


Tenderer/ Bidders/Consulting Firms are directed to comply the following checklist along with the sealed envelope of bidding documents while participating the tender as per schedule date and time.

SR. NO	BIDDER DOCUMENTS	MENTIONED PAGE NO. (To Filled By the Tenderer)
Compulsory Required Documents to Participate in Bidding for F.Y 2022-23:-		
1	<u>Written Application</u> * on Firm’s Letter Head Pad for the Work you are going to participate under this bidding document.	
2	License of Pakistan Engineering Council (Not-Required for Pre-Qualified Contractors in D and E Category and involved in repair works of ECD-M) A. Valid License Copy is mandatory from the PEC Registered contractors for the said PEC- Class as per prescribed guidelines <u>“Can be provided on request / published for Pre-Qualification of Contractors for related PEC Category for F.Y. 2022-23.”</u> B. Copy of the Prequalification Certificate/Notification with ECD, UAF for the current Financial Year Dully issued by the Executive Engineer (M) or (P)	
3	Copy of Registration Certificate, (Active NTN Certificate) with Federal Board of Revenue.	
4	Copy of Registration Certificate, (Active PNTN Certificate) with Punjab Revenue Authority Punjab	
<div><div>Save Paper. Save Trees. Save the World.</div></div>		

*
Not required for the Downloaded Tendering Documents

Note: Bidders are directed to provide forth-said information with the tender to the Office of, Executive Engineer-M, UAF to proceed further.

Stereo I.B No. 386 (revised)
Stereo I.B No. 389 (revised)
Stereo I.B No. 28 (revised)
Stereo I.B No. 29 (revised)

Agreement No. _____

University of Kamila

Through

(Engineering Construction Department, Maintenance)

UNIVERSITY OF AGRICULTURE, FAISALABAD

(Item Rate/Percentage Age Rate Tender & Contract for Works)

1	Name of work:	i. Up-gradation and repair work of old buildings at University of Kamalia, Kamalia.	
2	Estimated cost :	i. PKR: 154.000 Million	
3	Time for completion :	i. Four Months	Note: - Time Extension (if any) should not be more than original completion time mentioned in the W.O. In case of any contradiction, this provision will prevail. However, this can be right off with the prior approval of the Competent Authority, UAF any time during the execution of the work under specific circumstances.
4	Amount of Bid Security:	i. PKR: 3.080 Million	
5	Issued to:		
6	Pre-tender conference:	N.A.	
7	Dead Line for submission of Tender:	-----27-01-2023-----	
8	Opening of Tender :	-----27-01-2023-----	
9	Issued by:	Office Of Executive Engineer, University of Agriculture, Faisalabad. For University of Kamalia	

Date: _____

Signature: _____

(OFFICE STAMP)

Note:

The officer / Tender Opening committee is competent to reject the tender, which does not bear the signature and stamp of the issuing officer in favor of the contractor/firm to whom the tender-documents was issued against prescribed fee (Non-Refundable) for the purpose/ work requested thereto. However, the tender documents can be downloaded Free of Cost from UAF or PPRA website. Tender documents in a sealed envelope along with prescribed Bid

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Security @ 2% in shape of CDR/DD in favor of Executive Engineer (ECD-M) UAF for UoK must reach to the **Office of Executive Engineer, University of Agriculture Faisalabad** up to schedule of closing.

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 1st Bi-Annual 2023 District TT-Singh**), 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 him self 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. (a) The tenderer shall fill up the Bill of Quantities and indicate the percentage rate above or below the MRS of rates for the "MRS items" on which he is willing to undertake each item of work. No premium will be quoted by the contractor against non-MRS/item rates, for which the rate and amount has already been filled in by the engineer-in-charge in the bid schedule.

(b) In case tenders are called on item rate basis, the tenderer shall quote his own unit rate in the Bill of quantities on which he is willing to undertake each item of work.
9. i. The tender shall work out the amount against each item of work in the Bill of Quantities and

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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.
10. 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.
 11. 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.
 12. 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.
 13. 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.
 14. 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 Engineer-in-charge 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.
 15. 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

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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.

16. (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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.

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22. Any tender received by the Executive Engineer (Engineer-in-charge), ECD-M, UAF for UoK after the deadline for submission offenders prescribed in the Notice Inviting Tenders will be returned unopened to the tenderer.
23. 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.
24. 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.
25. 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 contact, may-result in the rejection of his tender.
26. 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% 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%

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.

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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 Executive Engineer,
Engineering Construction Department, (Maintenance)
University of Agriculture, Faisalabad (UAF)
For
University of Kamalia

Dear Sir,

I/We.....

(Name of the contractor)

The undersigned tenderer, having examined the conditions of contract, specification, drawing
bid schedule and addenda Nos..... thereto, 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 theBranch ofBank
drawn in your favour or may payable to you 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

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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)

NAME.....

*
Address

Dated thisDay of 2023

I hereby accept the above tender on behalf of the Tender Committee UAF / Government.

(Signature of Executive Engineer)

*
In case the above address is changed, the contractor will immediately notify in writing to the *Executive Engineer*, his new address.

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University of Kamalia

MEMORANDUM OF WORK

a)	General Description:	i. Up-gradation and repair work of old buildings at University of Kamalia, Kamalia.
	Estimated Cost:	i. PKR: 154.000 Million
i.	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)	i. PKR: 3.080 Million
ii.	Percentage of security deposit to be retained from the bills.	Ten (10) percent Five (5) percent
	i) On the amount of work done up to Rs.5.0 million ii) On the amount of work done beyond Rs.5.0 million.	
iii.	Minimum amount of interim running bills	Rupees five million (Rs.----- only
iv.	Mobilization period	Fifteen (-) calendar days
v.	Time allowed for completing the work after the expiry of mobilization period	-----NA-----calendar months
vi.	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.
vii.	Period of maintenance (after the date of issuance of certificate of completion)	Twelve (06) calendar months.

BID SCHEDULE

1. Schedule of item (MRS & Input Rates)

Name of work: **Up-gradation and repair work of old buildings at University of Kamalia, Kamalia.**

(To be filled in by the tenderer)

Sr. No.	Items in schedule of rates		Description	Estimated quantity	Unit of Rates	Schedule of rates		Amount (Rs....
	Page No.	Serial No.				Labour	Composite	
1	2	3	4	5	6	7	8	9

Mandatory to Write in Words: (Urdu/English)

Total cost of (MRS item rates) Rs. _____

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BID SCHEDULE

1. 1. Schedule of item (N.S. Items)

Name of work: Up-gradation and repair work of old buildings at
University of Kamalia, Kamalia
 (To be filled in by the tenderer)

Sr. No	Pay item No. of reference to special specification supplied	Description of item	Estimated quantity	Unit of Rates	Unit rate To be filled in the contractors where not already filled by the Executive Engineer		Amount (To be filled in by the contractor when not already filled in by the project director for items against which the unit rate have already been filled in by him)
					In figure	In Words	
1	2	3	4	5	6	7	8

Mandatory to Write in Words: (Urdu/English)

Total cost of (NS. item rates) Rs. _____

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BID SCHEDULE

Name of Work: Up-gradation and repair work of old buildings at University of Kamalia, Kamalia

(To be filled in by the tenderer)

Total tendered amount of the work:
(To be filled in by the tenderer)

