

(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

ITEM RATE TENDER & CONTRACT FOR WORKS

1	Name of work	(i)Repair and Maintenance of Glass House (06 No) size 28'x18' at Main Campus UAF (ii)Repair and Maintenance of Mesh House (Mango) size 180'x60' center height 15 with Nylon mesh at Main Campus UAF (iii)Repair and Maintenance of Mesh House (II) (Citrus Plant) size 180'x60' center height-15 at UAF (iv)Upgrading of Shade Houses back side of Glass house at Main Campus, UAF (v)Upgrading of Shade Houses front side of Glass House at Main Campus, UAF
2	Estimated cost	PKR: (i)8.385 M/-, (ii)6.495M/-,(iii)5.433 M/-, (iv)0.467 M/-,(v)0.2525 M/-
3	Time for completion	Sr# 01 to 03 (06-Months) Sr# 04 to 06 (03-Months)
4	Amount of Bid Security	PKR----- Million (s)
5	Issued to	-----
6	Pre-tender conference	-----
7	Dead Line for submission of Tender	30-11-2021 up to 10:00am -----
8	Opening of Tender	30-11-2021 up to 10:30am-----
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 2021, 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

21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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 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 / Bank Guarantee 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 all 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 | <p>(i) Repair and Maintenance of Glass House (06 No) size 28'x18' at Main Campus UAF</p> <p>(ii) Repair and Maintenance of Mesh House (Mango) size 180'x60' center height 15 with Nylon mesh at Main Campus UAF</p> <p>(iii) Repair and Maintenance of Mesh House (II) (Citrus Plant) size 180'x60' center height-15 at UAF</p> <p>(iv) Upgrading of Shade Houses back side of Glass house at Main Campus, UAF</p> <p>(v) Upgrading of Shade Houses front side of Glass House at Main Campus, UAF</p> |
| b) | Estimated Cost | <p>PKR: (i) 8.385 M/-, (ii) 6.495 M/-, (iii) 5.433 M/-, (iv) 0.467 M/-, (v) 0.2525 M/-</p> |
| 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) | <p>Rs. (i) 251,550/-, (ii) 194,850/-, (iii) 162,990/-, (iv) 14,010/-, (v) 7,575/-</p> |
| 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) | Time allowed for completing the work after the expiry of mobilization period | -----calendar months |
| f) | 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. |
| g) | Time period of maintenance (after the issuance of certificate of completion) | One Year |

No Cost Escalation.

SUMMARY OF COST

REPAIR AND MAINTENANCE OF GLASS HOUSE (06 NO) SIZE 28'X18' **AT MAIN CAMPUS UAF**

Sr#	Description	Amount
01	Civil Work	
02	Mechanical Work	
	Total	
	Add 5% PRA	
	Total	

REPAIR AND MAINTENANCE OF GLASS HOUSE (06 NO) SIZE 28'x18'x AT UAF.

**D.N.I.T
Civil Work**

Sr. No.	Ref. No.	Description.	Unit.	Quantity.	Rate. 2nd BI-ANNUAL-2021 Faisalabad.	Rate Quoted by the Contractor	Amount (Rs.)
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad							
1	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.	900.00	8395.20		
2	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.	975.00	5574.60		
3	ch.7/4	Pacca brick work in foundation and plinth in:-i)Cement, sand mortar:- Ratio 1:5	100 Cft.	400.00	24132.95		
4	ch.6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	100 Cft.	69.61	25423.20		
5	ch.10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (e) 2"(50 mm) thick	100 Sft.	3000.00	6,076.25		

6	ch.11/9	Cement plaster 1:4 upto 20' to 30' height:- b) 1/2" (13 mm) thick Cement sand mortar	100 Sft.	1800.00	2389.9		
7	ch.7/30	Supplying and filling sand under floor; or plugging in wells.	100 Cft.	300.00	2250		
8	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.80-mm thick	Per Sft	550.00	133.00		
9	ch.6/9b	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):- Deformed bars (Grade-40)	100kg	150.00	20020.45		
10	ch.6/6a3	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:- Type C (nominal mix 1: 2: 4)	Per Cft	50.00	421.60		
		Total:					

REPAIR AND MAINTENANCE OF GLASS HOUSE (06 NO) SIZE 28'x18'x AT UAF.

