

(REVISED)
CONTRACT FROM THE EXECUTIVE OF WORKS
GOVERNMENT OF THE PUNJAB

PUNJAB BUILDING DEPARTMENT
TENDER/CONTRACT DOCUMENTS

Name of Work: - _____

Name of Contractor: - _____

Estimated Cost of Work Rs:- _____

Amount of Earnest Money Rs:- _____

Deposit at Call No:- _____

Treasury Challan No:- _____

Time Limit:- _____

Stereo LB No, 386 (revised)

Agreement No. -----

Stereo I.B No. 389 (revised)

Stereo I.B No. 28(revised)

Stereo I.B No. 29(revised)

**UNIVERSITY OF AGRICULTURE, FAISALABAD
ITEMRATE TENDER & CONTRACT FOR WORKS**

- 1 Name of work **Strengthening of Amri Research and Development Capabilities in Collaboration with UAF for Fabrication of Cost Effective and Efficient Small Agriculture, Implements for Small Farmer.**
- 2 Estimated cost **PKR: 15.8Million/-**
- 3 Time for completion **Sr. No (06-Months)**
- 4 Amount of Bid Security PKR----- Million (s)
- 5 Issued to -----

- 6 Pre-tender conference -----
- 7 Dead Line for submission of Tender 31-12-2020 up to 11:00am -----
- 8 Opening of Tender 31-12-2020 up to 11:30am-----
- 9 Issued by In charge, Tender Cell, University of Agriculture, Faisalabad.

Signature:-----

Date:-----

OFFICE STAMP

Note: The officer opening the tender shall reject the tender which does not bear the stamp and signature of the issued official and which is not submitted by the same contractor to whom the tender form was issued

**GENERAL DIRECTIONS FOR
THE GUIDANCE OF THE TENDERER**

1. These directions are provided to assist the tenderer in preparing and submitting his tender. The tender shall contain all information and data required to be furnished and shall be prepared and submitted in accordance with the instructions set forth herein.
2. All necessary documents, such as copies of specifications (excluding standard specification books, **MRS Rate (2nd Bi-Annual 2020, Faisalabad)**), contract documents, including bill of quantities, estimated scheduled rates and any other documents required in connection with the preparation of tender or execution of works, signed by the engineer-in-charge will accompany the tender form and the cost of such annexed documents will be reflected in the cost of the tender form.
3. The tenderer will not be reimbursed for any costs of any kind, whatsoever, incurred in connection with the preparation and submission of his tender.
4. No single tender shall include more than one work. A tenderer who wishes to tender for two or more works shall submit tender for each work, separately.
5. The memorandum of work tendered for, and the schedule of materials and equipment to be supplied by the engineer-in-charge and the rates at which they are to be charged for (annexed hereto) shall be filled in the office of the engineer-in-charge before the tender form is issued. At this stage the tenderer should ensure that the tender form so issued is complete in all respects.
6. The tenderer shall note that the ultimate responsibility for the quality of work and its conformity with the specifications and drawings rests solely with the successful bidder whose tender is accepted.
7. The tenderer shall, at his own expense, inspect and examine the site and surroundings and obtain for himself, on his own responsibility, all information that may be necessary for preparing the tender and entering into contract, and shall determine and satisfy himself by such means as he may consider necessary or desirable as to all matters pertaining to the tender. The tenderer shall also satisfy himself before submitting his tender as to the nature of grounds, hydrological and climatic conditions, the form and nature of the site, the nature and lay out of the terrain, the availability of labour, water, electric power and transportation facilities in the area. The tenderer shall specially investigate into the sources of materials to be used for the works and satisfy himself about the quality and quantities of materials available for the completion of the work and the means of access to the site, the accommodation he may require and, in general, shall himself obtain all necessary information, as to the risks, contingencies and other circumstances which may influence or affect his tender. The engineer-in-charge shall not assume any responsibility regarding information gathered interpretation or deduction, which the tenderer may arrive at, from the date that may be furnished with the contract documents.
8. The tenderer shall fill up the Bill of Quantities ITEM WISE RATES which he is willing to undertake each item of work.
9. The tenderer shall quote his own unit rate in the Bill of quantities on which he is willing to undertake each item of work.