1. Total Cost.

Rs. _____

2. Total Cost of Item Rates

Rs. _____

Grand Total Rs. _____

Rupees _____

Mandatory to Write in Words: (Urdu/English)

Contractor

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DETAILED NOTICE INVITING TENDER (DNIT) Tender No. 01/2023 Sr. No. 01					
Name of Work:		Up-gradation and repair work of old buildings at University of Kamalia, Kamalia.			
Sr. No	Item Details/ Description of works	Qty	Unit	To be filled by the Bidder	
				Rate Quoted	Amount (PKR)
A. Civil Work					
1	Dismantling cement concrete 1:2:4 plain	4750.14	%cft		
2	Dismantling cement concrete 1:4:8 plain	2251.09	%cft		
3	Dismantling cement concrete with brick aggregate	385.11	%cft		
4	Dismantling brick or flagged flooring without concrete foundation	13673.75	%sft		
5	Dismantling glazed or encaustic tiles, etc	2152.87	%sft		
6	Removing cement or lime plaster	94497.09	%sft		
7	Removing door with chowkhat	143.00	each		
8	Removing windows and sky lights with chowkat.	64.00	each		
9	Dismantling brick work in lime or cement mortar.	19948.30	%cft		
10	Dismantling 1st class tile roofing	1080.98	%sft		
11	Dismantling cement concrete reinforced separating reinforcement from concrete, cleaning and straightening the same.	2000.30	%cft		
12	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) ordinary soil	24191.37	%0cft		
13	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	6093.67	%cft		
14	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:-(b) Ratio 1: 4: 8	3248.43	%cft		
15	Pacca brick work in foundation and plinth in 1:6 cement sand mortar	7679.79	%cft		
16	Pacca brick work other than building upto 10ft. (3 m) Ratio 1:4	7258.79	%cft		
17	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coating 1½" thick (40 mm)	2033.71	%sft		
18	Pacca brick work in ground floor:-i) cement, sand mortar Ratio 1:6	10158.86	%cft		

19	Pacca brick work in ground floor:-i) cement, sand mortar Ratio 1:4	2394.22	%cft		
20	Pacca brick work in ground floor:-i) cement, sand mortar Ratio 1:4+ first floor labour	195.38	%cft		
21	Pacca brick work other than building upto 10ft. (3 m) Ratio 1:6	6287.25	%cft		
22	Providing and laying dry brick pavement/soleing in streets or roads, etc. sand grouted, laid in proper camber, including preparation, watering, compaction of bed to proper camber,and sand cushion	6250.50	%cft		
23	Cement concrete plain including placing compacting, finishing and curing complete (including screening and washing of stone aggregate):1:2:4	2157.58	%cft		
24	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	22280.35	%kg		
25	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	6479.13	p.cft		
26	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, re vitting, handling, assembling and fixing, but excluding erection in position	3374.13	%kg		
27	First class tile roofing, consisting of 4" (100 mm) eart and 1" (25 mm) mud plaster with Gobri leeping over ½" 13mm) thick cement plaster 1:6 with 34 lbs. per %Sft or 1.72 Kg/sq.m hot bitumen coating sand blinded, provided over 2 layers of tiles 12"x6"x1¼" (300x150x30 mm) laid in 1:6 cement mortar with ½" (13 mm) thick sand wiched layer of 1:6 cement mortar, including 1:2 cement pointing underside of tiles, complete, including curing, etc. i/c poly then sheet	1619.96	%sft		
28	Providing and fixing 1¼"x1¼"x3/16" (31x31x5 mm) angle iron step, in manhole chambers, including carriage and setting the same in work to correct lines and levels.	118.00	each		
29	Supply and Erection of Car Parking Shed consisting of 3 mm thick fiber glass sheet roof (3-layers) fixed / riveted on moulded curved frame of M.S box pipe 1-1/2"x1-1/2"16-SWG supported on trusses of MS angle iron 1-1/2"x1-1/2"x3/16" all around duly supported on M.S sheet 6"x6"x1/4" welded on GI pipe post (Medium Quality) of specified diameter embeded in P:C:C (1:2:4) i/c the cost of excavation,cutting straightening assembling, bending as per design, welding / grinding of joints and painting three coats complete in all respect as approved and directed by the Engineer Incharge.(i) 4" dia GI Pipe Supports(deduction of 4"dia pipe	6462.00	sft		
30	Providing and fixing G.I. pipe railing, as perstandard drawing 3 rows of Pipes	56.56	rft		
31	Cement pointing struck joints, on walls, upto 20' (6.00 m) hieght:-a)ratio 1:2 + Extra cost of labour and material for red oxide pigment in cement pointing to match with the colour of bricks.	52847.38	%sft		

32	Providing and fixing anti climb high security galvanized razor cut wire having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladde over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16"embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts , binding wire, painting of posts, etc. complete in all respects as pproved and directed by the Engineer incharge (i) 24 " diameter	1474.41	rft		
33	Single layer of tiles 9"x4½"x1½" (225x113x40 mm) laid over 4"(100 mm) earth and 1" (25 mm) mud plaster without Bhoosa, grouted with cement sand 1:3 on top of RCC roof slab, provided with 34 lbs. per %Sft. or 1.72 Kg/Sq.m bitumen coating sand blinded.	8086.96	%sft		
34	Grouting 4½"(113 mm) dry brick work with cement mortar ratio 1: 5	4993.94	%sft		
35	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm	31.00	each		
36	cement plaster 1:4 ratio upto 20 ft height ½" thickness	48875.28	%sft		
37	Applying floating coat of cement 1/32" (0.8 mm) thick.	66392.44	%sft		
38	cement plaster 1:4 ratio upto 20 ft height ¾" thickness	60237.75	%sft		
39	Cement plaster 1:3 upto 20' (6.00 m) height b)½" (13 mm) thick	7245.06	%sft		
40	Cement plaster 1:3 upto 20' (6.00 m) height c)¾" (20 mm) thick	4990.75	%sft		
41	Cement plaster 3/8" (10 mm) thick under soffit of R.C.C.roof slabs only, upto 20' height. Ratio 1:2	5810.00	%sft		
42	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG i/c the cost of sliding bolt, tower bolt and painting 3-coats but excluding the cost of Chowkat complete in all respect as approved and directed by the Engineer incharge	1372.00	sft		
43	Providing and fixing G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 meshes in cm2) fixed to steel window, complete with flat iron patti ½"x 1/8" (13mmx3 mm) and machine made screws	2422.70	sft		
44	G.I. wire gauze 22 SWG, 12x12 meshes per square inch, (5x5 in cm2) fixed to chowkat, with ¾"('20 mm) thick deodar wood strip and screws	4343.85	sft		
45	Glazing with panes (24 oz. to 26 oz.), using putty and deodar wooden fillets	2309.01	sft		
46	Providing and applying wall putty of 2mm thickness over plastered surface (new surface)top repare the surface even and smooth complete in all respect.	96765.91	%sft		
47	Preparing surface and painting with emulsion paint	156591.80	%sft		

