

**GOVERNMENT OF PAKISTAN**



**NATIONAL TEXTILE UNIVERSITY  
KARACHI CAMPUS**

St-2/1, Sector 30 Korangi Industrial Area Karachi 74900, Pakistan  
Tel. # 92 (21) 35066955, 35063589, Fax # 92 (21) 35060373

**BID DOCUMENT FOR**  
**RENOVATION OF OLD BUILDINGS OF**  
**NTU KARACHI CAMPUS**

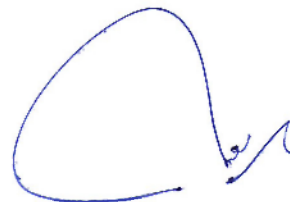
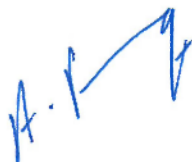
## Terms and Conditions of the Tender

1. The National Textile University, Karachi Campus, invites sealed bids from the eligible bidders for **Renovation of Old Buildings of NTU Karachi Campus**.
2. Tender fee is Rs. 2500/- (Rupee Twenty-Five Hundred Only) non-refundable.
3. The National Textile University, Karachi Campus, will not be responsible for any costs or expenses incurred by bidders in connection with the preparation or delivery of bids.
4. The Rector (Competent Authority) reserves the right to accept or reject one or all the tenders.
5. Undertaking on stamp paper that firm is not involved in any litigation, Departmental rift, abandoned or unnecessary delay in completion of any work in the Government Departments.
6. In case the offer is withdrawn, amended or revised during the validity period of the tender, the earnest money will be forfeited.
7. If the contractor fails to start the work as mentioned in work order the 02% Call Deposit (CDR) amount will be forfeited and the firm will not be allowed to participate in future tenders.
8. Execution/installation of the said tender will be carried out at NTU Karachi Campus.
9. Electricity (WAPDA) can be supplied by the university, on sub-meter to be provided by the contractor, the contractor will pay the electricity charges on actual basis.
10. The Firm should be enlisted with Services & Works Department Sindh (Building Department) / Sindh Revenue Authority, Pakistan Engineering Council
11. It shall be the responsibility of the contractor to remove debris / rubbish from the site of works and leave the place neat and tidy after the completion of work. Nothing extra shall be paid for it.
12. If the Contractor fails to fulfill the clause (11) of this tender terms & conditions, the University will shift the rubbish material outside the university and the expenses occurs will be deducted from the contractor's bill/ retention money.

13. In case the Contractor have quoted the rates by more than 30% below from the engineer's estimates or composite schedule of rates (CSR) the procuring agency reserves the rights to reject such bids in the light of clause 11-3-4 (Amended 2017)
14. Conditional (any condition imposed by the bidder) Tender will not be accepted.
15. No telephonic tender will be entertained.
16. Tender rates and amount should be filled in figure as well as in word and every page of the tender should be stamped and signed by the Bidder.
17. If there is any conflict in B.O.Q, it is fundamental term of the tender that the bidders acknowledge and accepts that the terms and condition of the university shall prevail.
18. Please note that any typographical/copying mistake in the B.O.Q/ Tender is amendable according to its appropriate manner. No benefit due to typographical/copying mistake can be claimed at any stage by the firm.
19. An affidavit duly attested by the Oath Commissioner/Notary Public showing that the firm is not Blacklist from any Government /Semi Government Department.
20. The university will award the contract to the successful bidders whose tender has been determined to be substantially responsive and has been determined as lowest evaluated tender
21. In case any material is found not in conformity with the specification provided in the tender either on account of inferior quality defective workmanship the contractor demolishes the work and rectify the same on the entire satisfaction of the engineer in charge.
22. The payment will be made on the availability of funds (approval from government planning agencies other relevant authorities and university management) if delay due to any reason no extra interest/mark up any type of claim will be accepted/paid to the firm/contractor.

Note: - For any query regarding tender, feel free to contact to the following person from Monday to Friday during office hours.

**Muhammad Yasir Shahzad**  
**Assistant Engineer (Civil)**  
**NTU Karachi Campus**  
**Contact No. 0321-6837843**



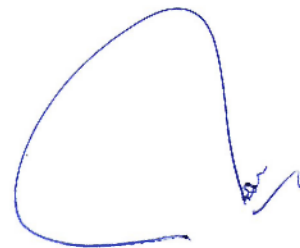
**Eligibility/Qualification Criteria:**

The bidding firms should submit their bids along with the following information/documents:

**The Bid contains the following information.**

- a. Valid licenses of Pakistan Engineering Council, i.e. category C6/CE10 (specialization).
- b. Enlistment with Works and Services Department Govt. of Sindh in respective category
- c. Registration with Income Tax Department (NTN copy) and Sindh Revenue Board, (Sales Tax Registration) and copy of CNIC.
- d. Documentary evidence of minimum 3 works of equivalent cost or above executed in last 3 years and Certificate.
- e. List of work and copy of letter of award of work / work orders of equivalent cost or above.
- f. List of machinery and equipment available with documentary proof of its ownership.
- g. Certificate of bank showing credit worthiness along with current bank statement.
- h. Affidavit that the company has not been black listed in any Govt., Semi Govt. and local Govt. organizations.
- i. The 2% earnest money shall be submitted in the shape of call deposit issued from scheduled bank at the time of submission of bidding document in favor of NTU, Karachi Campus.
- j. Affidavit to the effect that all documents / particulars / information furnished are true and correct.
- k. Tender fee Rs. 2500/- non-refundable.