10.
 - i. The tender shall work out the amount against each item of work in the Bill of Quantities and will indicate the total amount of his tender (including the cost of Non-MRS items rates for which the rate and amount has already been filled in by the engineer-in-charge in the Bill of Quantities) on which he is willing to complete the works. The total amount worked out in the Bill of Quantities shall be entered by the tenderer in his tender as his tender price for the work. In case of discrepancy between amounts in figures and in words, the amount in words shall prevail.
 - ii. Should any discrepancy be found in the amount of pay items or if a column of amount is found blank after filling in a unit rate, the unit rate filled by the tenderer will be extended in working out of the amount of the tender and the total amount of the bid schedule will be adjusted accordingly.
 - iii. If a unit rate is left blank, but the amount against the item is filled, the unit rate will be worked out on the basis of the amount divided by the quantity of the item shown in the bid schedule.
 - iv. If it is found that the tenderer has not entered any unit rate and amount against any of the pay items of the bid schedule, the engineer-in-charge shall fill in the blanks by noting the word "NIL" In such blanks at the time of opening of the tender. Such pay items shall be deemed to be covered by the rates of other items.
 - v. If the tenderer does not accept the adjusted/corrected amount of tender according to the above provision, his tender shall be rejected and the earnest money forfeited.
11. The tender which proposes any alteration in the works specified in the Bill of quantities or in the time allowed for carrying out the works or any other condition mentioned by the Engineer-in-charge, will be liable to rejection. The tenderer shall sign each and every page of the tender and contract documents, without making any alteration. All enclosures issued with the contract documents, shall be attached with the tender duly signed by the tenderer. Any addition or alteration made after filing the forms shall duly attested by the tenderer. Non-compliance of this condition shall render the tender liable to rejection.
12. The tenderer shall fill in the tender documents, in ink. Errors, if any, shall be scored out, and corrections re-written legibly and attested by the tenderer. Any addition or alteration made after filling the form shall be duly attested by the tenderer. Non-compliance of this condition shall render the tender liable to rejection. Any tender with unattested correction shall be attested by the tenderer in the presence of other tenderers at the time of opening of the tender except that no correction shall be permissible in the rate or amount of the bid schedule or in the tendered price after the opening of the tender.
13. Additional Clause (s) for a particular work shall be typed on separate sheet(s) by the Engineer-in-charge, which will be annexed to the contract documents specifying the number of sheets. The tenderer shall not add or delete any additional clause(s) in the additional clauses sheet (s), provided by the Engineer-in-charge.
14. The quantities mentioned in the Bill of Quantities are estimated quantities, to be used for preparing tenders, and the Engineer-in-charge does not expressly nor by implication agree that the actual amount of works to be performed will correspond therewith. No payment will be made on account of anticipated profits for work covered by the contract which is not performed, nor will any adjustment in the unit rates set forth in the bid schedule be made because of an increase or decrease in the actual quantities from the estimated quantities indicated therein, except as determined in accordance with the provisions of Clause 42 of the general conditions of contract.

15. No tender without earnest money shall be entertained, earnest money, calculated @ 2% of the estimated cost of the work (rounded suitably), shall be in the form of 'deposit at call receipt'. The earnest money of the unsuccessful tenderers shall normally be returned by the Treasurer, UAF within a week of opening of the tenders and in any case not later than sixty (60) days following the date set for opening of tenders. In the event of the tender being accepted, or receipt for the earnest money forwarded therewith, shall thereupon be given to the contractor. The earnest money of the successful tenderer on execution of the contract covering work will be adjusted towards the amount of security deposit to be retained from the first amount (s) payable to the contractor under the contract.
16. The successful tenderer will be required to enter into a contract, furnish the performance security (where-ever required) and to commence the work within the time specified in the memorandum of work. Should the successful tenderer refuse or fail for any reason to enter into contract, or to furnish the performance security or to commence the work within the time specified in the memorandum of work, it should constitute a just cause for the annulment of the award and in the event of such annulment, the entire earnest money shall be forfeited to Government, as compensation for such default.
17. (i) The tender shall be signed by the person (s) duly authorized to do so. In the event of the tender being submitted by a firm, it shall be signed separately by each member thereof, or in the event of the absence of any partner, it shall be signed on his behalf by a person holding a power of attorney authorizing him to do so. Such power of attorney should be produced with the tender and it must disclose that the firm is duly registered under the Partnership Act, 1932, or any other law in force.
(ii) The tender submitted by a joint venture of two or more firms shall be accompanied by a document of formation of the joint venture, duly registered and authenticated by competent court, in which shall be stated precisely, the conditions under which it shall function, its period of validity, the person (s) authorized to represent it and accept it obligate, the participation of several firms forming the joint venture and any other information of necessary to permit a full appraisal of its function.
(iii) A tender submitted by a corporation must bear the seal of the corporation and be attested by its Secretary.
(iv) In all cases, the tender must be signed by an individual or individuals having powers to legally bind the firm, joint venture, corporation or companies on whose behalf they are signing.
18. Each tenderer shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender and of the rates and prices stated in the bid schedule which rates and prices shall, except in so far as it is otherwise expressly provided in the contract, cover all obligations under the contract and all matters and things necessary for the proper completion and maintenance of the works.
19. The tenderer may modify or withdraw his tender after submission, provided that the modification or notice of withdrawal is received in writing by the engineer-in-charge prior to the prescribed deadline for submission of tenders. The tenderer's modification or notice of withdrawal shall be prepared, sealed, marked and delivered, with the inner envelopes additionally marked "MODIFICATION or WITHDRAWAL as appropriate .No tender may be modified subsequent to the deadline for submission of tender. Withdrawal of a tender during the interval between the deadline for submission of

tenders and the expiration of the period of tender validity i.e. sixty (60) days as specified by the tenderer in the Form of Tender may result in the forfeiture of the tender security.

