any act, if not, who are owners:
(Please give full names)
- 4) Do you agree to the Arbitration Clause stipulated (Your acceptance or non- acceptance of this Clause will not influence the decision of the tender. It should, however be noted that as omission to answer the above question will be deemed as an acceptance of the Clause).

(FOR PARTNERSHIP FIRMS WHETHER REGISTERED OR NOT REGISTERED UNDER INDIAN PARTNERSHIP ACT, 1932)

Should the answer to this question by a partnership firm be in the affirmative, please state further:

- a) Whether by the partnership agreement, authority to refer disputes concerning the business of the partnership to arbitration has been conferred on the partner who has signed the tender.
- b) If the answer to (a) is in the negative whether there is any general power of attorney execute by all the partners tender to refer dispute concerning business of the partnership to arbitration:
- c) If the answer to either (a) or (b) is in the affirmative, have you already furnished a copy either the partnership agreement or the general power of attorney as the case may be, to this Institute. Please quote the references to the communication by which this was done.

NB.1) If a copy of neither the partnership agreement for general power of attorney has previously been furnished to this Institute please attach to the tender a copy of either documents on which reliance is placed for authority of partners of the partner signing the tender to refer disputes to arbitration. The copy should be admitted by Notary public to or its execution should be admitted by affidavit on a properly stamped paper by all the partners.

2) Where authority to refer disputes to arbitration has not been given to the partners signing the tender, the tender must be signed by every partner of the firm.

5) **INDICATE FOLLOWING DETAILS :**

- I) What is your installed capacity
 - ii) What is your working capacity
 - iii) What is the existing load
 - iv) What portion of your capacity
you prepared to reserve and allocate
to this Rate contract
- 6) Whether Earnest Money has been deposited:

Enclosures:

Annexure – I
Annexure – II
Annexure – III

(SIGNATURE OF TENDERER)

ANNEXURE (I) (ENCLOSURE TO TENDER FORM)

(To be returned by Tenderers along with Tender duly signed)

1. CONDITIONS OF CONTRACT:

Printed or cyclostyled or such terms and conditions of the tendering firms not appearing in the body of the tender will not be considered as forming part of their tender. Tendering firms should quote on the basis of the conditions referred to in para 1 of the invitation of tender and instructions to tenderers. In case any terms and conditions of contract applicable to this invitation to tender are not acceptable to the tendering firms, they should specifically state deviation there from in the body of their tender.

2. DEVIATION FROM SPECIFICATION:

It is in the interest of the tenderers to study the specifications, specified in the tender schedule thoroughly before quoting so that if any deviations are made by the Tenderers the same are prominently brought out in the body of their tender.

3. PRICES:

- a) Prices must be in terms of new coinage system, viz., rupees and paisa.
- b) The unit prices should be for the work in question indicated in the schedule to tender enquiry and not any other supply.
- c) Prices quoted should be invariably for undertaking work place mentioned in Annexure – III.
- d) Discount if any, should be indicated promptly.

4. TRANSIT INSURANCE:

The Client will not pay separately for transit insurance and the contract will be responsible till the entire supply is made.

5. PRICE PREFERENCE FOR EARLIER DELIVERY:

It should be noted that if a contract is placed on the tenderer as a result of this invitation to tender in preference to the lowest acceptable offer in consideration of offer of earlier supplies, the contractor will be liable to the Council the difference between the contract rate and that of the lowest.

ACCEPTABLE TENDER, on the basis of duties and other incidentals in case of failure to completion of supply in terms of such contract within the date of completion specified in the tender and incorporated in the contract.

This is in addition to and without prejudice to other rights under the terms of the contract.