**D.N.I.T
Mechanical Work**

Sr. No.	Description.	Unit.	Quantity.	Rate. 2nd BI-ANNUAL-2021 Faisalabad.	Rate Quoted by the Contractor	Amount (Rs.)
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad						
1	P/F of cooling pad imported size cooling pads, size approx length- 27'× height-3'.25 × thickness 4" for 06 No glass houses, complete in all respect.	SFT	528	610/-		
2	P/F of Best quality fiber tank (Durra) or equivalent double ply water tank 300 gallons with platform, concrete 1:3:6 thick 4" with side wall brick work for 06 No glass houses, complete in all respect.	No	06	26000/-		
3	P/F Mesh frame with SS mesh for ventilators on both side for 06 No glass houses, complete in all respect.	No	60	4000/-		
4	P/F shading net(local made) capacity 70% for inside glass houses, size green net length- 25'× width- 16' with G .I wire No.14 for holding of green	No	06	17500/-		

	net. G.I sling wire 3mm for rolling of green net with adjustable G.I hock for 06 No glass houses, complete in all respect.					
5	P/F Mono Block water pump with motor 1 HP, single phase with GI pipe with check valve with M.S frame with cover with 7/29 cable with PVC pipe, Complete in all respect.	No	06	58000/-		
6	P/F Propellers (Exhaust fans) China Made Size: Diameter 930 mm, Body size: 1050x1050x400 mm material galvanized steel. Six blades, motor, III phase, 1450 RPM. Belt drive, complete with shutter and mesh guard with cable 7/29 with PVC pipe, Fan shutters tightly closed when the fan is not working with GI nut bolts and spacer, complete in all respect.	No	12	44500/-		
7	P/F LED Light imported 50 w (Philips) inside the glass house with PVC pipe with wiring 3/29 cable, complete in all respect.	No	36	25000/-		
8	P/F Electric panel size, 600x450x200 mm (MS sheet 18 SWG) main MCB 50 AMP and 04 No breaker 20 AMP three poll and 04 No breaker 20 AMP single poll, 12 No breaker 13 AMP single poll with 24 hour timer with ampere meter, volt meter, indication lights with all circuit breakers imported	No	06	68000/-		

	with powder coating paint, complete in all respect.					
9	P/F Humidity system (Imported) for creates humidity 60 to 80% in glass house with fogging nozzle with humidity auto controller with PP filter and delivery system with fogging pipe UV resident with pump motor I or III phase Imported with cover with water tank 200 liters for 06 No glass houses, complete in all respect.	Job	02	360000/-		
10	P/F single leaf sliding door 6' .5" x 5' Material frame hollow section size, 60×30×1.5mm, with lock system, wheel, bearing with 5mm glass with one coat of red oxide primer and two coat of enamel paint, complete in all respect.	No	03	21800/-		
11	P/F Electric Heater, Thermostat control automatic overheat protection. Function Adjustable, thermostat temperature control with automatic safety with 7/29 cable with PVC pipe, complete in all respect.	Job	06	179000/-		
12	P/F Brocken glass replace with 5 mm clear glass for glass houses , size of glass (approx) 26" x 36" with all fitting silicon sealing, rubber, complete in all	SFT	200	220/-		

	respect.					
13	P/F G I canopy Sheet thickness 24 SWG size, 28'x6"x6" For top, Complete in all respect.	No	06	8000/-		
14	P/F 32 mm PPR water pipes, of approved quality & make including all fittings, fixtures etc. excavation upto 3' depth, back filling, compaction and making connections with existing lines or where ever required complete in all respect.	RFT	150	245/-		
15	P/F 25 mm PPR water pipes for branch line , of approved quality & make including all fittings, fixtures etc. excavation upto 3' depth, back filling, compaction and making connections with existing lines or where ever required complete in all respect.	RFT	60	185/-		
16	P/F full way bronze PPRC valves 32 mm including jointing arrangements with the pipe complete in all respect.	No	02	4500/-		
17	P/F full way bronze PPRC valves 25 mm including jointing arrangements with the pipe complete in all respect.	No	08	2800/-		