Seek

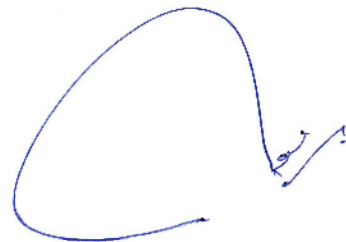
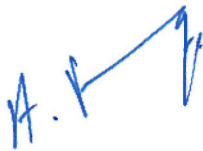


**Certificate (Mandatory)**

I authorized (person) ----- on behalf of company  
(name) ----- solemnly declare that  
I have read all terms and conditions of this tender documents for National Textile University  
Karachi Campus carefully. I also undertake the responsibility that all given information in the  
tender proposal against the above said tender are true and correct.

Signature & company stamp-----

Date:



**National Textile University Karachi Campus**

**Name of Work: Renovation of Old Buildings of NTU Karachi Campus.**

Name of the Contractor/Firm \_\_\_\_\_

Full Address \_\_\_\_\_

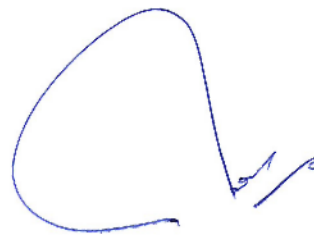

Telephone No (Office) \_\_\_\_\_

(Mobile) \_\_\_\_\_

Amount of earnest money  
Rs @ 2% of Tender Cost \_\_\_\_\_

Deposit at call no \_\_\_\_\_

Proprietor's/Managing Director' \_\_\_\_\_



## **SUMMARY OF COST**

Schedule rates are based on CSR 2012

(Enforced from 12 July 2012, issued by Govt. of Sindh)

and Non Schedule rates are the rates based on open market rate.

**Total Estimated Cost Rs. 19,935,907.00**

**Contractor's Bid:**

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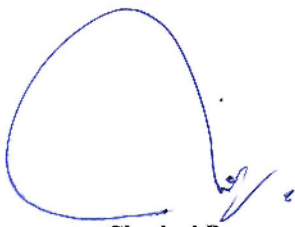
**Seal and signature of Contractor/Firms**

Prepared By:

  
**Muhammad Yasir Shahzad**  
Assistant Engineer (Civil)  
NTU Karachi Campus



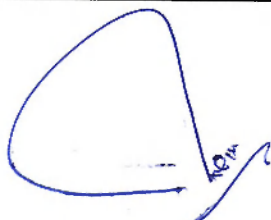
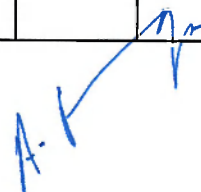
Checked By:

  
**Dr. Syed Saqib Shams**  
Project Incharge,  
NTU Karachi Campus

## B.O.Q for Renovation of Karachi Campus

Schedule rates are based on CSR 2012 (Enforced from 12 July 2012, issued by Govt. of Sindh)

Sr.#	Description	ENGINEER'S ESTIMATE				CONTRACTOR BID	
		Qty.	Unit	Rate	Amount	Rate	Amount
<b>CAFETERIA</b>							
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto 5 ft.in ordinary	432.00	%OCFT	3176.25	1372.14		
2	Cement concrete brick or stone ballast 1½ " to 2" gauge, in foundation and plinth:Ratio 1: 4: 8	85.49	%CFT	9416.28	8049.98		
3	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering, curing, rendering and finishing the exposed surface (i/c screening and washing of shingle.) Reinforced cement concrete in roof slab, beams, extra. columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members, complete in all respects. (Ratio 1:2:4) 90 lbs cement 2cft sand 4 cft shingle 1/8" to 1/4" gauge.	79.26	P.Cft	337.00	26710.62		
4	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 moval of rust from bars) using Tor bars	109.75	%Kg	10830.03	11885.96		
5	Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor super structure including raking out joints and curring etc.	480.61	%Cft	15771.01	75797.05		
6	Cement plaster 1:4 upto 12' height ½" thick.	1991.26	%Sft	2283.93	45478.98		