(SIGNATURE OF TENDERER)

9/-

6. PAYMENT TERMS:

- a. Part payment as certified by CRIDA will be made, upon request of tenderer. This request is voluntary and its timing is at discretion of tenderer. Final payment will be made after completion of total work. I.T and SD shall be deducted at source. The terms of payment are indicated in Annexure III, the bills shall be submitted in triplicate on the basis of the measurement jointly recorded by the contractor and Chairman, Works Committee/his nominee. Payment shall be arranged within the 3-4 weeks time from the date of certification of satisfactory completion of the work. The cost of bill in triplicate may please be preferred in the name of Director, CRIDA, and submitted along with advance stamped receipt for arranging payment and also kindly indicate following RTGS details on bill. Kindly note that no payment is possible without these details

Name of Account Holder :

Bank Account No. :

Name of the Bank & Branch :

IFS Code :

Pan Number :

7. ADDITIONAL PARTICULARS TO BE FURNISHED BY THE TENDERER:

Tenderers shall submit along with their tenders:

- i) An Income Tax clearance certificate (duly countersigned by the Income Tax Officer of the Circle concerned under the seal of his office)
- ii) Name and full address of their Banker:
- iii) Performance statement duly signed by them regarding work undertaken by them against contract for similar supplies for the past three years. In case the tenderer has not secured any contract during the past three years, he should give the performance against earlier contract placed on him, if any, samples of the supply work executed may please be enclosed to the tender.
- iv) The assignment, they possess for executing the supply work liable to be ignored.

8. JURISDICTION:

All questions, disputes or differences under, out of or in connection with the contract, if concluded shall be referred to the sole arbitrator appointed by the Indian Council of Agricultural Research. The decision of the sole Arbitrator shall be final and binding on both the parties.

9. I/we have understood the instructions of Tenders and conditions of contract including in the General conditions of contract governing contracts placed by the Indian Council of Agricultural Research and Institute under it and in the special conditions of contract and have thoroughly examined the specification or pattern and nature of work quoted in the schedule hereto and am/are fully aware of the completion of the work and my/our offer is in accordance with the requirement.

10. Demand Draft No.....dt.....for ₹
(Rupees.....)is enclosed being EMD.

Name of the Bank:

Name of the Branch:

(SIGNATURE OF TENDERER)

10/-

ANNEXURE –II (ENCLOSURES TO TENDER FORM)

(Please quote rates on Annexure III (Schedule to Tender Form))

Full name & address of the
Tenderer in addition to
Post Box No. if any, should
be quoted in all communications
to this office

Tenderers Telegraphic Address:
Mailing Address:

Phones:

Land line :
Mobile No. :

From

To
The Director
Central Research Institute for
Dryland Agriculture
P.O.Saidabad
Santoshnagar
Hyderabad – 59.

Dear Sir,

I/We hereby offer for undertaking construction of works as per the details furnished in the tender schedule (Annexure-III) hereto or such portion thereof as you may specify in the Acceptance of Tenderer at the price given in the said schedule and agree to hold this offer ninety days only. I/We shall be bound by a communication of Acceptance dispatched within the prescribed time and also agree to pay Performance Guarantee, Security Deposit and execute agreement required in this regard.

(SIGNATURE OF TENDERER)

11/-

2. I/We have understood the instructions to Tenderers and conditions of contract included in the General conditions of contracts governing contracts placed by the CRIDA, Indian Council of Agricultural Research Institutes under it and in the special conditions of contract and have thoroughly examined the specification or pattern and nature of stores quoted in the schedule thereto and an/are fully aware of the completion of the supply and my/or offer is to in accordance with the requirement.
3. The following pages have been added to and from part.