20. The tenderer shall submit the original Tender Documents complete in all respects and keep a copy of the tender for his own record. The original should be sealed in an inner and an outer envelope, duly marking the envelopes as "ORIGINAL". The inner and outer envelopes shall (a) be addressed to engineer-in-charge (b) and bear the following identification: Tender for (Name of Contract), (Reference Number of Tender), and the words "DO NOT OPEN BEFORE (Time and Date, set for opening)". The inner envelopes shall indicate the name and address of the tenderer to enable the tender to be returned unopened in case it is declared to have been received late or is otherwise unacceptable. If the outer envelope is not sealed and marked and instructed above, the Engineer-in-charge will assume no responsibility for the misplacement or premature opening of the tender submitted. A tender opened prematurely because of improper identification will be rejected.
21. The tenderer shall indicate in the space provided in the tender his full and proper address at which notice may be legally served on him and to which all correspondence in connection with his tender and the contract is to be sent.
22. The presentation of a tender implies full acceptance on the part of the tenderer of these instructions and all other conditions set forth in the contract document.
23. Any tender received by the Tender Cell after the deadline for submission of tenders prescribed in the Notice Inviting Tenders will be returned unopened to the tenderer.
24. The Engineer-in-charge or his duly authorized officer (not below the rank of Assistant Engineer) will open tenders in the presence of intending tenderers or their authorized agents, who may be present at the time. The officer opening the tender will announce the names of the tenderer, tender rates and the presence of requisite tender security.
25. Promptly after the opening of Tenders, the Engineer-in-charge will undertake a detailed evaluation of tenders. The Engineer-in-charge will determine whether each tender is substantially responsive to the requirements of the tender documents and conforms to all the terms, conditions and specifications of the tender documents without material deviation or reservation. If a tender is not substantially responsive to the requirements of the tender documents, it will be rejected by the engineer-in-charge and may not subsequently be made responsive by the tenderer having corrected or withdrawn the non-confirming deviation or reservation.
26. Except for information to be read out by the Engineer-in-charge at the time of opening tenders in accordance with Para 23 above, no information relating to the examination, clarification, evaluation and comparison of tenders and recommendations concerning the award of contract shall not be disclosed to tenderers or other persons not officially concerned with such process. Any effort by the tenderer to influence the process of examination, clarification, evaluation and comparison of tenders, and in decisions concerning award of contract, may result in the rejection of his tender.
27. To assist in the examination, evaluation and comparison of tenders, the Engineer-in-charge may ask tenderers individually for clarification of their tenders, including

breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the tender shall be sought, offered or permitted except as required to confirm the correction of arithmetical errors discovered by the Engineer-in-charge during the evaluation of the tender.

- 26 (A) In case the total tendered amount is less than 5% of the approved estimated (DNIT) amount, the lowest bidder will have to deposit additional performance security from the Scheduled Bank ranging from 5% to 10% and so on as under, within 15 days of issuance of notice or within expiry period of bid, whichever is earlier.

TOTAL TENDERED AMOUNT BELOW CORRESPONDING ESTIMATED COST.	ADDITIONAL PERFORMANCE SECURITY.
5%	5%
6%	6%
7%	7%
8%	8%
9%	9%
10%	10%
And so on	And so on

27. The Engineer-in-charge shall have the right of the rejecting all or any of the tenders without assigning any reason thereof. The Engineer-in-charge will not be bound to award the contract to the lowest or to any other tenderer.
28. The unit rates and prices entered in the bid schedule will be the rates at which the contractor will be paid (subject to the adjustment specified in clause 55 of the annexed conditions) and shall be deemed to include all costs of performing the work, including income tax, super tax and/or other charges, duties and taxes of the Government, autonomous, semi-autonomous and local bodies, profits and costs of accepting the general risk, liabilities and obligations set forth in or implied from the contract.
29. Prior to the expiration of the period of tender validity (60 days) prescribed in the Tender Form or any extension thereof that may have been granted by the tenderer, the Engineer-in-charge will notify the successful tenderer by cable and confirm in writing by registered letter that his tender has been accepted. This letter of acceptance shall name the sum which will be paid in consideration of the execution, completion and maintenance of the works as prescribed in the contract, (hereinafter called the contract price). The notification of award will constitute the formation of the contract.
30. At the time, the Engineer-in-charge notifies acceptance of the tender to the tenderer he will send the tenderer the Form of Agreement provided in the tender documents, incorporating all agreements between the parties. Within fifteen (15) days of receipt of the of Agreement, the successful tenderer shall furnish the performance security (10% of the Contract Price) and sign the contract in the presence of the Engineer-in-charge.
31. After the successful tenderer has signed the -contract furnished adequate performance security the Engineer-in-charge will notify to the un-successful tenderers that they were unsuccessful.
32. The completion period will be reckoned from the date of delivering the award or the handing over of the site to the contractor, whichever is later.
33. A copy of the contract agreement may be obtained by the contractor at his own cost.

TENDER FOR WORK

To

The Incharge, Tender Cell

Dear Sir,

I/We.....

(Name of the contractor)

The undersigned tenderer, having examined the conditions of contract, specification, drawing bid schedule and addenda Nos..... there to, for the work of

.....