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48	Scaraping old distemper or paint on wall	8436.39	%sft		
49	painting door and window any typ 2 coats on old surface	5124.00	%sft		
50	painting saches fanlight wire guazed or glazed door and window 2 coats on old surfce	21365.00	%sft		
51	Providing and laying 4-1/2" thick fair face Special brick Cladding (9"x4-1/2"x3")laidin (1:3) cement/ red posso mortar having 1/4" thick groove finish i/c the cost of 8 SWG wire in shape of 8 placed horizontally and vertically at 36" and 18" c/c respectively i/c cutting charges as per approved drawing, complete in all respect as approved and directed by the Engineer Incharge	1941.00	p.sft		
52	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:old surface 2 coats on new surface	30138.96	%sft		
53	P/F iron grated doors comprising of 2-1/2"x2-1/2"x3/8" angle iron chowkat ,2"x2"x3/8" angle iron frame and with ¾" square bar at 4" center to center penetrate through punch holes of 2-nos 2"x3/8" MS flat horizontal bracings i/c cost of gussest plates of 3/8" MS sheet, hinges, MS Sliding Bolts and three coats of painting complete in all respect as approved and directed by the Engineer incharge	471.00	sft		
54	Making and fixing steel grated door with 1/16" thick (1.5mm) sheeting, including angle iron frame 2"x2"x3/8" (50x50x10 mm) and ¾" (20 mm) square bars 4" (100 mm)centre to centre, with locking arrangement	28.00	sft		
55	Providing and fixing aluminium glazed partition of anodized / powder coated using section of M/s. Al-Cop/ Pakistan Cable having 2 mm thick Frame size D48-A , i/c 12 mm tinted TEMPERED glass with sand blasting and edge polishing i/c the cost of tear resistance film,rubber gasket and hardware etc. complete in all respect as approved and directed by the Engineer Incharge.(Floor hinge will be paid separately)	1612.36	p.sft		
56	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" (37mm) 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 respect	266.00	sft		
57	Providing and fixing collapsible gate made of 2"x2"x¼ (50x50x6 mm) tee iron at top and bottom, channel iron verticals ¾"x¼"x¼"x1/8" (20x6x6x3 mm) at 3" (75 mm) to 5" (125 mm) centre to centre (approximate) and flat iron crosses 3"x3/16" (75x5 mm), and best quality rollers at bottom of 3" (75 mm) diameter including holdfasts,handles 12" (300 mm) long of ¾"x¼"x¼"x1/8" (20x6x6x3mm) channel iron, locking arrangement inside and outside, painting 3 coats of black Japan enameled,complete in working order.	190.44	sft		

58	Providing and fixing M.S. grill fabricated with MS Square polished Vertical/horizontal Bars of specified size @ 4" c/c ' passed through punched holes in MS Patti of 1-1/4"x1/8" i/c the cost of 1-1/4"x1/8" MS patti for Frame of windows and painting 3 coat complete in all respect as approved and directed by the Engineer Incharge (ii) 1/2" Squar Bars	2384.20	sft		
59	Providing and fixing steel windows with openable glazed panels, using beam section for frame 1½"x1"x5/8"x1/8"(40x25x16x3 mm), Z-section for leaves ¾"x1"x¾"x1/8"(20x25x20x3 mm), T-section sashes 1"x1"x1/8" (25x25x3mm), glass panes, wooden screed for glazing embedded over a thin layer of putty duly screwed with leaves, brass fittings, holdfast, duly painted, complete in all respects, including all cost of material and labour, etc. as per approved design and as directed by the Engineer-in-charge:-fixed with wire gauze,b) 22 SWG fixed with wire gauze, 22 SWG v) glass pane 5 mm thick	40.00	p.sft		
60	Providing and fixing all types of partly fixed and partly openable glazed anodised bronze colour aluminium doors, using delux section of M/s Al-Cop or Pakistan Cables, having chowkat frame of size 40 x 100 mm (1½"x4") and leaf frame of 60x40mm (2½"x1½") wide sections including the cost of ¼" (5 mm) thick imported tinted glass with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, 3" (75 mm) wide long handles etc., and hardware any required as approved by the engineer in-charge.	182.00	sft		
61	Providing and fitting all types of glazed aluminium windows of anodised/ powder coated partly fixed and partly sliding using delux sections of approved manufacturer having frame size of 100 x 30 mm (4"x1-1/4") and leaf frame sections of 50 x 20 mm (2"x¾"), all of 1.6mm thickness including 5 mm thick imported tinted glass with rubber gasket using approved standard latches, hardware etc., as approved by the Engineer in-charge	60.00	sft		
62	Providing and fixing M.S. angle iron 1½"x1½"x¼"(40x40x6 mm) edge protector nozing of steps of stairs,having holdfast or 3/8" (10 mm) dia M.S. bars 8" (200 mm)long welded at 2' (600 mm) centre to centre and embedded in cement concrete on steps, complete in all respects	1035.00	rft		
63	Providing and fixing 3"x4-1/2" chowkat for doors, windows and C.windows, including holdfast, etc.b)Deodar Wood	3677.00	p.sft		
64	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1"thick solid wood panels with step and 1-1/2"x2-1/2" beadings all around the panels i/c the cost of Tower bolt and andles complete in all respect (Excluding the cost of sliding bolt,lock and chowkats(frame), etc.) as approved and directed by the Engineer Incharge(b) deodar wood Door (iii)1-1/2" thick (40 mm)	3711.75	p.sft		
65	P/F 3/4" dia heavy duty sliding bolt of specified material i/c the cost of hard ware complete in all respect as approved and directed by the Engineer Incharge (iii) 18" (450 mm) long	118.00	each		
66	Providing and fixing autotomatic hydrauli coperated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge	41.00	each		

67	P/F of Tower bolt 8" long	188.00	each		
68	First class deodar wood wrought joinery work in wire gauze doors and windows, with 22 SWG G.I. wire gauze 12x12 meshes per square inches (5x5 per cm2) including iron fittings etc. complete deodar wood framing 1½" (40 mm) thick, with wire gauze fixed in position ii) with springs or spring hinges	117.00	p.sft		
69	Preparing surface and Lacquar polish to reveal wooden grains by application of multiple coats ofwood sealer,sand papering with different noof sand paper sand Lacquar to make glossy surface finish i/c the cost of cotton, thinner, wood sealer complete in all respects as approved and directed by the Engineer Incharge (i) Matt Finish	1377.00	sft		
70	Prepared and painting door and window any typ 3 coats on new surface	5275.00	%sft		
71	Prepared and painting saches fanlight wire guazed or glazed door and window 3 coats on new surfce	1354.50	%sft		
72	Preparing surface and painting guard bars, gates of iron bars, gratings, railing (including standards, braces, etc.) and in similar open work 3 coats on new surface	1500.66	%sft		
73	Providing and fixing partition, including frame work:- b)Sheets on both sides of frame work:-ii) Ply wood ¼" (6 mm) thick	693.40	%sft		
74	Providing and fixing marble strip of any shade for dividing the mosaic flooring into panels Size 1½" x 3/8" (40 x 10 mm	21414.61	rft		
75	Providing and laying topping of cement concrete 1:2:4,including surface finishing and dividing in panels:-(c) 1½"(40 mm) thick	6080.49	%sft		
76	1½"(40 mm) thick mosaic flooring, consisting of ½ "(13mm) 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	29610.53	%sft		
77	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 ii) ½"(13 mm) thick	2390.84	%sft		
78	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/ bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.a)Full body Glazed tiles (ii) 600mmx 600 mm	3177.24	p.sft		
79	Providing and laying superb quality Porcelain glazed tiles flooring of MASTER brand of specified size in approved design,Color and Shade with adhesive/ bond over 3/4" thick (1:3) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.a)Full body Glazed tiles (i) 400mmx 400 mm	1641.49	p.sft		