Name of Tenderer :

Mailing Address :

DATE:

(SIGNATURE OF TENDERER)

ANNEXURE – III

Name of the work	: Renovation of Security Room
Place of work	: Hayathnagar Research Farm, CRIDA
Estimated value of the work	: ₹ 2.9 Lakhs
Time for completion of work	: 1 month for the date of handing over site by CRIDA
Amount of EMD	: ₹ 6,000/-
In whose favour the DD's to be Drawn (Tender form & EMD)	: “ICAR Unit A/c., CRIDA, Hyderabad”
Date of publication of tender notification	: 15-12-2012
Names of Newspaper	: Andhra jyothi (Telugu), Siasat(Urdu), Deccan Chronicle(English)
Rate of Tender form	: ₹ 200-00
Date of sale of Tender form	: 18-12-2012 to 26-12-2012, 1300 hrs
Date & Time of submission of Tenders	: 26-12-2012 upto 1500 hrs
Date & Time of opening of Tenders	: 26-12-2012 at 1530 hrs

(SIGNATURE OF THE TENDERER)

Contd..

Other Important Instructions

1. Performance Guarantee: The performance guarantee at 5% of contract amount shall be required to be submitted as Bank Guarantee, Govt. Securities, FDR within a 7 days period from the date of receipt of letter of intent to award the work along with agreement on Rs. 100/- (Rupees one hundred only) worth Non-judicial stamp paper, the cost to be borne by the contractor.
2. The Security Deposit @ 5 % shall be deducted from the bills. EMD is being adjusted in security deposit. The Security Deposit shall be refunded on completion of one year guarantee period reckoned from the date of satisfactory completion of work and certification thereof.
3. Liquidated Damages: In case of delay in completion of the contract, liquidated damages shall be levied. For repair works costing up to Rs. 10 Lakh – 1% of the Contract Value per week and for all other 0.5% of the Contract Value per week of delay to a maximum of 10% of Contract Value.
4. Measurement and Payment: Measurement of all items having financial value shall be recorded in Measurement books and/or level field books so that a complete record is obtained of all works performed under the contract. Measurements and levels shall be taken jointly by the official designated for the purposed and contractor. Intermediated bill shall be submitted by the contractor for the work executed on basis o recorded measurement. Payment shall be made after verification of the bill. Final bill shall be submitted by the contractor in same manner as that in interim bills within a specified time of physical completion of work and of final certificate of completion furnished. Payment shall then be made after verification of the bill.
5. Secured Advance: Secured advances on the security of material brought to site by the contractor shall be made for items which are to be used for work. This shall be limited to 75% of the assessed value of the material. No advance shall be allowed in case material is combustible, fragile or of perishable nature. Recoveries of advance shall be made from intermediate bill based on material used in the work.
6. Commissioning and Documentation: When the work has been executed, the assests created shall be commissioned. Reasonable advance information of completion of work should be given to enable to make arrangements for taking over. “As built” drawings of the work shall be prepared by the contractor to facilities proper maintenance of the assests, additions to the assets at subsequent dates etc. and to form part of the records.

(SIGNATURE OF THE TENDERER)

Quotation for Renovation & Extension of Security room at Hayathnagar Research Farm, CRIDA.

Part I: Civil

Sl.no.	Description of item	Unit	Qty.	Rate	Amount(₹)
1 2.8 2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means 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 by Engineer-in-charge. All kinds of soil. $2 \times 3.80 \times 0.75 \times 0.75 = 4.28$ $2 \times 3.70 \times 0.75 \times 0.75 = 4.16$ $1 \times 3.00 \times 0.75 \times 0.75 = 1.69$ Total = <u>10.13</u> cum	cum	10.13		
2 2.27	Supplying & filling in plinth with good quality Moorum under floors including, watering, ramming consolidating and dressing complete. $1 \times 3.05 \times 3.66 \times 0.60 = 6.70$ cum	cum	6.70		
3 4.1 4.1.8	Providing & laying in position cement concrete of specified grade excluding the cost of centering and shuttering – All work up to plinth level: 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size). $2 \times 3.80 \times 0.75 \times 0.10 = 0.57$ $2 \times 3.70 \times 0.75 \times 0.10 = 0.56$ $1 \times 3.00 \times 0.75 \times 0.10 = 0.23$ $2 \times 1.20 \times 0.75 \times 0.10 = 0.18$ Total = <u>1.54</u> cum	cum	1.54		
3.1 4.1.6	1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size). $1 \times 3.66 \times 3.05 \times 0.15 = 1.67$ cum	cum	1.67		
4 7.1 7.1.1	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 20mm nominal size) at plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand) $2 \times 3.80 \times 0.60 \times 0.60 = 2.74$ $2 \times 3.70 \times 0.60 \times 0.60 = 2.66$ $1 \times 3.00 \times 0.60 \times 0.60 = 1.08$ Total of (a) = <u>6.48</u> cum $2 \times 3.80 \times 0.40 \times 0.75 = 2.28$ $2 \times 3.70 \times 0.40 \times 0.75 = 2.22$ $1 \times 3.00 \times 0.40 \times 0.75 = 0.90$ Total of (b) = <u>5.40</u> cum Total of a+b = <u>11.88</u> cum	cum	11.88		