18	Dismantle & removing of fans, electric wire, cooling pads and broken glasses, table trays system, humidity system and other un functional items, complete in all respect.	Job	06	50000/-		
19	Repairing of glass house main structure, damage part welding and grinding of MS hollow section without use new material, with two coats enamel paint, complete in all respect.	Job	06	150000/-		
20	Repairing of cooling pads structure, damage part welding and grinding and new PVC pipe for cooling pad showering with PVC drain pipe with roof pipe, complete in all respect.	Job	06	18500/-		
21	Repairing and over haling of both side ventilators system and change the handle, hocks, complete in all respect.	Job	06	20000/-		
22	Repairing and over haling of green net rolling system inside the glass house, bearing shaft complete in all respect.	No	06	9500/-		
23	Repairing and overhauling of sliding door, railing line, roller, handle, lock, complete in all respect.	No	03	6500/-		

24	Repairing of frame (stand) moveable table tray with new MS bar welded on frame for railing line and change the damage part of hollow section with and one coat enamel paint, complete in all respect.	No	06	15500/-		
25	Repairing and overhauling of moving wheels with tray frame replace the old bearing, lock with new, cutting, welding and grinding and attached old frames with one coat enamel paint, complete in all respect.	Set	30	4500/-		
26	Repairing of color sheet tray, cutting, welding and grinding on damage part and paint on damage part with one coat enamel paint complete in all respect.	No	30	2000/-		
27	Repairing the main bus bar and replace the main MCB with new 200 AMP MCB and repair its door with new lock with one coat enamel paint complete in all respect.	Job	01	25000/-		
28	P/F four core copper conductors shielded insulated 25 mm from main bus bar to 06 No glass houses electric panel, complete in all respect.	Meter	70	2550/-		

GLASS HOUSE CENTER AREA SIZE, LENGTH- 82' X WIDTH- 34'

29	Dismantle & removing GI wire, green net and other un functional items complete in all respect.	Job	01	25000/-		
30	Repairing of glass house center area MS structure, damage part welding and grinding of MS hollow section without use new material, with front and back double door over hauling with handle and lock system with two coats enamel paint, complete in all respect.	Job	01	150000/-		
31	P/F Galvanized wire 2 mm for holding of green net distance center to center (approx) 300 mm, only round side of structure, Complete in all respect.	RFT	4500	5/-		
32	P/F Shading net 70% (local made) for covering top front & back with doors, Complete in all respect	SFT	5000	37/-		
33	P/F Aluminum flat strip for holding green net size 20 × 1.5 mm with aluminum blind rivet, complete in all respect.	RFT	700	40/-		
	Total:					

SUMMARY OF COST

REPAIR AND MAINTENANCE OF MESH HOUSE (MANGO) SIZE 180'X60' CENTER HEIGHT 15 WITH NYLON MESH AT MAIN CAMPUS UAE

Sr#	Description	Amount
01	Civil Work	
02	Mechanical Work	
03	Electric Work	
	Total	
	Add 5% PRA	
	Total	

REPAIR AND MAINTENANCE OF MESH HOUSE (MANGO) SIZE 180'x60'x CENTER HEIGHT-15 WITH GREEN NET AT UAF.

**D.N.I.T
Civil Work**

Sr. No.	Ref. No.	Description.	Unit.	Quantity.	Rate. 2nd BI-ANNUAL-2021 Faisalabad.	Rate Quoted by the Contractor	Amount (Rs.)
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad							
1	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.	400.00	8395.20		
2	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.	150.00	5574.60		
3	ch.7/4	Pacca brick work in foundation and plinth in:-i)Cement, sand mortar:- Ratio 1:5	100 Cft.	325.00	24132.95		
4	ch.6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	100 Cft.	69.61	25423.20		
5	ch.10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (e) 2"(50 mm)	100 Sft.	100.00	6,076.25		

		thick					
6	ch.11/9	Cement plaster 1:4 upto 20' to 30' height:- b) 1/2" (13 mm) thick Cement sand mortar	100 Sft.	1500.00	2389.9		
7	ch.7/30	Supplying and filling sand under floor; or plugging in wells.	100 Cft.	300.00	2250		
8	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.80-mm thick	Per Sft	1000.00	133.00		
9	ch.6/9b	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):- Deformed bars (Grade-40)	100kg	105.00	20020.45		
10	ch.6/6a3	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:- Type C (nominal mix 1: 2: 4)	Per Cft	35.00	421.60		
11	ch.10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (e) 2"(50 mm) thick	100 Sft.	5400.00	6076.25		
		Total:					