80	Providing and laying superb quality Porcelain glazed tiles of Master brand,skirting/dado of specified size, Color and Shade with adhesive/bond over 1/2" thick (1:2)cement plaster i/c the cost of and sealer for finishing the joints,cutting grinding complete in all respect as approved and directed by the Engineer Inchargea)Full body Glazed tiles (i) 400mmx 400 mm	350.42	p.sft		
81	Providing and laying superb quality Ceramic tile floors of Master brand of specified size ,Glossy /Matt /Texture of approved Color and Shade as per approved design with adhesive bond ,over 3/4" thick (1;2) cement sand plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects and as approved and directed by the Engineer Incharge i)12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	4623.69	sft		
82	Providing and laying superb quality Ceramic tiles dado of Master brand of specified size, Glossy/ Matt/ Texture skirting/ dado of approved Color and Shade with adhesive bond over 1/2" thick (1:2) cement plaster i/c the cost of sealer for finishing the joints i/c cutting grinding complete in all respects as approved and directed by the Engineer In charge i)12"x18"/12"x24"/10"x24" /8"x24"/12"x36"	13003.56	sft		
83	Providing and laying Prepolished Granite of specified thicknes sand shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortor bed,complete in all respectas approved and directed by the Engineer Incharge (i) 3/4" thick	730.83	p.sft		
84	Providing and fixing false ceiling comprises of Gypsum board laminated sheet of size 2'x2' /2'x3' /3'x3' of specified design and thickness i/c cost of fixtures i.e galvanized angle 1"x1"at wall sides, galvanized tee 1½"x1" and 1½"x1" both at 4' c/c (made of Taiwan CK Mor equivalent), hanging with G.I/ Copper wire 16 SWG, G.I hook, Rawal Plug etc complete in all respects as approved and directed by the Engineer Incharge i)6 mm thick	12498.76	sft		
85	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc.,complete in all respects. iv) 2' deep,with back	1031.78	p.sft		
86	Providing and fixing Vin board cabinet 3/4" thick with drawers 3"deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges,screws etc.,complete in all respects. iii) 2' deep,without back	442.28	p.sft		
87	Filling, watering and ramming earth under floors:- ii)with new earth excavated from outside,lead upto one chain (30 m)+Transportation of earth all types when the total distance including the lead covered in the item of work, is more than 1000 ft. (300 m) (d) for every ½ mile (800 m) additional lead or part thereof, beyond 5 miles (8 Km).	20572.50	%0cft		
88	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 + carriage for aggrigate/ gravel	6617.50	%cft		

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89	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	6321.76	sft		
90	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(12836.55-31.5% reduce=12836.55 - 4043.52=8793.03	41934.66	%0cft		
91	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:-ii)7 ft. to 15 ft.	4255.67	%0cft		
92	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:-iii) above 15ft	2127.84	%0cft		
93	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects	26770.00	%0cft		
94	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 iii) 225 mm (9:) i/d	2200.00	rft		
95	Providing and laying R.C.C. pipe sewers, moulded with cement concrete 1:1½:3 conforming to ASTM Specification C-76-79, Class II. Wall B, including carriage of pipe from factory to site of work, lowering in trenches to correct alignment and grade, jointing with rubber ring, cutting pipes where necessary, testing, etc., complete i) 310 mm (12") i/d	814.00	rft		
96	Providing and laying crushed stone aggregate of 1/4" to 1" guage under and around the sewer pipe, including leveling, manual compaction,complete in all respects	8131.07	%cft		
97	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working presure pipe, Beta/ Dadex/ Popular/ IIL or equivalent, in trenches, as approved & directed by the engineer incharge, complete in all respects.c)PN-10 (SDR-17) iv)160 mm	130.00	rft		
98	Providing and fixing of stub end for 160mm PE PN-10 Pipe dadex made	2.00	each		
99	Providing and fixing of jablet joint 6" size	2.00	each		

100	Providing, laying, cutting, jointing, testing and disinfecting High Density Polyethylene Pipe (HDPE-100) working pressure pipe, Beta/ Dadex/ Popular/ IIL or equivalent, in trenches, as approved & directed by the engineer incharge, complete in all respects.c)PN-10 (SDR-17) ii)110 mm	2705.00	p.rft		
101	Providing and installing P.V.C. tees, of B.S.S.ii)Class `D' working pressure e) 4" i/d (100 mm	12.00	each		
102	Providing and installing P.V.C. sockets, B.S.S.ii)Class `D' working pressure:e) 4" i/d (100 mm	12.00	each		
103	Providing and fixing sluice valve of B.S.S. quality and weight, Class `B', for cast iron pipe line, and Asbestos cement pipe line (including cost of jointing material b)4" i/d (100 mm)	3.00	each		
104	Rehandling of earthwork:a)Lead upto a single throw of Kassi, phaorah or shovel	56305.11	%0cft		
105	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized polyvinyl Chloride) Nikasi/waste pipe make of dadex/ Popular/ Beta/ BBJ plain/ socket ended conforming to code EN-1401 of specified SDR (Standard Dimension Ratio) including the cost of specials and Solvents complete in all respect as approved and directed by the Engineer Incharge.Type (SDR 32.5/SN-8)v)4"(110 mm)	4113.00	rft		
106	Providing, fixing, testing and commissioning of µ-PVC (Unplasticized poly vinyl Chloride) Nikasi/ waste pipe Fittings make of dadex/Popular/Beta/BBJ conforming to code EN-140 1including the cost of Solvents complete in all respect as approved and directed by the EngineerIn charge.c') Vent Cowel (i) 4" dia	21.00	each		
107	Providing and fixing 6" thick R.C.C. manhole cover with tee shaped C.I. frame of 22" I/d (frame weighing 37.324 Kg. or one maund as per Standard Drawing STD/PD No. 6, of 1977, complete in all respect.	58.00	each		
108	Providing and fixing Gas water heater (Geyser) of specified capacity, comprising of water tank made of 14SWG steel sheet and cover with 20SWG MS sheet, best quality of approved make of Corona/ Ambassador/ Super Asia/ Canon i/c the cost of non return valve, imported thermostate, G.I. accessories, safety valve and making connection with existing water supply pipe line complete in all respects as approved and directed by the Engineer Incharge i)35 gallon	7.00	each		
109	Constructing gully grating chamber, 12"x12", (300x300mm) complete in all respects:B)concrete Gully trap(5075.95 - 323.25= 4752.70	55.00	each		
110	Making Sewerage connection to Existing Manhole of main sewerage pipe line including cost of Plugging dewatering desiliting making hole in wall reparing and restoration etc complete in working condition	9.00	one job		
111	Providing and hoisting vertical/horizontal type storage tank of required capacity made of rotationally molded from (HDPE), doubleply polyethelene of approved manufacturer i/c cost of making connection for inlet/ outlet pipe, float valve i/call cost of specials & labour complete in all respect as approved and directed by the Engineer Incharge.	6075.00	per gallon		