5 6.1 6.1.2	<p>Brick work F.P.S. bricks of class designation 75 in foundation and plinth in:</p> <p>Cement mortar 1:6 (1 cement : 6 coarse sand)</p> <p>$2 \times 3.55 \times 0.23 \times 3.10 = 5.06$</p> <p>$2 \times 3.70 \times 0.23 \times 3.10 = 5.28$</p> <p>$2 \times 1.00 \times 0.75 \times 0.15 = 0.23$</p> <p>$1 \times 1.00 \times 0.60 \times 0.15 = 0.09$</p> <p>$1 \times 1.00 \times 0.30 \times 0.15 = \underline{0.05}$</p> <p>Total = <u>10.71</u> cum</p> <p>Deduct door: $1 \times 1.00 \times 0.23 \times 2.10 = 0.48$</p> <p>$1 \times 1.52 \times 1.20 \times 0.23 = 0.42$</p> <p>$2 \times 1.20 \times 1.80 \times 0.23 = 0.99$</p> <p>$1 \times 0.60 \times 1.20 \times 0.23 = 0.17$</p> <p>$1 \times 0.75 \times 0.45 \times 0.23 = \underline{0.08}$</p> <p>Total = <u>2.14</u> cum</p> <p>Net Qty: $10.71 - 2.14 = \underline{8.57}$ cum</p>	cum	8.57		
6 6.12 6.12.1	<p>Half brick masonry with F.P.S. brick of class designation 75 in foundations and plinth in.</p> <p>Cement mortar 1:3 (1 cement : 3 coarse sand)</p> <p>$1 \times 1.20 \times 3.10 = 3.72$</p> <p>$1 \times 2.00 \times 3.10 = 6.20$</p> <p>$2 \times 0.45 \times 3.00 = \underline{2.70}$</p> <p>Total = 12.62 sqm</p> <p>Deduct door: $1 \times 0.75 \times 2.10 = \underline{1.58}$</p> <p>Net Qty. = <u>11.04</u> sqm</p>	sqm	11.04		
7 5.3	<p>Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).</p> <p>a) Lintels: $1 \times 3.50 \times 0.23 \times 0.23 = 0.19$</p> <p>$2 \times 1.60 \times 0.23 \times 0.23 = 0.17$</p> <p>$1 \times 1.05 \times 0.12 \times 0.12 = 0.02$</p> <p>$1 \times 0.90 \times 0.23 \times 0.15 = 0.03$</p> <p>$1 \times 1.00 \times 0.23 \times 0.15 = \underline{0.03}$</p> <p>Total = <u>0.44</u> cum</p> <p>b) Chajjas: $1 \times 3.50 \times 0.60 \times 0.10 = 0.21$</p> <p>$2 \times 1.60 \times 0.45 \times 0.10 = 0.14$</p> <p>$1 \times 0.90 \times 0.45 \times 0.10 = 0.04$</p> <p>$1 \times 1.00 \times 0.45 \times 0.10 = \underline{0.05}$</p> <p>Total = <u>0.44</u> cum</p> <p>c) window sills: $2 \times 1.20 \times 0.45 \times 0.10 = 0.11$</p> <p>$1 \times 1.20 \times 0.23 \times 0.10 = \underline{0.03}$</p> <p>Total = <u>0.14</u> cum</p> <p>d) Shelves: $4 \times 1.44 \times 0.45 \times 0.05 = \underline{0.13}$ cum</p> <p>e) Beams: $1 \times 3.50 \times 0.23 \times 0.23 = \underline{0.19}$ cum</p> <p>f) Roof: $1 \times 5.86 \times 4.06 \times 0.15 = \underline{3.57}$ cum</p> <p>Total of (a+b+c+d+e+f) = <u>4.91</u> cum</p>	cum	4.91		