ESTIMATE FOR UP GRADING OF SCREEN HOUSE MANGO

(GREEN NET & NYLON MESH)

Size, Length- 180' x width- 60' x Center Height-15'

**D.N.I.T
Mechanical Work**

Sr. No.	Description.	Unit.	Quantity.	Rate. 2nd BI-ANNUAL-2021 Faisalabad.	Rate Quoted by the Contractor	Amount (Rs.)
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad						
1	Dismantle & removal of covering material, wire mesh, strips, sliding doors, GI wires, moveable tray & other un functional items.	Job	01	115000-		
2	P/F nursery tray for plants, size, length-2130 x width-910, tray structure material M.S angle iron size, ± 50x50x4 mm with 2 No horizontal support material MS angle iron size, 38x38x4mm . traytop galvanized mesh thickness ±3 mm, (khana size approx 25 mm) with MS flat strip size, 20x2mm for mesh holding with tray frame material size, 60x30x1.6mm with 04 No wheel , stopper with one coat red oxide and two coats enamel paint, complete	No	54	28500-		

	in all respect.					
3	P/F Front and back side sliding double door size, 10' x 8' material MS hollow section size, 60x30x1.5mm with galvanized mesh with roller, bearing with aluminum strip with handle with one coat red oxide and two coat enamel paint, complete in all respect.	No	02	32500-		
4	P/F green net (local made) shading capacity $\pm 50\%$ for covering the screen house front back, top with switching , complete in all respect .	SFT	15500	27-		
5	P/F 34 No Both side vertical and center support for main structure material Galvanized hollow section size OD-45mm thickness 2 mm with MS top plate with nut bolts, washers, complete in all respect.	RFT	400	426-		
6	P/F 8 No one side horizontal support for main structure material Galvanized hollow section size OD-40mm thickness 1.8 mm with nut bolts, washers , complete in all respect	RFT	160	302-		
7	P/F Galvanized wire 2 mm for holding of green net wire distance khana size, 450 x 305 mm. Complete in all respect.	RFT	23000-	5-		

8	P/F Aluminum flat strip for holding green net size 20 × 1 mm with aluminum blind rivet, complete in all respect.	RFT	1000	40-		
9	P/F Grouting of J bolts size, L-300 mm, thickness 12 mm with thread on bolts. One coat of red oxide for rust proofing with spacer & GI nuts bolts, complete in all respect.	No	20	245-		
10	P/F MS base plate size, L-200 ×w-100 × thickness 4 mm with GI nut bolts and spacer with One coat of red oxide and one coat enamel paint, complete in all respect.	No	34	950-		
11	P/F 18 No GI wire rope 3 mm PVC coated for green net tightness with double side tightness hock clamp, complete in all respect.	RFT	1400	30-		
12	P/F of moving wheel for trolley (4wheels in one set)M.S roller size 100×35×47×32mmwith slot size 13×6×6mm, with double side M.S plate size 100×80×50mm, with Excel carbon steel size 70×20mm with bearing 6204 with lock, with double side spacer OD=26mm ID=20mm, Length=20mm with one coat of red oxide primer and two coat of enamel paint, complete in all respect.	Set	54	4500-		