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112	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I.pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves.ii) Medium Quality a) ½" i/d (15 mm) 2.65mm thick	1160.00	rft		
113	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I.pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves.ii) Medium Quality b)¾" i/d (20 mm) 2.65mm thick	1915.00	rft		
114	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipeline in trenches, with socket joints, using G.I.pipes of B.S.S. 1387-1967 complete in all respects, with specials and valves.ii) Medium Quality c) 1" i/d (25 mm) 3.25mm thick	900.00	rft		
115	Providing, laying, testingand commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent,specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned b)PN-20 pipe (iii)(1") 32 mm	3045.00	p.rft		
116	Providing, laying, testingand commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex/Popular/Beta/BBJ) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code i/c cost of solvent,specials,making jharries complete in all respect as approved and directed by Engineer Incharge.(Internal/External Diameters mentioned b)PN-20 pipe ii)(3/4") 25 mm	815.00	p.rft		
117	Providing and fixing of Handle Cock ½" dia	28.00	each		
118	Providing and fixing of Handle Cock ¾" dia	41.00	each		
119	P/Fixing of Handle Cock 1" dia	25.00	each		
120	P/Fixing PPRC L-bow 32mmx¾" dadex made as approved site Engineer	132.00	each		
121	P/Fixing PPRC L-bow 32mmx1" dadex made as approved site Engineer	28.00	each		
122	P/Fixing PPRC L-BOW 32/ 25mmx1/2" dadex made as approved site Engineer	244.00	each		
123	P/Fixing of C.P Nipple 1"x½"	244.00	each		
124	Providing and fixing, waste pipe of PVC:-repalacement item i) 3 cm (1¼")	3.00	each		
125	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tees top cocks, lever type BasinMixer, doubleBibCock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge (vi) Waste Coupling	3.00	each		

126	Providing and fixing, flushing bend of PVC.ii)4 cm (1½")	31.00	each		
127	Making connection for new watersupply lines with the running main, including excavation of trench and refilling,complete, but excluding cost of pipe and specials, etc Diameter of running main: i)upto 6" i/d (150 mm	20.00	per conne ction		
128	Providing, fixing, testing and commissioning of μ-PVC (Unplasticized poly vinyl Chloride) Nikasi/ waste pipe Fittings make of dadex/Popular/Beta/BBJ conforming to code EN-140 1including the cost of Solvents complete in all respect as approved and directed by the EngineerIn charge(a) P-Trap(i) 4" dia	123.00	each		
129	Providing and fitting glazed earthen ware water closet,squatter type (Orisa pattern), combined with foot rest i) white	31.00	each		
130	P/Fixing Floor Trape Jali 6"x6" double cover as approved site Engineer)	99.00	each		
131	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc.i) white, with pedestal	25.00	each		
132	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc v) Under Counter Vanity Basin	16.00	each		
133	Providing and fixing chromium plated tee stop cock 15mm (½").	157.00	each		
134	P/F of Sawan Neck Cock ½" dia	2.00	each		
135	Providing and fixing of Sink Mixer ½" dia	11.00	each		
136	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tees top cocks, lever type BasinMixer, doubleBibCock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge (iv) Open Type Wall Shower	3.00	each		
137	Providing and fixing of Bib cock ½" dia	32.00	each		
138	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tees top cocks, lever type BasinMixer, doubleBibCock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge (ii) Lever Type Basin Mixer	39.00	each		
139	Providing and fixing stainless steel sink with drain board, size 120x60 cm (48"x24")including bracket set, waste pipe and waste coupling	11.00	each		
140	Providing and fitting Europeon Coupled set of Water Closet (WC) and flushing Cistern of PORT Abr and (full size) i/c the cost of CP/ rubber connection, thimble, seat cover and rawal bolts complete in all respects as approved and directed by the Engineer Incharge.	34.00	each		

141	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tees top cocks, lever type BasinMixer, double Bib Cock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge (v) Muslim shower	39.00	each		
142	Providing and fixing CP bath Room Set made of Sonex/Master/Faisal comprising of 3-No Tees top cocks, lever type BasinMixer, doubleBibCock, open wall shower, Muslim shower, waste coupling and bottle trap etc. complete in all respect as approved and directed by the Engineer incharge (iii) Double Bib Cock	39.00	each		
143	Providing and fitting plastic made low down flushing cistern 13.63 litre (3 gallons) capacity, including bracket set, copper connection, etc. complete i) white color	31.00	each		
144	Providing and fixing BATHROOM ACCESSORIES (7-piece set) MASTER BRAND - One Cosmetic Shelf, One Towel rod with bracket, One soap dish, One double hook, One towel ring, brush holder, toilet paper holder & looking glass i/c the cost of hardwares etc complete in all respect as approved and directed by the Engineer incharge	33.00	each		
145	Cutting hole 4"x6" (100x150 mm) in stone masonry or brick wall with chisel, repairing masonry and removing debris within one chain lead.	375.00	p.hole		
146	Boring for tubewell in all types of soil except shingle and rock, from ground level to 100 ft. (30 m) depth, including sinking and withdrawing of casing pipe, complete:-4" dia	700.00	rft		
147	Providing and installing, P.V.C. strainer B.S.S. Class 'D'in tubewell bore hole, including sockets and solvents,etc.complete 2" dia	140.00	rft		
148	Providing and installing P.V.C. blind pipe, B.S.S. Class`B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.4" dia	420.00	rft		
149	Providing and installing P.V.C. blind pipe, B.S.S. Class`D', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.2" dia	140.00	rft		
150	Providing and installing P.V.C. blind pipe, B.S.S. Class`D', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.1¼" dia	420.00	rft		
151	Supply and erection of PVC pipe for wiring on surface including clamps inspection boxes, pull boxes,bends, tees, repairing surface, etc., complete with all specials iii) 25 mm i/d	900.00	rft		
152	Direct Rotary/Reverse Rotary drilling of bore for tubewells in all types of soil except shingle, gravel and rock:-a)from ground level to 250 ft. (75 m) below ground level:-i) 15" to 18" (375 to 450 mm) i/d	400.00	rft		
153	Providing and installing P.V.C. Bail/End plug, in tubewell bore hole:-g) 12" i/d (300 mm)	1.00	each		
154	Providing and installing, P.V.C. strainer B.S.S. Class 'B'in tubewell bore hole, including sockets and solvents etc complete 12" dia	200.00	rft		
155	Providing and installing P.V.C. blind pipe, B.S.S. Class`B', in tubewell bore hole, including sockets and solvents and jointing with strainer, etc. complete.12" dia	200.00	rft		
156	Shrouding with graded pea gravel 3/8" to 1/8" (10 to 3mm), around tubewell in bore hole	392.50	cft		