8	Centering and shuttering including strutting, propping etc. and removal of form for:				
5.9	Small lintels not exceeding 1.5m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like.				
5.9.15	$1 \times 3.50 \times 0.53 = 1.86$ $2 \times 1.20 \times 0.53 = 1.27$ $1 \times 1.05 \times 0.12 = 0.13$ $1 \times 0.90 \times 0.53 = 0.48$ $1 \times 1.00 \times 0.53 = \underline{0.53}$ Total = <u>4.27</u> sqm	sqm	4.27		
5.9.19	Weather shade, Chajjas, corbels etc, including edges				
	$1 \times 3.50 \times 0.60 = 2.10$ $2 \times 1.60 \times 0.45 = 1.44$ $1 \times 0.90 \times 0.60 = 0.54$ $1 \times 1.00 \times 0.60 = \underline{0.60}$ Total = <u>4.68</u> sqm	sqm	4.68		
5.9.4	Shelves (Cast in situ)				
	$4 \times 1.20 \times 0.45 = \underline{2.16}$ sqm	sqm	2.16		
5.9.3	Suspended floors, roofs, landings, balconies and access platform.				
	$1 \times 5.86 \times 4.06 = \underline{23.79}$ sqm	sqm	23.79		
5.9.16	Edges of slabs and breaks in floors and walls.				
5.9.16.1	Under 20 cm wide				
	$2(5.20+3.60) = \underline{17.60}$ metre	metre	17.60		
9	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
5.22					
5.22.6	Thermo-Mechanically Treated bars.	kgs	470.00		
10	Providing & fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing clips or with bolts and nuts as require including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.				
10.13	a) For Door frames, including hold past etc. $2 \times 2.10 + 1.00 = 5.20$ $1 \times 2 \times 2.10 + 0.75 = \underline{4.95}$ Total = <u>10.15</u> m @ 4.0 kgs/Rm = <u>40.60</u> kgs b) Steel windows/ventilators including Hold past, Handles, Stoppers. $2 \times 1.20 \times 1.80 = 4.32$ $1 \times 0.60 \times 1.20 = 0.72$ $1 \times 0.75 \times 0.45 = \underline{0.34}$ Total = <u>5.38</u> sqm @ 35 kgs/sqm = 188.30 kgs Total of a+b = <u>228.90</u> kgs	kgs	228.90		

11 9.21 9.21.2	<p>Providing & fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters :</p> <p>30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.</p> <p>1x1.00x2.10 = 2.10 1x0.75x2.10 = <u>1.58</u> Total = <u>3.68</u> sqm</p>	sqm	3.68		
12 21.1 21.1.2 21.1.2.1 12.1(21.1.1) 21.1.1.1	<p>Providing & fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / 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):</p> <p>For shutters of doors, windows (with Grill) including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately).</p> <p>Anodised aluminium(anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) 2x0.75x0.90 = 1.35 m @ 18.0 kg/m = <u>24.30</u> kgs</p> <p>For fixed portion</p> <p>Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15) 2x0.75x0.30 = 0.45 m @ 10.0 kg/m = <u>3.60</u> kgs</p>	kgs	24.30		
		kgs	4.50		
13 21.3 21.3.1	<p>Providing & fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item):</p> <p>With float glass panes of 4.0 mm thickness</p> <p>1x1.52x1.20 = 1.82 2x1.20x1.80 = 4.32 1x0.60x1.20 = 0.72 1x0.75x0.45 = <u>0.34</u> Total = <u>7.20</u> sqm</p>	sqm	7.20		