13	Repairing of damage parts of screen house main structure of MS hollow section cutting welding grinding with small pieces of MS hollow section with two coats of enamel paint on all structure with nut bolts and aluminum blind rivets, complete in all respect.	Job	01	350000-		
14	Repairing of entrance cabin and double door, covering with Galvanized mesh, handle lock system and change the damage part of hollow section with door closer with two coat enamel paint with aluminum strip with blind rivets and nut bolts, complete in all respect.	No	01	75000-		
15	Repairing of frame(stand) moveable table tray with new MS bar size, ½” welded on frame for railing line and change the damage part of hollow section with one coat red oxide and two coats enamel paint, complete in all respect.	No	18	15500-		
16	Repairing of MS frame of tray and change the damage part of hollow section, cutting, welding and grinding with fitting wheels and two coats of enamel paint.	No	54	2500-		

17	Repairing of color sheet tray, cutting, welding and grinding on damage part and paint on damage part, complete in all respect.	No	54	2500-		
18	P/F Plastic/Nylon mesh (Imported) size, 40x40 with stitching for covering screen house with Top, front, complete in all respect.	SFT	15500	93-		
	Total:					

**REPAIR AND MAINTENANCE OF MESH HOUSE (MANGO) SIZE 180'x60'x CENTER HEIGHT-15 WITH NYLON
MESH AT UAF.
D.N.I.T
Electrical Work**

Sr. #	Ref. #	Description of work	Unit	Qty	Rate	Rate Quoted by the Contractor	Amount
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad							
1	Ch. 24 3-iii	S/E of PVC pipe of size 1" dia (25mm) for wiring recessed in wall complete in all respects	rft	800	72.75		
2	Ch. 24 10-a-i	S/E of PVC insulated copper conductor cable in pipe/trenches. 3/0.029" s/core	rft	1499.5	14.45		
3	Ch. 24 10-a-iii	S/E of PVC insulated copper conductor cable in pipe/trenches. 7/0.029" s/core	rft	700	18.75		
4	Ch. 24 10-a-v	S/E of PVC insulated copper conductor cable in pipe/trenches. 7/0.044" s/core	rft	500	35.75		
5	Ch. 24 10-a-vi	S/E of PVC insulated copper conductor cable in pipe/trenches. 7/0.064" s/core	rft	502	80.00		
6	Ch 24 item No. 39-i	S/E of Button holder baklite	No.	6	36.80		
7	E-1014	S/E of LED bulb 19 watt (Philips)	No.	5	1374.00		
8	E-1048	S/E of 2 gang switch kit Clipsal Australia made	No.	2	366.00		

9	E-1050	S/E of 4 gang switch kit Clipsal Australia made	No.	3	669.00		
10	E-1052	S/E of 6 gang switch kit Clipsal Australia made	No.	2	989.00		
11	E-1056	S/E of Universal Plug Clipsal Australia made	No.	2	521.00		
12	E-1057	S/E of power plug Clipsal Australia made	No.	2	561.00		
13	E-0265	S/E of Circuit breaker 6-40 AMP D/pole Terasaki Japan made		2	2305.00		
14	NS-1167-64	S/E of PVC box 3"x3" size N.M china made	No.	8	120.00		
15	NS-1167-65	S/E of PVC box 6"x3" size N.M china made	No.	3	78.00		
16	E-1075	Special Earthing upto 100 ft deep i/c copper rop, copper rod, G.I pipe, Earthing material complete in all respect	rft	98.0	510.00		
17	E-10	P/F of SMD Flood light 100 watt Philips (IP-65 BVP 135)	No.	3	23010.00		
18	Ch . 10 item No. 5	Dry brick paving laid flat, sand grouted, including 100 Sft. 1362.25 5478.10 sq.m 146.60 589.45 24.12 preparation of bed by watering, ramming and bringing the same to proper camber, by ½"(13 mm) thick mud plaster.	%sft	46	5478.10		
19	Ch . 3 item No. 13	Rehandling of eartwork 2'x4'x200'= 1600	"/,cft	200	1980.00		

20	E-1019	Supply and Fitting LED panel 2x2 34 watt RC099V Lumen philips made	No.	1	10135.00		
Total							

SUMMARY OF COST

REPAIR AND MAINTENANCE OF MESH HOUSE (II) (CITRUS PLANT) **SIZE 180'X60' CENTER HEIGHT-15 AT UAF**

Sr#	Description	Amount
01	Civil Work	
02	Mechanical Work	
03	Electric Work	
	Total	
	Add 5% PRA	
	Total	