157	Providing and installing M.S. blind pipe socketed/welded joint, M.S. reducer (where necessary), in tubewell bore hole, including jointing/welding with strainer,etc.complete Dia 6" i/d, 3/16" (150 mm i/d 5 mm) thick	160.00	rft		
158	P/F Ejector Pump of specified Suction and Delivery heads, coupled with Single Phase Seimen Electric Motor of required rating for water supply i/c the cost of connection charges,necessary wire, PVC pipe set ccomplete in all respect as approved and directed by the Engineer Incharge.ii)G-IV (2-1/2"x2") with 2.5 HP Electric Motor, 38-Mtr Suction and 38 M delivery head	7.00	each		
159	P/F of cooling unit including cost of 1.5 ton capacity compressor Haier Made, cooling coil and frame as desinged by the department complete set	3.00	each		
160	Providing and Installation of R.O plant 500 liter/hour, Reverse Osmosis system Capsity 500 liter per hour 25°c Automatic operation, PH,6.03_+0.05 ETC, copy of Sepecifation attached	3.00	each		
161	Providing and fixing of KSB Non Clogging Centrifugal Pump KWPK (100-250,type Sewage liquid handled, flow rate 1 Cusic, speed 1450 rpm, Pump input 6.70 BPH, Motor Rating 10HP,Ambient temp.40°c 3 phase, Suction Flange I.D 5" dia, Dilvery Flange I.D 4" dia, pump casing, impeller, discharge cover cast iron made complete in working condition	1.00	each		
162	Providing and Fixing of KSB Vertical line shaft Turbine Pump, capacity of 1-1.25 Cusic discharage 3 phase 25H.P Prime Mover (SEM/DE), MCU Type ASD-25, Mounting Clamps 6" column, Pump assembly four stages, etc complete in working condition	1.00	each		

Total. A (Civil Work)

B. Electric work

1. Vice Chancellor Secretariat

1	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. (1"-dia) Rooms x 2= 300' Lobby= 100' Secretary Office= 80' Waiting Room= 80' Outer= 40' Total= 600'	600.00	rft		
2	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches For main servive 50 mm i/d (2" dia)	80.00	rft		
3	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") s/core Rooms x2= 1000' Lobby= 300' Secretary Office= 300' Waiting Room= 300' Outer= 100' Total= 2000'	2000.00	Mtr		

4	(ii) (7/0.029") s/core Rooms x2= 500' Lobby= 500' Secretary Office+Waiting Room+Outer= 400' Total= 1100'	1100.00	Mtr		
5	(iii) (7/0.044") s/core Rooms x2= 500' Secretary Office+Waiting area= 300' Total= 800'	800.00	Mtr		
6	(iv) (7/0.064") s/core For main service 8(100')= 800	800.00	Mtr		
7	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer InchargeSmall	40.00	No		
8	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Large	10.00	No		
9	Supply and erection of ceiling rose, bakelite.	8.00	No		
10	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. Plastic body 12" sweep	4.00	No		
11	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge:- Three pin Light Plug 10/13 Amp	15.00	No		
12	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge:- Telephone / TV/Datacable socket	6.00	No		
13	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge:- Fan Dimmer	8.00	No		
14	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge: - Three Pin Power Plug 15-32 Amp	5.00	No		
15	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge:- Large: 04 Gange	5.00	No		
16	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge:- Large: 06 Gange	10.00	No		
17	Supply and erection of button holder. bakelite large size	20.00	No		
18	S/E of Fan Hook (M.S plate)	8.00	No		
19	S/E of LED Flood Light 200 watt (Agree made China)	4.00			

20	S/E of Rawal Bolt	8.00			
21	S/E of LED Executive Panel Light 2'x2' (6+6+2+2)= 14	14.00	No		
22	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (18"x24"x6") (1.5'x2x0.5) size	1.50	cft		
23	2-TON (Inverter) Heat & Cool Specification Under Five Star Rating T3 Compressor, Turbo Colloing, 100% Copper Coil and Installation Kit.For VC Office No.(02)+ Meeting Room No. (02)	4.00	No		
24	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple pole 15-100 Amp (10 KA,15KA)	1.00	No		
25	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. (i) Single Pole 6-40 Amp (6 KA)	15.00	No		
26	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. (ii) Double Pole 6-40 Amp (6 KA)	5.00	No		
2. Registrar Office					
27	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. (1"-dia)	200.00	rft		
28	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (3/0.029") s/core	800.00	Mtr		
29	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (7/0.029") s/core	600.00	Mtr		
30	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (7/0.044") s/core	500.00	Mtr		
31	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Small	12.00	No		
32	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Large	4.00	No		

33	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge Three pin Light Plug 10/13 Amp	6.00	No		
34	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge Telephone / TV/Datacable socket	2.00	No		
35	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge Fan Dimmer	6.00	No		
36	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge Three Pin Power Plug 15-32 Amp	2.00	No		
37	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge 06 Gange	4.00	No		
38	S/E of Fan Hook (M.S plate)	6.00	No		
39	S/E of button holder. bakelite large size	24.00	No		
40	S/E of LED Bulb 30 watt	24.00	No		
41	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. Plastic body 12" sweep	2.00	No		
42	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (1.5'x2'x0.5) size Deduction= 8240/-	1.50	cft		
43	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge. Single Pole 6-40 Amp (6 KA)	15.00	No		
44	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge. Double Pole 6-40 Amp (6 KA)	2.00	No		
45	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB	1.00	No		

	SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple pole 15-100 Amp (10 KA,15KA)				
46	S/E of LED Executive Panel Light 2'x2' (4+4+4+4)= 16	16.00	No		
47	S/E of ceiling rose, bakelite.	10.00	No		
3. Academic Block 01					
48	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. (1"-dia)	4500.00	rft		
49	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches For main servive 50 mm i/d (2" dia)	400.00	rft		
50	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (i) (3/0.029") s/core	9000.00	Mtr		
51	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (7/0.029") s/core	5500.00	Mtr		
52	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (7/0.064") s/core	650.00	Mtr		
53	S/E of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc. (7"x4")	50.00	No		
54	S/E of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc. (10"x12")	24.00	No		
55	Supply and erection of girder clamp hook, 16 mm (5/8") with M.S. plate 25x6 mm (1"x¼"), with bolts and nuts for hanging & ceiling fans.	64.00	No		
56	Supply and erection of switches 10/15 Amp. recessed type	300.00	No		
57	Supply and erection of 3 pin. 5 Amp wall socket.	100.00	No		
58	Supply and erection of button holder. bakelite large size	150.00	No		
59	S/E of LED Bulb 30 watt	150.00	No		
60	Supply and erection of ceiling rose, bakelite.	80.00	No		
61	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. Plastic body 12" sweep	5.00	No		

62	<p>P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).</p> <p>2x(1.5'x2'x0.5') size</p> <p>Deduction Rs= 8240/-</p>	3.00	cft		
63	<p>P/F floor mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).</p> <p>300~600A</p>	75.00	cft		
64	<p>Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p> <p>Single Pole 6-40 Amp (6 KA)</p>	36.00	No		
65	<p>Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p> <p>Tripple pole 15-100 Amp (10 KA,15KA)</p>	8.00	No		
66	<p>Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge.</p> <p>Tripple pole 300-630 Amp(36 KA)</p>	1.00	No		
67	S/E of Ceiling Fan 56" size Energy Efficient Model (PEECA Approved)	64.00	No		
68	S/E of LED Flood Light 200 watt (Agree made China)	8.00	No		
69	Earthing of Main Panel up to deep water level 70mm copper rope with 1" dia copper rod complete in all respect	100.00	rft		
4. Academic Block. 02					
70	<p>S/E of PVC Duct (16"x38") size</p> <p>Ground Floor= 200'</p> <p>First Floor= 100'</p> <p>Open Area= 250'</p> <p>Corridor= 150'</p> <p>Total= 700'</p>	700.00	rft		
71	<p>Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches</p> <p>(i) (3/0.029") s/core</p> <p>Ground Floor= 500</p> <p>First Floor= 260 Total= 760 Mtr</p>	760.00	Mtr		