(Name of the work)

and the works associated therewith, and having examined the site of the above named works, or having caused the site to be visited OR our behalf by my/our competent and reliable agent, and having satisfied myself/ourselves as to all conditions under which the above named work must be performed, hereby offer to execute, complete and maintain the whole of the above mentioned work including its ancillary works associated therewith, in accordance with the said contract documents, including the addenda indicated above, at tender price of Rs. (Rupees).....

Or such other sums as may be ascertained in accordance with the said conditions of contract and the rates, and the prices set forth in the bid schedule.

- 2. As security for the due performance of the undertaking and obligations of this tender, I/We submit herewith a deposit at call receipt No..... dated. In the amount of Rs.....(Rupees.....from..... the.....BankBranch) drawn in favor of Treasurer UAF as earnest money, the full value of which will be absolutely forfeited to Government, without prejudice to any other rights or remedies of the said *Government*, should I/We withdraw or modify' the tender within its validity period of sixty (60) days, following the date of receipt of tender.
- 3.I/We understand that if my/our tender is accepted, the foil value of the earnest money as attached with the tender shall be detained by University towards the amount of security deposit specified in clause 48 of the said conditions of contract and item (d) of the Memorandum of work.
- 4. Should this tender be accepted by you; I/We hereby undertake: -
 - (a) To sign ail the necessary documents for entering into a contract agreement in the form set out In the contract document within fifteen (15) days following your notification of such acceptance.
 - (b) To commence the work within the stipulated time named in item (f) of memorandum hereto annexed following the date of issuance of your order to proceed with or the handing over of the site, whichever is later and in the event of my/our failure to do so, the entire amount of earnest money deposited by me/us for which deposit at a call receipt is enclosed herewith, is to be absolutely forfeited to the University. On the commencement of work, I/We hereby also agree to abide by and fulfill all the terms or provisions of the said conditions of the contract annexed hereto so far as applicable and in default thereof, to forfeit and pay to the University the sums of money mentioned in the said conditions.
 - (c) To complete and deliver the whole work comprised in the contract within the time stipulated in item No. (g) of the Memorandum hereto annexed, subject to such extension in the time limit as may be granted under the conditions of contract.
 - (d) the furnishing of performance security under item (h) of the memorandum annexed hereto, in the sum equal to 10 (ten) percent of the cost of the work in same form sum equal to 10 (ten) percent of the cost of the work in the same form and on the same condition as are prescribed by and to the satisfaction of the Engineer-in-charge.
- 5. I/We also agree that when materials and/or equipment for the work are provided by the t, the rates to

- be paid for them shall be as provided in Appendices annexed hereto.
6. I/We agree to abide by this tender for the period of sixty (60) days following the date set for receiving of tenders and it shall remain binding upon me/us and may be accepted by you at any time before the expiration of that period.
 7. Unless and until a formal agreement is prepared and executed, this tender, together with your written acceptance thereof, shall constitute a binding contract between us, and shall be deemed for all purposes to be the contract agreement.
 8. I/We understand that you are not bound to accept the lowest or any tender you may receive, and that you will not defray any expenses incurred by me/us in tendering.

Thanking you,

Yours faithfully,

(Signature of Tenderer)

Dated thisDay

NAME.....

Of20...

*Address.....

I hereby accept the above tender on behalf of the Government.

(Signature of Incharge, Tender Cell)

MEMORANDUM OF WORK

- a) General Description **Strengthening of Amri Research and Development Capabilities in Collaboration with UAF for Fabrication of Cost Effective and Efficient Small Agriculture, Implements for Small Farmer.**
- b) Estimated Cost **PKR: 15.8Million/-**
- c) Amount of earnest money to accompany the tender (to be furnished by the tenderer in the shape of “deposit at call” from a scheduled Bank of Pakistan) **Rs. 3,15,128/-**
- d) Percentage of security deposit to be retained from the bills.
- i) On the amount of work done up to Rs.5.0 million Ten (10) percent
- ii) On the amount of work done beyond Rs.5.0 million. Five (5) percent
- e) Mobilization period Fifteen (15) calendar days
- f) Time allowed for completing the work after the expiry of mobilization period -----calendar months
- g) Amount of performance security in the form of Bank Guarantee (see contract conditions clause 7 and General direction 26 (a)) Five (05) percent of the accepted tender price in the case of tenders with cost of exceeding Rs.50.00 million and as per general condition 26(a) for all tenders.
- h) : Time period of maintenance (after the if issuance of certificate of completion) One Year
- i) **No Cost Escalation in the project**

SUMMARY OF COST

**STRENGTHENING OF AMRI RESEARCH AND DEVELOPMENT
CAPABILITIES IN COLLABORATION WITH UAF FOR
FABRICATION OF COST EFFECTIVE AND EFFICIENT SMALL
AGRICULTURE, IMPLEMENTS FOR SMALL FARMER.**