REPAIR AND MAINTENANCE OF MESH HOUSE (II) (CITRUS PLANT) SIZE 180'x60'x CENTER HEIGHT-15 AT UAF.							
D.N.I.T Civil Work							
Sr. No.	Ref. No.	Description.	Unit.	Quantity.	Rate. 2nd BI-ANNUAL-2021 Faisalabad.	Rate Quoted by the Contractor	Amount (Rs.)
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad							
1	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.	1260.00	8395.20		
2	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.	315.00	5574.60		
3	ch.7/4	Pacca brick work in foundation and plinth in:-i)Cement, sand mortar:- Ratio 1:5	100 Cft.	1275.00	24132.95		
4	ch.6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): Ratio 1: 2: 4	100 Cft.	69.61	25423.20		
5	ch.10/15	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (e) 2"(50 mm) thick	100 Sft.	100.00	6,076.25		

6	ch.11/9	Cement plaster 1:4 upto 20' to 30' height:- b) 1/2" (13 mm) thick Cement sand mortor	100 Sft.	1560.00	2389.9		
7	ch.7/30	Supplying and filling sand under floor; or plugging in wells.	100 Cft.	150.00	2250		
8	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.80- mm thick	Per Sft	500.00	133.00		
9	ch.10/7	Grouting 4½"(113 mm) dry brick work with cement mortar ratio 1: 5	100 Sft.	4800.00	1936.80		
		Total:					

<u>REPAIR AND MAINTENANCE OF MESH HOUSE (II) (CITRUS PLANT) SIZE 180'x60'x CENTER HEIGHT-15 AT UAF.</u>						
D.N.I.T Mechanical Work						
Sr. No.	Description.	Unit.	Quantity.	Rate. 2nd BI-ANNUAL-2021 Faisalabad.	Rate Quoted by the Contractor	Amount (Rs.)
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad						
1	Dismantle & removal of covering material, wire mesh, strips, sliding doors, GI wires & other un functional items.	Job	01	85000-		
2	P/F Front and back side sliding double door size, 10' x 8' material MS hollow section size, 60x30x1.5mm with roller, bearing with aluminum strip with handle with one coat red oxide and two coat enamel paint, complete in all respect.	No	02	32500-		
3	P/F SS Wire mesh (imported) size mesh (approx 40 x 40 x thicknesses \pm 0.32 mm) material SS 304 for covering the top, front back sliding door and cabin complete in all respect.	SFT	15500-	250-		

4	P/F G.I wire 2 mm khana (approx) center to center size 305x305mm for holding of SS mesh. , complete in all respect.	RFT	30000	5-		
5	P/F Aluminum flat strip for holding SS mesh size 20 × 1 mm with aluminum blind rivet for screen house bottom Front, back with holing, blind rivts and nut bolts, complete in all respect.	RFT	1500	40-		
6	Repairing of main screen house structure cutting weldingand grinding and change the damage part of hollow section , two coats enamel paint only on welding parts and rust area including MS angle iron, base plates, complete in all respect.	Job	01	L-S		
7	Repairing of entrance cabin with double door, handle lock system, door closer and change the damage part with two coat enamel paint with aluminum strip with blind rivts and nut bolts, complete in all respect.	No	01	21800-		
	Total:					

REPAIR AND MAINTENANCE OF MESH HOUSE (II) (CITRUS PLANT) SIZE 180'x60'x CENTER HEIGHT-15 AT

UAF.

D.N.I.T

(ELECTRIC WORK)

Sr. #	Ref. #	Description of work	Unit	Qty	Rate	Rate Quoted by the Contractor	Amount
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad							
1	Ch. 24 3-iii	S/E of PVC pipe of size 1" dia (25mm) for wiring recessed in wall complete in all respects	/rft	500	72.75		
2	Ch. 24 10-a-i	S/E of PVC insulated copper conductor cable in pipe/trenches. 3/0.029" s/core	/rft	1497.00	14.45		
3	Ch. 24 10-a-iii	S/E of PVC insulated copper conductor cable in pipe/trenches. 7/0.029" s/core	/rft	700	18.75		
4	Ch. 24 10-a-v	S/E of PVC insulated copper conductor cable in pipe/trenches. 7/0.044" s/core	/rft	490	35.75		
5	Ch. 24 10-a-vi	S/E of PVC insulated copper conductor cable in pipe/trenches. 7/0.064" s/core	/rft	421	80.00		
6	Ch 24 item No. 39-i	S/E of Button holder baklite	No.	6	36.80		