14 11.37	Providing & laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1 st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete. 1x3.25x2.65 = 8.61 1x3.05x1.22 = <u>3.72</u> Total = <u>12.33</u> sqm	sqm	12.33		
15 11.36	Providing & fixing 1 st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete. 2(2.00+1.20) = 6.40x1.50 = 9.60 sqm Deduct for door: 1x0.75x1.50 = <u>1.13</u> sqm Net: = <u>8.47</u> sqm	sqm	8.47		
16 9.97 9.97.2	Providing & 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: 250x10 mm	each	4 nos.		
17 M.R	Providing & fixing ISI marked oxidised Aluminium door latches conforming to IS:5930 with screws etc. complete : 300x20x6 mm	each	2 nos.		
18 9.101 9.101.1	Providing & fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. Single rubber stopper	each	2 nos.		
19 9.100 9.100.3	Providing & fixing aluminium handles 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: 75 mm	each	4 nos.		

20 8.2 8.2.1 8.2.1.2	Providing & fixing 18mm thick gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias for urinal partitions and similar locations of required size of approved shade, colour and texture to be fixed to wall using 1:2 cement mortar with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edge to give high gloss finish etc. complete at all levels. Raj Nagar Plain white marble/ Udaipur green marble/ Zebra black marble. Area of slab over 0.50 sqm $1 \times 1.52 \times 1.13 = 1.72$ sqm	sqm	1.72		
21 8.3 8.3.1	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-charge. Marble work. $1 \times 1.52 + 0.45 + 1.52 = 3.49$ m	metre	3.49		
22 17.2 17.2.1	Providing & fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid.	each	1 no.		
23 17.7 17.7.7	Providing & fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Flat back wash basin size 450x300 mm with single 15 mm C.P. brass pillar tap.	each	1 no.		
24 17.28 17.28.2 17.28.2.1	Providing & fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. Flexible pipe 32 mm dia.	each	1 no.		
25 M.R	Providing & fixing C.I. Nalni traps with Stainless steel cover.	each	2 nos.		
26 19.1 19.1.2	Providing, laying & jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete: 150 mm diameter	metre	20.00		

27 19.4 19.4.1 19.4.1.1	Providing & fixing square-mouth S.W.gully trap grade 'A' complete with C.I.grating brick masonry chamber with water tight C.I. cover with frame of 300x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design : 100x100 mm size P type With F.P.S. Bricks class designation 75	each	1 no.		
28 17.32 17.32.2	Providing & fixing mirror of superior glass (of approved quality) and of required shape and size of approved make and shade with 6 mm thick hard board backing : Rectangular shape 453x357mm	each	1 no.		
29 19.7 19.7.1 19.7.1.2	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 90x80 cm & 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions total weight of cover & frame to be not less than 38 kg (weight of cover 23 kg & weight of frame 15 kg) : With Sewer bricks conforming to IS : 4885	each	2 nos.		
30 M.R	Providing soak pit of excavation of size 1.2mx1.2mx1.8m duly filling with medium size stone/boulders of size not morethan 230x230x230mm including construction of periphery wall allround with brick masonry of 230mmx230mmx230mm of size duly plastered with C.M.(1:6) of size to prevent rain water from entering into soakpit.		One Job		