S/N	DESCRIPTION	AMOUNT (Rs)
1	(Civil Work)	
2	(Repair and Renovation Lab)	
3	(Water Supply and Sewerage System)	
4	(Electrical Work)	
5	Add 5% PRA	
6	Grand Total :	
	IN MILLION	

**STRENGTHENING OF AMRI RESEARCH AND DEVELOPMENT CAPABILITIES IN COLLABORATION WITH
UAF FOR FABRICATION OF COST EFFECTIVE AND EFFICIENT SMALL AGRICULTURE,
IMPLEMENTS FOR SMALL FARMERS.
D.N.I.T. (Civil Work)**

Sr. No.	MRS. Item. No.	Description. MRS Rate (2nd Bi-Annual 2020, Faisalabad).	Unit.	Quantity.	Rate.	Rate Quoted by the Contractor.	Amount.
1.00	ch.3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m).b) in ordinary soil.	1000 Cft.	13561.00	7687.15		
2.00	ch.6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	100Cft.	698.50	17731.35		
3.00	ch.6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (d) Ratio 1: 4:8	100Cft.	670.00	13780.20		
4.00	ch.6/3	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:- (d) Ratio 1: 6:12	100Cft.	645.85	11996.40		

5.00	ch.6/6	(a) (i) Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (c) Type B (nominal mix 1: 1½: 3)	Per Cft	926.25	401.20		
6.00	ch.6/6	(a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (2) Type B (nominal mix 1: 1½: 3)	Per Cft	785.90	294.60		
7.00	ch.6/6	(a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)	Per Cft	753.00	268.05		
8.00	ch.6/6	(a)(ii) Reinforced cement concrete in slab of rafts / strip foundation, base slab of column and retaining walls; etc and other structural members other than those mentioned in 5(a) (i) above not requiring form work (i.e. horizontal shuttering) complete in all respects:- (3) Type C (nominal mix 1: 2: 4)	Per Cft	243.00	268.05		

9.00	ch.6/9	Fabrication of mild steel reinforcement for cement concrete,including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)	100 Kg	18111.00	15294.60		
10.00	ch.7/4	Pacca brick work in foundation and plinth in:- i)Cement, sand mortar:- Ratio 1:5	100 Cft.	5822.76	21319.10		
11.00	ch.6/33	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coating :- (a) with one coat bitumen and one coat polythene sheet 500gauge. ii) 2" thick(50 mm)	100 Sft.	712.50	5521.60		
12.00	ch.7/5	Pacca brick work in ground floor:- i) cement, sand mortar:-Ratio 1:5	100 Cft.	6420.00	22876.15		
13.00	ch.7/5	Pacca brick work in First floor:- i) cement, sand mortar:-Ratio 1:5	100 Cft.	1320.00	23836.60		
14.00	ch.7/7	Pacca brick work other than building upto 10ft.(3 m) height. i) cement, sand mortar:- Ratio 1:5	100 Cft.	2692.00	22082.45		
15.00	ch.3/15	Filling, watering and ramming earth under floors:- i) with surplus earth from foundation, etc.	1000 Cft.	20000.00	3685.45		
16.00	ch.3/15	Filling, watering and ramming earth under floors:- ii) with new earth excavated from outside,lead upto 10 mile.	1000 Cft.	4661.75	16635.20		

17.00	ch.10/3	Providing, laying, watering and ramming brick ballast 1½" to 2"(40 mm to 50 mm) gauge mixed with 25% sand, for floor foundation, complete in all respects.	100 Cft.	1526.42	5314.30		
18.00	ch.10/22	1½"(40 mm) thick mosaic flooring, consisting of ½ "(13 mm) mosaic topping of one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over 1"(25 mm) thick floor of 1:2:4 cement concrete, including rubbing and polishing complete with finishing :- (a) using grey cement	100 Sft.	5019.50	11929.95		
19.00	ch.10/39	Mosaic dado or skirting with one part of cement and marble powder in the ratio of 3:1 and two parts of marble chips, laid over ½"(13 mm) thick cement plaster 1:3, including rubbing and polishing, complete with finishing: (a) using grey cement: i) 3/8"(10 mm) thick	100 Sft.	421.00	12201.00		
20.00	ch.10/42	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels a) Size 1½" x 3/8" (40 x 10 mm)	Per Rft.	3262.68	9.25		
21.00	ch.11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick	100 Sft.	17039.30	2813.45		
22.00	ch.11/18	Cement pointing struck joints, on walls, upto 20' (6.00 m) height:- b) ratio 1:3	100 Sft.	12102.00	2207.95		
23.00	N.S	Providing Lifting and placing of pre-cast R.C.C Double-T Roofing at site complete in all respect. (Izhar, Banu Mukhtar, Gondal.).	P. Sft	4902.88	325.00		