7	E-1014	S/E of LED bulb 19 watt (Philips)	No.	5	1374.00		
8	E-1048	S/E of 2 gang switch kit Clipsal Australia made	No.	2	366.00		
9	E-1050	S/E of 4 gang switch kit Clipsal Australia made	No.	6	669.00		
10	E-1052	S/E of 6 gang switch kit Clipsal Australia made	No.	2	989.00		
11	E-1056	S/E of Universal Plug Clipsal Australia made	No.	2	521.00		
12	E-1057	S/E of power plug Clipsal Australia made	No.	3	561.00		
13	E-0265	S/E of Circuit breaker 6-40 AMP D/pole Terasaki Japan made		2	2305.00		
14	NS-1167-64	S/E of PVC box 3"x3" size N.M china made	No.	5	120.00		
15	NS-1167-65	S/E of PVC box 6"x3" size N.M china made	No.	3	78.00		
16	E-1075	Special Earthing upto 100 ft deep i/c copper rop, copper rod, G.I pipe, Earthing material complete in all respect	rft	95	510.00		
17	E-10	P/F of SMD Flood light 100 watt Philips (IP-65 BVP 135)	No.	2	23010.00		
18	Ch . 10 item No. 5	Dry brick paving laid flat, sand grouted, including 100 Sft. 1362.25 5478.10 sq.m 146.60 589.45 24.12 preparation of bed by watering, ramming and bringing the same to proper camber, by ½"(13 mm) thick mud plaster.	%sft	64	5478.10		

19	Ch . 3 item No. 13	Rehandling of eartwork 2'x4'x200'= 1600	"/,cft	500	1980.00		
20	E-1019	Supply and Fitting LED panel 2x2 34 watt RC099V Lumen philips made	No.	1	10135.00		
Total							

SUMMARY OF COST

UPGRADING OF SHADE HOUSES BACK SIDE OF GLASS HOUSE AT MAIN CAMPUS, UAF

Sr#	Description	Amount
01	Mechanical Work (I)	
02	Mechanical Work (II)	
	Total	
	Add 5% PRA	
	Total	

ESTIMATE FOR UP GRADING OF 01 No SHADE HOUSE BACK SIDE (NYLON MESH)**Size, Length- 26' x width- 18'****D.N.I.T
Mechanical Work**

Sr. No.	Description.	Unit.	Quantity.	Rate. 2nd BI-ANNUAL-2021 Faisalabad.	Rate Quoted by the Contractor	Amount (Rs.)
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad						
1	Dismantle & removal of covering material, wire mesh, strips, sliding doors, GI wires & other un functional items.	Job	01	15000-		
2	P/F Front side sliding double door size, 6'.5 x 4'.5 material MS hollow section size, 60x30x1.5mm with roller, bearing with handle with one coat red oxide and two coat enamel paint, complete in all respect.	No	01	21800-		
3	P/F G.I wire 2 mm khana (approx) center to center size 305x305mm for holding of green net, complete in all respect.	RFT	4000	5-		
4	P/F Plastic/Nylon mesh (Imported) size, 40x40 with stitching for covering screen house with Top, front,	RFT	1400	93-		

	complete in all respect.					
5	P/F 04 No GI wire rope 3 mm PVC coated for green net tightness with double side tightness hock clamp, complete in all respect.	RFT	150	30-		
6	P/F Aluminum flat strip for holding green net size 20 × 1 mm with aluminum blind rivet with holing, blind rivts and nut bolts, complete in all respect.	RFT	180	40-		
7	Repairing of shade house main structure, damage part welding and grinding of MS hollow section without use new material, with one coat enamel paint, complete in all respect.	Job	01	80000-		
	Total:					