72	(ii) (7/0.029") s/core Ground Floor= 300 First Floor= 200 Total= 500 Mtr	500.00	Mtr		
73	(iii) (7/0.044") s/core Ground Floor= 215 First Floor= 100 Total= 315 Mtr	315.00	Mtr		
74	Supply and erection of switches 10/15 Amp. recessed type	175.00	No		
75	Supply and erection of 3 pin. 5 Amp wall socket.	70.00	No		
76	S/E of wooden Board with baklite sheet (i) (8"x10")	14.00	No		
77	(ii) (7"x4")	22.00	No		
78	Supply and erection of button holder. bakelite large size	64.00	No		
79	S/E of LED Bulb 30 watt	64.00	No		
80	Supply and erection of ceiling rose, bakelite.	30.00	No		
81	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. Plastic body 12" sweep Ground Floor= 5 First Floor= 3 Total= 8	8.00	No		
82	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. (i) Single Pole 6-40 Amp (6 KA)	12.00	No		
83	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. (ii) Double Pole 6-40 Amp (6 KA)	2.00	No		
84	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple pole 15-100 Amp (10 KA,15KA)	1.00	No		
85	S/E of LED Flood Light 200 watt (Agree made China)	6.00	No		

5. Faculty Block					
86	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. (1"-dia)	600.00	rft		
87	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches For main servive 50 mm i/d (2" dia)	500.00	rft		
88	Supply and erection of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (i) (3/0.029") s/core	900.00	Mtr		
89	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (ii) (7/0.029") s/core	400.00	Mtr		
90	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (iii) (7/0.044") s/core	300.00	Mtr		
91	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (iv) (7/0.064") s/core	1000.00	Mtr		
92	S/E of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc. (i) (7"x4")	30.00	No		
93	S/E of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc. (ii) (10"x12")	12.00	No		
94	Supply and erection of girder clamp hook, 16 mm (5/8") with M.S. plate 25x6 mm (1"x¼"), with bolts and nuts for hanging & ceiling fans.	18.00	No		
95	S/Eof switches 10/15 Amp. recessed type	140.00	No		
96	S/E of 3 pin. 5 Amp wall socket.	48.00	No		
97	S/E of button holder. bakelite large size	70.00	No		
98	S/E of LED Bulb 30 watt	70.00	No		
99	S/E of ceiling rose, bakelite.	24.00	No		
100	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. Plastic body 12" sweep	8.00	No		
101	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessdd/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately).	1.88	cft		

	2x(1.25'x1.5'x0.5') Deduction Rs=8240/-				
102	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. (i) Single Pole 6-40 Amp (6 KA)	24.00	No		
103	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple pole 15-100 Amp (10 KA,15KA)	2.00	No		
104	S/E of Ceiling Fan 56" size Energy Efficient Model (PEECA Approved)	14.00	No		
105	S/E of LED Flood Light 200 watt (Agree made China)	6.00	No		

6. Rest House

106	S/E of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. (1"-dia)	200.00	rft		
107	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (3/0.029") s/core	275.00	Mtr		
108	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (7/0.029") s/core	150.00	Mtr		
109	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (7/0.044") s/core	150.00	Mtr		
110	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (7/0.064") s/core	100.00	Mtr		
111	S/E of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc. (7"x4")	5.00	No		
112	S/E of M.S. sheet box of 16 SWG, 10 cm (4") deep, with 4.75 mm thick (3/16") bakelite sheet top, for recessed wiring, including making holes for regulators, switches, plugs, etc. (10"x12")	3.00	No		
113	Supply and erection of girder clamp hook, 16 mm (5/8") with M.S. plate 25x6 mm (1"x¼"), with bolts and nuts for hanging & ceiling fans.	3.00	No		
114	S/E of switches 10/15 Amp. recessed type	45.00	No		
115	S/E of 3 pin. 5 Amp wall socket.	10.00	No		
116	S/E of button holder. bakelite large size	14.00	No		

117	S/E of LED Bulb 30 watt	14.00	No		
118	S/E of ceiling rose, bakelite.	6.00	No		
119	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. Plastic body 12" sweep	2.00	No		
120	S/E of Ceiling Fan 56" size Energy Efficient Model (PEECA Approved)	3.00	No		

7. Main Library (E-Library)

121	S/E of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. (1"-dia) Rooms x2= 300' Lobby= 100' Security Room= 80' Waiting Room= 80' Outer= 40' Total= 600'	900.00	rft		
122	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (3/0.029") s/core	2000.00	Mtr		
123	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (7/0.029") s/core	5000.00	Mtr		
124	S/E of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 Core, 600/1000 volt armoured cable:- 70 mm sq (19/0.083") For 20 Ton HVAC unit heavy loading up to 80 KW of required.	100.00	Mtr		
125	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Small	20.00	No		
126	P/F PVC concealed Switch kit Box i/c the cost of screws complete as approved and directed by the Engineer Incharge Large	30.00	No		
127	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge Three pin Light Plug 10/13 Amp	10.00	No		
128	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge Fan Dimmer	20.00	No		
129	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by the Engineer Incharge Three Pin Power Plug 15-32 Amp	5.00	No		
130	P/F PVC double layer Switch kit Face plate with specified switch holes i/c the cost of switches / sockets / dimmer made of Hi-Life / Bush / Schenider, screws complete as approved and directed by	20.00	No		

	the Engineer Incharge 06 Gange				
131	P/F of LED Executive Panel Light 2'x2' total row 6 in one row light 10 (6x10)= 60	60.00	No		
132	P/F wall mounted DB (Distribution Board) made with 16SWG Sheet (Recessded/Surface mounted Type), Powder coated Paint, i/c the cost of Lock, Indication lights,Thimble, Copper Comb, Wiring, Netural & Earth Bar, Door Earthing, Digital Voltmeter,Digital Ammeter,Volt Selector Switch,Ammeter selector switch,Current Transformers and Controles Complete in all respect as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (2'x2'x0.5') size Deduction Rs=8240/-	2.00	cft		
133	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple pole 15-100 Amp (10 KA,15KA)	1.00	No		
134	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. Single Pole 6-40 Amp (6 KA)	36.00	No		
135	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMAN/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screwes,necessary wire complete in all respect as approved and directed by the Engineer Incharge. Double Pole 6-40 Amp (6 KA)	8.00	No		
136	S/E of Ceiling Fan 56" size Energy Efficient Model (NEECA Approved)	3.00	No		
137	S/E of wall Bracket Fan 18" size Energy Efficient (NEECA Approved)	16.00	No		
138	Providing and fixing Copper winded Exhaust fan with louver and shutter made of Pak/Younas/G.F.C. i/c the cost of necessary cable and hardware for connection from ceiling rose complete as approved and directed by Engineer Incharge. Plastic body 12" sweep	2.00	No		
139	S/E of LED Flood Light 200 watt (Agree made China)	10.00	No		
140	S/E of Rawal Bolt	20.00	No		
8. Multipurpose Hall (Auditorium)					
141	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects. (2x4x200') cft.	1600.00	cft		