24.00	ch.9/35	Providing and laying roof insulation, comprising of single layer of tiles 9"x4½"x1½" (225x113x40 mm) grouted with cement sand mortar 1:3 laid over 2" (50 mm) thick earth (including mud plaster) over thermopore sheet, over polythene sheet 300 gauge over a layer of bitumen,complete in all respects:-ii) Thermopore sheet ¾ " (20 mm) thick	100 Sft.	4661.75	9220.45		
25.00	ch.9/15	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	No.	12.00	550.10		
26.00	ch.9/16	Bottom Khuras of brick masonry in cement mortar 1:6, 4'x2'x4½" (1200x600x113 mm) over 3" (75 mm) cement concrete 1:4:8.	No.	12.00	958.65		
27.00	ch.9/17	Plain galvanized iron sheets 22 SWG rain water down pipe including clamp and fixing in position. a) 4" (100 mm) diameter down pipe	P. Rft.	180.00	203.40		
28.00	ch.9/21	Rain water down pipe cast iron head fixed in place, including cost of clamp holdfast and painting.	No.	12.00	586.40		
29.00	ch.9/22	Shoes, bends or offsets for cast iron rain water down pipe,including fixing and painting.	No.	12.00	339.65		
30.00	ch.25/37	Providing and fixing 24 SWG G.I. sheet rolling shutter, consisting of steel frame of M.S. channel 2"x1¼"x1/8" (50x30x3 mm), angle iron 1½"x1½"x1/8" (40x40x3 mm), M.S. plate 1'x1'x1/8" (300x300x3 mm), G.I. pipe 1½" (37 mm) dia, springs 2' (600 mm) centre to centre, rollers, 24 SWG G.I. covering 1 ft. x 1 ft. (300x300 mm), handles, holdfast, and painting three coats, complete in all respects.	P.Sft	520.00	307.10		

31.00	ch.25/31	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and 3/4" (20 mm) square bars 4" (100 mm) centre to centre, with locking arrangement.	P.Sft	112.00	1208.30		
32.00	ch.12/50	Providing and fixing 1½" (40mm) thick solid flush door shutter (Approved Factory Manufactured) with commercial ply (5 mm thick) on both sides double pressed and deodar wood lipping 1½"x3/8" (40mm x 10mm) around shutter including chromium plated fitting, iron hinges with aluminum kick plate 22 SWG on both sides & finger plate complete in all respect.	P.Sft	182.00	386.15		
33.00	ch.25/53	Providing and fixing all types of glazed aluminum windows of anodized champagne colour partly fixed and party sliding using deluxe section of approved manufacturer having Frame of size 100mm x 30mm using frame at bottom, at top and side leaf leaf frame sections of 60mm x 23mm at top & bottom and size 45mm x 25mm at center and size 45mm x 25mm at sides, Jali leaf frame size 43mm x 13mm i/c fine quality aluminum jali, 5mm thick imported tinted glass with rubber gasket using approved standard latches, wheel, stopper, brush channel angle joint and hardware etc. complete in all respect. b) 2 mm thick	Per Sft	89.00	778.90		

34.00	ch.12/54	Providing and fixing M.S. flat ½"x1/8" (13mm x 3mm) grill including ¾" x 1/8" (20 mmx3 mm) M.S. flat frame, in windows of approved design, including painting three coats, complete in all respects.	P.Sft	89.00	272.80		
35.00	ch.11/22+23	Priming coat of chalk under distemper. Distempering:- a) new surface:- iii) three coats	100 Sft.	17039.40	975.65		
36.00	ch.11/24	Colour washing:- a) new surface:- ii) two coats	100 Sft.	12102.00	334.45		
37.00	ch.13/5	Painting new surface:- c) Preparing surface and painting of doors and windows any type (including edges):- 3 Coat.	100 Sft.	1423.00	1750.60		
38.00	ch.4/29	Dismantling brick or flagged flooring without concrete foundation.	100 Sft.	8955.00	618.45		
39.00	ch.18/3	a) Providing and laying sub-base course of stone product of approved quality and grade, including placing, mixing, spreading and compaction of sub-base material to required depth, camber, grade to achieve 100% maximum modified AASHO dry density, including carriage of all material to site of work except gravel and aggregate.ii) Crushed stone aggregate.	100 Cft.	4031.28	8287.78		

40.00	ch.10/43	Providing and laying Tuff pavers, having 7000 PSI, crushing strength of approved manufacturer, over 2" to 3" sand cushion i/c grouting with sand in joints i/c finishing to require slope . complete in all respect. (50% Grey / 50% Coloured) b) 60-mm thick	Per Sft.	12216.00	110.25		
		Total:					

**STRENGTHENING OF AMRI RESEARCH AND DEVELOPMENT CAPABILITIES IN COLLABORATION WITH
UAF FOR FABRICATION OF COST EFFECTIVE AND EFFICIENT SMALL AGRICULTURE,
IMPLEMENTS FOR SMALL FARMERS.
D.N.I.T. (Electrical Work)**

Sr. No.	Item. No.	Description.	Unit.	Quantity.	Rate.	Rate Quoted by the Contractor.	Amount.
1	Ch No. 24 item No. 3- iii	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. (i) (1"-dia) From DB to lights poles	rft	250.00	56.00		
	Ch No. 24 item No. 6-i	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches For main service from Busbar (ii) (2"-dia)	rft	100.00	101.15		
2	Ch No. 24 item No. 10a-i	Supply and erection of single core PVC insulated copper conductor cables, in prelaidd PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (i) (3/0.029")	rft	2400.00	12.75		
	Ch No. 24 item No. 10a-iii	(ii) (7/0.029")	rft	1200.00	17.00		