7	Damp proof course with cement sand and shingle concrete 1:2:4 including 2 coats of asphalt mixture. (b) 2" thick.	85.11	%Sft	3912.85	3330.23		
8	P/F G.I sheet rolling shutter using 2 gauge G.I sheet for shutter, side iron channel of 12 gauge for rolling on 2" dia C.I pipe i/c bracket of 20 gauge, springs of requisite size and rolling pulley, necessary hold fasts, nut bolts, welding, greasing, all carriage, T&P required for making and fixing in masonry.	114	P.Sft	264.96	30205.44		
9	S/F in position aluminium channels framing for sliding windows and ventilators of Alcop made with 5mm thick tinted glass glazing (belgium) and aluminium fly screen i/c handles, stoppers and locking arrangement etc. complete. (b) Delux model (bronze).	35.2	P.Sft	1,647.69	57,998.69		
10	P/F 24" x18" lavatory basin in white glazed earthen ware complete with and i/c the cost of WI or CI cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia malleable iron or CP brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth and floor of pipe connection and making good in cement concrete 1:2:4 (standard pattern).	1	Each	4253.70	4253.70		
11	Add extra for labour for providing and fixing of earthen ware pedestal white or coloured glazed (foreign or equivalent).	1	Each	938.47	938.47		
12	P/F Steel sink stainless local make complete with cast iron or wrought iron brackets 6" built in wall, 1-1/2" CP rubber plug chrome plated brass chain, 1-1/2" CP brass waste, with 1-1/2" PVC waste pipe and making requisite No of holes in wall and plinth and floor for pipe connection and making good in cement concrete 1:2:4. steel sink stainless sized 36" x 18" local make. (Standard Pattern)	2	Each	5162.30	10324.60		
13	S/F soap tray of made plastic of superior quality and design with fine finishing with CP screws etc. complete	2	Each	169.40	338.80		

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14	Asbestos cement corrugated sheet roofing i/c necessary overlaps and GI hook bolts nuts screws washers and bitumen etc.	525	%Sft	12141.25	63741.56		
15	Cement concrete plain including placing compacting, finishing and curing complete i/c screening and washing stone aggregate without shuttering. Ratio 1:2:4	210.4	%Sft	14,429.25	30359.14		
16	Priming coat of chalk distemper.	1963.76	%Sft	442.75	8694.55		
16	Distemping (New surface) three	1963.76	%Sft	1079.65	21201.73		
17	Providing and laying (main or sub main) PVC insulated with size 2-3/.029 copper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	15	P.Mtr	173.00	2595.00		
19	P/F in position doors, windows and ventilators of 2"x2"x1/4" angle iron frames and 1-3/4" thick commercial ply wood veneer shutters of deodar wood (3 ply) on both sides including hold fasts, hinges, iron tower bolts, cleats, handles and one mortice lock.	60	P.Sft	933.75	56025.00		
20	Painting new surfaces:- preparing surface and painting of doors and windows any type (including edges).	120	%Sft	2116.41	2539.69		
21	Bottom Khuras of masonry in cement mortar 1:6, 4"x2"x4 1/2" over 3" cement concrete 1:4:8.	1	Each	649.83	649.83		
22	Plain galvanized iron sheets of 22 SWG rain water down pipe i/c clamp and fixed in place. 4" dia.	10	P. Rft	80.71	807.10		
23	Supplying and fixing sink mixture cock of superior quality with C.P head etc. complete.	2	Each	2,745.60	5,491.20		
24	P/F C.P towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws. Towel rail 30" long: 3/4" dia round or square (superior quality).	1	Each	1269.95	1269.95		
25	S/F wash basin mixer of superior quality with c.p head 1/2" dia.	1	Each	2882.00	2882.00		
26	S/F in position C.P Bib cock 3/4" dia standard pattern.	6	Each	348.92	2093.52		

27	Excavation for pipe lines in trenches and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade complete in all respect. Lift upto 5 ft and lead upto one chain.	289	%oCft	3600.00	1040.40		
28	Providing and laying and jointing RCC pipes (Rubber gasket joints) of ASTM C-76-62 T/C-76-70 of class II wall B and fixing in trench i/c cutting, fitting and jointing with rubber ring i/c testing with water to specified pressure.8" dia.	55	P.Rft	229.00	12595.00		
29	Wiring for fan or light point with 3/.029 PVC insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required.	2	Each	1130.00	2260.00		
30	Wiring for plug point with 3/.029 PVC insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required.	4	Each	985.00	3940.00		
31	Providing and fixing circuit breaker 6, 10, 15, 20, 30, 40, 50 & 63 amp SP (TB-5S) on prepared board as required.	1	Each	916.00	916.00		
<b>NON SCHEDULED ITEMS</b>							
1	Providing and fixing electric Distribution Board i/c switches (8+2), 5 Amps with back boxes and front plates, Best quality, complete in all respect and as directed.	2	Each	540.00	1080.00		
2	P/F tubelight including LED Rod 36 watt, choke starter with frame complete in all respect and as directed by the Engineer in-charge.	2	Each	900.00	1800.00		
<b>Total</b>					<b>498,666.33</b>		