142	S/E of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- PVC insulated, PVC sheathed 4 Core, 600/1000 volt armoured cable:- 70 mm sq (19/0.083")	300.00	Rft		
143	Dry brick paving laid flat, sand grouted, including preparation of bed by watering, ramming and bringing the same to proper camber, by ½"(13 mm) thick mud plaster. (0.75X200)= 150 sft	150.00	sft		
144	Rehandling of earthwork: Lead upto a single throw of Kassi, phaorah or shovel (2x4'x200')= 1600 cft	1600.00	cft		
145	S/E of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials. 25 mm i/d	700.00	Rft		
146	S/E of single core PVC insulated copper conductor cables, in prelaid PVC pipe/M.S. conduit/G.I pipe/wooden strip batten/wooden casing an capping/G.I. wire/trenches (rate for cables only):- 250/440 volts, PVC insulated: 7/1.12 mm (7/0.044") (For 9 No. of 4 ton Capacity HVAC Units)	4200.00	RFT		
147	P/F wall mounted Electric Panel board of required depth and size, fabricarted with 14SWG M.S sheet (Indoor/Outdoor Type),derusting, zinc Phosphated, finish with electro static powder coating in approved colour i/c the cost of Lock, Indication lights,thimbles, Copper Comb, Wiring, Netural & Earth Bar, glands,Current Transformers of specified capacity ,Door Earthing, Brass glands,bus bars,controles complete in all respects as approved and directed by the Engineer Incharge (Breakers will be Paid Separately). (2'x3'x1') = 6 cft LT Switchboards up to 12 Inch deep (300~600A)	6.00	cft		
148	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple Pole: 125-250 Amp(18 KA)	1.00	No		
149	Supplying ,Installation and commissioning of MCCB (Moulded Case Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY / TERASAKI JAPAN/SIEMEN/ABB SWITZERLAND (with fixed Thermal-Magnetic Trip) in prelaid DBs and Panels i/c the cost of screws, necessary wire complete in all respect as approved and directed by the Engineer Incharge. Tripple Pole: 15-63 Amp(7.5 KA)	10.00	No		

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150	Suppling,Installation and comissioning of MCB (Miniature Circuit Breaker) of specified rating made of LEGRAND FRANCE/ GE U.S.A / SCHNEIDER GERMANY /SIEMEN GERMANY/TERASAKI JAPAN/ ABB SWITZERLAND in prelaid DBs and Panels i/c the cost of screws,necessary wire complete in all respect as approved and directed by the Engineer Incharge. Single Pole: 6-40 Amp (6 KA)	12.00	No		
9. External Electrification work (LT overhead line roads lights etc.)					
151	P/F of LT Lattice steel structure pole (30'x8") long	20.00	No		
152	P/F of Pole stays	10.00	No		
153	P/F of M.S U-clamps	125.00	No		
154	Supply and erection of shackle insulator, medium size.	125.00	No		
155	S/E of Aluminum bare conductor WASP (Insulated conductor)	2500.00	Mtr		
156	Supply and erection of all aluminum stranded hard drawn bare conductor, of size 7/3.099 mm (7/0.122"). (Insulated conductor)	610.00	Mtr		
157	S/E of P.G Connector	60.00	No		
158	S/E of LC-116 Connector	60.00	No		
159	Earthing rod with GI wire and Clamp complete in all respect	30.00	No		
160	Supply and erection of street light pole bracket 30 mm (1¼") G.I. pipe 2 metre long, complete with 2 No. pole clamp.	20.00	No		
161	Supply and erection of pole mounted street light, holders, shade and glass, etc., for fitting 125/250 watts mercury vapour lamp (excluding cost of lamps) Philips design	25.00	No		
162	S/E of LED Bulb 30 watt	25.00	No		
163	Excavation of trenches in all kinds of soil, except cutting rock, for watersupply pipelines upto 5 ft. (1.5 m) depth from ground level, including trimming, dressing sides, leveling the beds of trenches to correct grade and cutting pits for joints, etc. complete in all respects.	7000.00	"/,		
164	Dry brick paving laid flat, sand grouted, including preparation of bed by watering, ramming and bringing the same to proper camber, by ½"(13 mm) thick mud plaster.	525.00	%sft		
165	Rehandling of earthwork: Lead upto a single throw of Kassi, phaorah or shovel	7000.00	"/,		
166	Supply and erection of bus bars, for 500 volts 3 phase A.C. supply with four copper bars, including glazed porcelain bridges, on angle iron board, fixed with rag bolts and M.S. sheet box 1.5 mm thick, etc. complete:- 500 Amp with 4 copper size 2"x1/4" (50x 6 mm)	4.00	No		

167	S/E of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. PVC insulated, PVC sheathed 4 Core, 600/1000 volt armoured cable (19/0.083")	100.00	Mtr		
168	S/E of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. PVC insulated, PVC sheathed 4 Core, 600/1000 volt armored cable(37/0.83")	100.00	Mtr		
169	S/E of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (7/0.044)	300.00	Mtr		
170	S/E of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc.(7/0.064)	300.00	Mtr		
171	Supply and erection of G.I. pipes for wiring purposes, including pull boxes, inspection boxes, bends, tees, etc. complete with all specials. 50 mm For Garden Lights 18x10=180 rft	180.00	rft		
172	S/E of Garden Lights (Gola)	18.00	No		
173	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design, including forms, moulds, shuttering, lifting, compacting, curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position, etc.) Type C (nominal mix 1: 2: 4) 18x2cft=36	36.00	cft		
174	Supply, insatllation, commissioning and testing of oil cooled type, Step down Power Transformer of specified rating,11/0.415 kV, i/c the cost of lifting hooks, thermometers, LT & HT bushing 5-steps, tap changer, imported double float buchholz relay, 2 earthing terminals, roller wheels, connecting terminals for cables M.S box on transformer in order to cover complete L.T side, all necessary materials required for connections on H.T & L.T side, rated voltage 11000/415/240 V impedance 6.25% or as specified by WAPDA/IEC system earth: Delta / Star, neutral solidly earthed, i/c Wapda testing charges,complete in all respects made of PEL, Siemens, as approved and directed by the Engineer Incharge 630 KVA Rating. Needed to be provided as per NOC received from FESCO subjected to the Approval of Extension of Load (Subjected to the NOC issued by FESCO)	1.00	No		
175	Transformer plat foundation (RCC) (6'x6') size (subjected to installation/provision of item no. 23	1.00	No		
176	special earthing for 630 kva transformer with 70 mm copper rope up to deep with load. (i) for Transformer body earthing. (ii) for Neutral at LT-side grounding. (110 rftx2)= 220	220.00	Rft		
177	11 kv XLP cable 3/c of s/c termination (of needed) (indoor + outdoor)	1.00	No		
178	PVC insulated PVC sheated aluminum cable 37/0.083 (i) VC feeder 50m (ii) Faculty feeder 50m	100.00	Mtr		
179	Cut out switch HRC Fuse 300 A/400A	2.00	No		
180	Cut out switch HRC Fuse 600A	1.00	No		
181	PVC tape OSAKA	50.00	No		

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182	Medical bandage 3" size	50.00	No		
183	S/E aluminum cable (61/0.093)	120.00	Mtr		
184	Wiring Test report of all the building including the cost of External Consultant Fee for FESCO for the Extension of Load complete in all respects	1.00	Job		
Total. B (Electrical Works)					
Net TOTAL: A+B {Civil+ Electrical}					
PST@ _____% AT NET TOTAL					
GRAND TOTAL:					
<u>Mandatory to Write in Words: (Urdu/English)</u>					

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