	Ch No. 24 item No. 10a-v	(iii) (7/0.044")	rft	300.00	33.60		
3	Ch No. 24 item No. 13-c-vi	Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (7/0.064")	rft	450.00	272.80		
4	Ch No. 24 item No. 39-i	S/E of Button Holder baklite large size	rft	36.00	33.25		
5	E-1047	S/E fitting of 10 AMP 2 gang 1 way switch clipsal made	No	8.00	406.00		
6	E-1052	S/E fitting of 10 AMP 6 gang 1 way switch clipsal made	No	12.00	989.00		
7	E-1057	S/Fitting of 13 AMP switch socket clipsal made	No	15.00	561.00		
8	E-1044	Supply and fitting of ceiling Fan 56" copper (energy efficient G.F.C saphire model	No	16.00	4840.00		
9	E-1022	Supply and fitting of Exhaust Fan 10" copper plastic body (Energy Efficient Model) G.F.C or Equivalent made NEECA/PEECA Approved	No	4.00	2818.00		
10	E-1012	Supply and Fitting of LED Bulb 12 watt Philips made	No	36.00	324.00		
11	Ch No. 24 item No. 45	Supply and erection of girder clamp hook, 16 mm (5/8") with M.S. plate 25x6 mm (1"x1/4"), with bolts and nuts for hanging & ceiling fans.	No	16.00	164.70		

12	Ch No. 24 item No. 30	Supply and erection of ceiling rose, bakelite.	No	24.00	42.40		
13		S/E of BDB Box (15"x20") size 16 SWG i/c one No. MCCB 100 AMP T/P 6 No. C/B 6-32 AMP s/p Indicating lights R.g.y complete in all respects	No	1.00	27594.00		
14	E-1011	S/E of LED Flood lights 100 watt (IP65 BV172 Philips made) 3+3+3+3=12	No	4.00	23010.00		
		Total					

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COLLABORATION WITH UAF FOR FABRICATION OF COST EFFECTIVE AND
EFFICIENT SMALL AGRICULTURE, IMPLEMENTS FOR SMALL FARMERS.
D.N.I.T. (Public Health Work)**

Sr. No.	Item. No.	Description.	Unit.	Quantity.	Rate.	Rate Quoted by the Contractor.	Amount.
1	ch.23 item 27-C	Providing, laying, cutting, jointing, testing and disinfecting pipe line in trenches with P.V.C. pipes of B.S.S. with `D"Class working pressure complete in all respects 4" dia	P.RFT	80.00	352.70		
2	ch.23 item 37-ii-e	Providing and installing P.V.C. bends, of B.S.S.ii) Class `D' working pressure:e) 4" i/d (100 mm)	each	10.00	560.00		
3	N.S171 item 5	P/Fixing Glazed P-Trap 4" size with fitting material 3 star made as approved site Engineer	each	6.00	1124.00		
4	N.s 1410 item ph-27	P/Fixing PPRC pipe 32mm dadex made master/faisal made as approved site Engineer	p.rft	72.00	145.00		
5	N.s 1410 item ph-25	P/Fixing PPRC pipe 25 mm dadex made master/faisal made as approved site Engineer	p.rft	16.00	135.00		
6	N.s 1410 item ph-76	P/Fixing Threaded fittings 25mmx1/2" L-bow master/faisal made as approved site Engineer	each	12.00	580.00		

7	N.S 338 item 71	P/Fixing porta couple set super cito with seat cover and thimbe complete (master/faisal made as approved site Engineer)	each	2.00	20000.00		
8	N.S 342-A item 65	P/Fixing Earhen Ware Water Closed orrisa pattren (W,C) 3 star(master/faisal made as approved site Engineer)	each	2.00	3900.00		
9	N.S 1410 item ph-0020	P/Fixing Floor Trape Jali 6"x6" double cover (master/faisal made as approved site Engineer)	each	4.00	570.00		
10	N.S 1410 item ph-0024	P/Fixing Super Tuff Tanki 500 gallon Capacity black clour including cost of necessary fittings (master/faisal made as approved site Engineer)	each	1.00	37000.00		
11	N.S 1410 item ph-112	P/fixing of Handle Cock 1½" dia faisal made (master/faisal made as approved site Engineer)	each	3.00	1700.00		
12	N.S 1410 item ph-110	P/fixing of Handle Cock ¾" dia faisal made (master/faisal made as approved site Engineer)	each	2.00	560.00		
13	ch.23 item 22 -ii-b	Providing, laying, cutting, jointing, testing and disinfecting . Cost of sockets, tees, elbows, G.I. pipeline in trenches, with socket joints, using G.I. bends, valves, crosses, unions and pipes of B.S.S. 1387-1967 complete in all respects, with ii) Medium Quality(e) ¾" i/d (25 mm) 3.25mm thick	p.rft	178.00	123.95		