ESTIMATE FOR UP GRADING OF 1 No SHADE HOUSE (GREEN NET)**SIZE, LENGTH- 26' X WIDTH- 18'****D.N.I.T
Mechanical Work**

Sr. No.	Description.	Unit.	Quantity.	Rate. 2nd BI- ANNUAL- 2021 Faisalabad.	Rate Quoted by the Contractor	Amount (Rs.)
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad						
1	Dismantle & removal of covering material, wire mesh, strips, sliding doors, GI wires & other un functional items.	Job	01	15000-		
2	P/F G.I wire 2 mm khana (approx) center to center size 305x305mm for holding of green net, complete in all respect.	RFT	2500-	5-		
3	P/F green net (local made) shading capacity \pm 50%, for covering the shade house front back, top with switching , complete in all respect .	RFT	1400	27		
4	P/F 04 No GI wire rope 3 mm PVC coated for green net tightness with double side tightness hock clamp, complete in all respect.	RFT	180	30-		

5	P/F Aluminum flat strip for holding green net size 20 × 1 mm with aluminum blind rivet with holing, blind rivts and nut bolts, complete in all respect.	RFT	180	40-		
6	Repairing and overhauling of sliding door, railing line, roller, handle, lock, complete in all respect.	No	01	8500-		
7	Repairing of shade house main structure, damage part welding and grinding of MS hollow section without use new material, with one coat enamel paint, complete in all respect.	Job	01	80000-		
	Total:					

SUMMARY OF COST

UPGRADING OF SHADE HOUSES FRONT SIDE OF GLASS HOUSE AT MAIN CAMPUS, UAF

Sr#	Description	Amount
01	Mechanical Work (I)	
02	Mechanical Work (II)	
	Total	
	Add 5% PRA	
	Total	

ESTIMATE FOR UP GRADING OF SHADE HOUSES**Size, Length- 40' x width- 26'****D.N.I.T
Mechanical Work**

Sr. No.	Description.	Unit.	Quantity.	Rate. 2nd BI-ANNUAL-2021 Faisalabad.	Rate Quoted by the Contractor	Amount (Rs.)
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad						
1	Dismantle & removal of covering material GI wires & other un functional items.	Job	01	10000/-		
2	P/F green net (local made) shading capacity \pm 50%, for covering the shade house front back, top with switching , complete in all respect .	RFT	2600	27/-		
3	P/F G.I wire 2 mm khana (approx) center to center size 400x400 mm for holding of green net. , complete in all respect.	RFT	5000	5/-		
4	P/F 04 No GI wire rope 3 mm PVC coated for green net tightness with double side tightness hock clamp, complete in all respect.	RFT	200	30/-		
5	P/F Aluminum flat strip for holding green net size 20 \times 1 mm with aluminum blind rivet with holing, blind rivts and nut bolts, complete in all respect.	RFT	250-	40/-		

6	Repairing of shade house structure cutting welding and grinding and change the damage part of hollow section, with enamel paint only on welding parts complete in all respect.	Job	01	55000/-		
	Total:					

ESTIMATE FOR UP GRADING OF SHADE HOUSES**Size, Length- 40' x width- 26'****D.N.I.T
Mechanical Work**

Sr. No.	Description.	Unit.	Quantity.	Rate. 2nd BI- ANNUAL- 2021 Faisalabad.	Rate Quoted by the Contractor	Amount (Rs.)
MRS, 2nd BI-ANNUAL-2021 (1st July-2021 to 31th December -2021) District Faisalabad						
1	Dismantle & removal of covering material, GI wires & other un functional items.	Job	01	10000/-		
2	P/F green net (local made) shading capacity \pm 50%, for covering the shade house front back, top with switching , complete in all respect .	RFT	1600	27/-		
3	P/F 04 No GI wire rope 3 mm PVC coated for green net tightness with double side tightness hock clamp, complete in all respect.	RFT	100	30/-		
4	P/F Aluminum flat strip for holding green net size 20 \times 1 mm with aluminum blind rivet with holing, blind rivts and nut bolts, complete in all respect.	RFT	200	40/-		
	Total:					