31 13.11	<p>18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement: 5 coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1 cement: 6 fine sand).</p> <p>Internal: $2 \times 3.00 + 2 \times 4.00 = 14.00 \times 3.00 = 42.00$</p> <p>$1 \times 3.00 \times 4.00 = 12.00$</p> <p>$4 \times 1.20 \times 1.00 = 4.80$</p> <p>$2 \times 1.00 \times 0.23 = 0.46$</p> <p>$1 \times 1.52 \times 0.23 = \underline{0.35}$</p> <p>Total = <u>59.61</u> sqm</p> <p>External: $2 \times 3.46 + 2 \times 4.26 = 15.44 \times 3.75 = 57.90$</p> <p>Bottom of slab projection: $1 \times 3.46 \times 1.20 = 4.15$</p> <p>Bottom of roof projection: $1 \times 15.44 \times 0.45 = 6.95$</p> <p>Steps: $1 \times 2.50 \times 0.60 = 1.50$</p> <p>Chajjas: $2 \times 2.50 \times 0.90 = 4.50$</p> <p>$1 \times 0.90 \times 0.90 = 0.81$</p> <p>$1 \times 1.00 \times 0.90 = \underline{0.90}$</p> <p>Total = <u>76.71</u> sqm</p> <p>Deduct for : $1 \times 1.00 \times 2.10 = 2.10$</p> <p>$2 \times 1.20 \times 1.80 = 4.32$</p> <p>$1 \times 1.50 \times 1.20 = 1.80$</p> <p>$1 \times 0.60 \times 1.20 = 0.72$</p> <p>$1 \times 0.75 \times 0.45 = \underline{0.34}$</p> <p>Total = <u>9.28</u> sqm</p> <p>Net Qty: $76.71 - 9.28 = \underline{67.43}$ sqm</p>	sqm	59.61		
32 13.1 13.1.1	<p>12 mm cement plaster of mix: 1:4 (1 cement: 4 fine sand)</p> <p>$2 \times 2.00 \times 1.50 = 6.00$</p> <p>$2 \times 1.22 \times 1.50 = \underline{3.66}$</p> <p>Total = 9.66 sqm</p> <p>Deduct: $1 \times 2.10 \times 0.75 = \underline{1.58}$</p> <p>Net Qty. = <u>8.08</u> sqm</p>	sqm	8.08		
33 13.41 13.41.1	<p>Distempering with oil bound washable distemper of approved brand & manufacture to give an even shade</p> <p>New work (two or more coats) over & including priming coat with cement primer.</p> <p>Qty. same as sl.no: 31 = <u>59.61</u> sqm</p>	sqm	59.61		
34 13.46 13.46.1	<p>Finishing walls with Acrylic Smooth exterior paint of required shade :</p> <p>New work (Two or more coat applied @ 1.67 ltr/10 sqm over & including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sqm).</p> <p>Qty. same as sl.no:31 = <u>67.43</u> sqm</p>	sqm	67.43		
35 13.62 13.62.1	<p>Painting with synthetic enamel paint of approved brand & manufacture of required colour to give an even shade:</p> <p>Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand & manufacture.</p> <p>Windows & grills: 5.38</p> <p>Frames: $1 \times 10.18 \times 0.12 = \underline{1.22}$</p> <p>Total = <u>6.60</u> sqm</p>	sqm	6.60		
Total of Part I					

Part II : Electrical

Sl.no.	Description of item	Unit	Qty.	Rate	Amount(₹)
1	Supply of D.B. box(8way) 40 A isolator 2 pole. Double door - 6 nos. MCBs (Legrand make)	each	1 set		
2	Supply of 40 watts Tube lights fittings. (Bajaj/C.G./Anchor)	each	4 nos.		
3	Supply of 1200 mm Ceiling fan, Double bearing. (Orient/PSPO)	each	1 no.		
4	Supply of 12 modular Switch board with switches – 06 nos. Step up regulator – 01 no. 6A Sockets - 2 nos. (Maru)	each	1 set		
5	Supply of 16A Switch socket with metal box. (Anchor)	each	2 nos.		
6	Supply of 2.5 sqmm Copper wire. (finolex make)	each	1 bundle		
7	Supply of 1.5 sqmm Copper wire. (finolex make)	each	2 bundles		
8	Supply of Ceiling roses. (Anchor)	each	5 nos.		
9	Supply of Holder. (Anchor)	each	6 nos.		
10	Supply of 1x15 PVC pipe. (Sudhaker make)	each	10 nos.		
11	Supply of PVC Bends/box.	each	2 nos.		
12	Labour charges.				
13	Supply of 3 Modular plate with box. (Maru)	each	4 nos.		
14	Supply of Earthing.	each	1 set		
15	Supply of Service wire 2 core.	metre	20.00		
16	Supply of Exhaust fans Heavy duty 12 Inches. (Orient/C.G/Bajaj)	each	1 no.		
		Total of Part II			
		Total of Part I & II			
(Rupees					only)