14	ch.23 item 41-i	Making connection for new watersupply lines with the The rate includes the component of running main, including excavation of trench and refilling, bailing out water from the trench complete, but excluding cost of pipe and specials, etc. and cutting of existing pipe line. upto 6" i/d (150 mm)	p.connection	1.00	2078.35		
15	N.s 1410 item ph-005	Providing and fixing Double Bib Cock 1/2" dia with p/c Master Made(master/faisal made as approved site Engineer)	each	2.00	2370.00		
16	N.s 1410 item ph-001	Providing and fixing Bib Cock 1/2" dia powder coated Master Made(master/faisal made as approved site Engineer)	each	2.00	1145.00		
17	N.s 342-A item 52	Providing and fixing Side Pillar Cock (master/faisal made as approved site Engineer)	each	4.00	3200.00		
18	N.s 338 item ph-69	Providing and fixing Wash Hand Basin with Pedestal porta made(master/faisal made as approved site Engineer)	each	4.00	7000.00		
19	N.s 1410 item ph-003	Providing and fixing Tee Cock 1/2" dia with powder coated Master Made(master/faisal made as approved site Engineer)	each	8.00	1135.00		
20	N.S 342-A item ph-67	P/f of Flushing Cistern 3 gallon capacity Tanki (master/faisal made as approved site Engineer)	each	2.00	4170.00		
21	N.S 1410 item ph-0015	P/f of Bath Accessories set 7 peaces Master Made(master/faisal made as approved site Engineer)	each	4.00	5174.00		
22	Ns.1410 item ph-123	P/Fixing C.p NIPPLE 1/2"X2"(master/faisal made as approved site Engineer)	each	16.00	180.00		

23	ch.24 item 39	Cutting hole 4"x6" (100x150 mm) in stone masonry or brick wall with chisel, repairing masonry and removing debris within one chain lead	each	12.00	296.25		
24	N.s 1410 item -ph-77	P/Fixing threaded elbow 32mmx3/4"(master/faisal made as approved site Engineer)	each	1.00	1800.00		
25	ch.19 item r- 4-ii	Providing and fixing, flushing bend of PVC 4 cm (1½")	each	2.00	119.05		
26	ch.19 item r- 8-i	P/Fixing Floating Valve ½" dia	each	2.00	247.25		
27	ch.3 item 42-i	Earthwork excavation in open cutting for sewers and manholes as shown in drawings including shuttering and timbering, dressing to correct section and dimensions according to templates and levels, and removing surface water, in all types of soil except shingle, gravel and rock(i) 0 ft. to 7.0 ft. (0 to 2.10 m) depth	%0cft	1270.00	6370.75		
28	ch.21 item 1-iii	Providing and laying R.C.C. pipe, moulded with cement concrete 1:1½:3, with spigot socket or collar joint, etc. including cost of reinforcement, conforming to B.S. 5911: Part I: 1981, Class "L" including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing, cutting pipes where necessary, finishing and testing, etc., complete 9" dia	p.rft	100.00	367.20		

29	ch.6 item 5-i	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate 1:4:8	%cft	30.28	17731.35		
30	ch.6 item 5-F	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate 1:2:4	%cft	45.42	22080.15		
31	ch.7 item 7-i	Pacca brick work other than building upto 10ft. (3 m) height 1:4 ratio	%cft	157.50	22538.45		
32	ch.11 item 8-b	cement sand plaster 1:3 ratio 1/2" thick	%sft	255.00	2203.95		
33	ch.11 item 8-c	cement sand plaster 1:3 ratio 3/4" thick	%sft	165.00	2912.70		
34	ch.6 item 9b	Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):(b) Deformed bars (Grade-40	%kg	29.70	15294.60		
35	ch.6 item 6a 3-c	Reinforced cement concrete in roof slab, beams columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast 3) This item shall not be applicable in situ, complete in all respect c) 3c type 1:2:4	p.cft	22.32	374.75		

36	ch.21 item 15-A	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame set set weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect	each	3.00	8930.15		
37	ch.3 item 13-i	Rehandling of earthwork Lead upto a single throw of Kassi, phaorah or shovel	%0cft	1143.00	1818.95		
38	N.s 1410 item ph-115	Sewerage Connection existing man hole to main line etc	each job	1.00	1200.00		
		Total					

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D.N.I.T. (R/R OF LABS)

Sr. No.	Item. No.	Description.	Unit.	Quantity.	Rate.	Rate Quoted by the Contractor.	Amount.
1	Ch. 4/48	Removing cement or lime plaster.	100 Sft.	2185	303.15		
2	Ch. 11/9	Cement plaster 1:4 upto 20' (6.00 m) height:- c) ¾" (20 mm) thick	100 Sft.	2686	2813.45		
3	Ch. 13/32A	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:	100 Sft.	2800	2918.25		
4	Ch. 11/23	Distempering:- b) old surface:- ii) two coats	100 Sft.	3420	438.3		
5	Ch. 13/4	Painting old surfaces:-c) Painting doors and windows, any type:i) Two Coats	100 Sft.	1040	1086.15		
		Total					