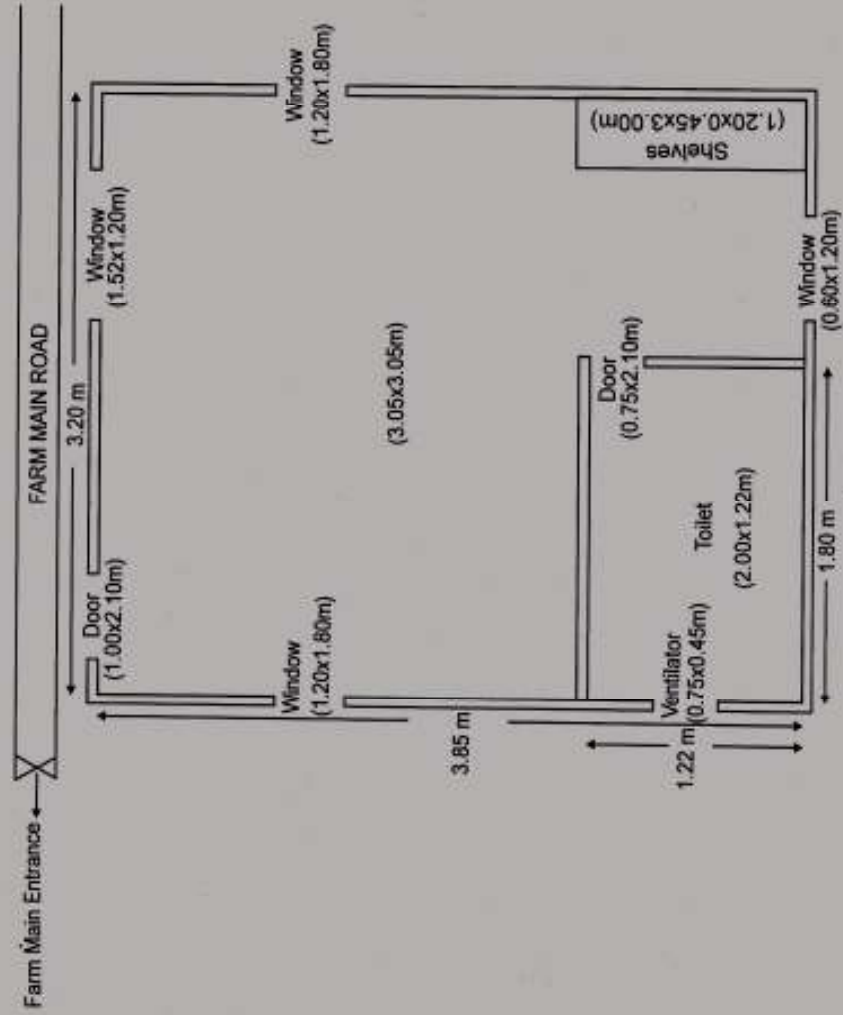
(SIGNATURE OF THE TENDERER)

Name of the Tenderer :

Address :

Telephone No

Line Diagram of Proposed Security room at HRF, CRIDA
(size-4.22x3.51m).



Not to Scale

PLAN