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**BUILDING RENOVATION**

Comprising of Class Rooms, Building Repair, Termite Proofing, Dismantling work, Wash Rooms Building outside Paint

1	Scraping:- Ordinary distemper, oil bound distemper, or paint of wall.	155873.68	%Sft	226.88	353646		
2	Dismantling cement block masonry.	237	%Sft	1134.38	2688.48		
3	Dismantling cement concrete reinforced, separating reinforcement from concrete, cleaning and straightening the same.	727.94	%Cft	5445.00	39636.33		
4	Dismantling cement concrete plain 1:2:4.	1402.72	%Cft	3327.50	46675.51		
5	Removing of cement or lime plaster.	4354.63	%Sft	121.00	5269.10		
6	Dismantling glazed or encaustic tiles etc.	5145.50	%Sft	786.50	40469.36		
7	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto a single throw of kassi phawra or showel.in ordinary soil.	959	%Cft	3176.25	3046.02		
8	Preparing the surface and painting with matt finish paint of approved make to old matt finish surface. 2	8595.5	%Sft	1772.38	152344.92		
9	Distemping (old surface): 2 coats.	18295.75	%Sft	1043.90	190989.33		
10	Preparing the surface and painting (i) with weather coat of approved make to old surface. 2 coats.	78437.09	%Sft	1498.48	1175364.11		
(ii)	Extra labour for external surface for distemper, paint, white wash etc. above 20' height using long ladder or jhoola for each coat. (for every 10' additional height) upto 30' height.	27218.38	%Sft	1726.57	469944.38		
(iii)	upto 40' height.	13391.64	%Sft	1954.66	261761.03		
(vi)	upto 50' height.	4245	%Sft	2182.75	92657.74		
15	Rubbing and polishing old mosaic floor.	88600.44	%Sft	1228.92	1088828.53		
16	Providing and applying Hi-Bond (sealer) water proofing polymer modified cementitious slurries (WPMCS) to be used as water proofing, anticorrosion, weather resistance or curring membrane for fresh concrete having thickness upto 2mm in two coats textured or trowel finish grey or coloured i/c preparing the surface for application as directed by the engineer.	50958	%Sft	2282.77	1163253.94		

17	Providing and laying 1:3:6 cement concrete solid block masonry wall 6' and below in thickness set in 1:6 cement mortar in ground floor super structure including raking out joints and curring etc.	467.5	%Cft	15771.01	73729.47		
18	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.):- Reinforced cement concrete in roof slab, beams, extra. columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- Type C (nominal mix 1: 2: 4)	1466.92	P.Cft	337.00	494352.04		
19	Extra cost due to use of Hi-Bond pre-packaged polymer modified mortar as an admixture in concrete mix for increasing durability, to be used in concreting, flooring, block/brick masonry or plastering as % by weight of cement. (1 kg hi-bond admixture per bag of cement)	370	P.Kg	459.80	170126.00		
20	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) using Tor bars	1997.94	%Kg	10830.03	216377.50		
21	Mosaic tiles of white cement 12" x 12" x 1" of approved shade laid flat I 1:2 white cement mortar over a bed of 3/4" thick grey cement mortar.	911.48	%Sft	9338.74	85120.75		
22	Cement concrete plain including placing compacting, finishing and curing complete i/c screening and washing stone aggregate without shuttering. 1:2:4	619.29	%Cft	14429.25	89358.90		
23	Cement plaster 1:4 upto 20' (6.00 m) height:- 1/2" thick.	9874.63	%Sft	2283.93	225529.64		

24	P/F in position doors, windows and ventilators of 2"x2"x1/4" angle iron frames and 1-3/4" thick commercial ply wood veneer shutters of deodar wood (3 ply) on both sides including hold fasts, hinges, iron tower bolts, cleats, handles and one mortice lock.	146	%Sft	933.75	136327.50		
25	Providing and fixing squatting type white glazed earthen ware WC pan with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth and floor for pipe connections and making good in cement concrete 1:2:4.W.C of not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia earthen ware trap and palstic thumble.	35	Each	4846.60	169631.00		
26	Providing and fixing European type white glazed earthen ware wash down WC Comode pan complete with and including the cost of white/black plastic seat (Best quality) and lid with c.p brass hinges best quality and buffers 3 gallons plastic flushing cistern with internal fitting and clamp 3/4" dia and cutting and making requisite No of holes in walls, plinth and floor for pipe connection and making good in cement concrete 1:2:4.	10	Each	5339.40	53394.00		
27	Providing and fixing flat back lipped from urinal basin (of not less than 17" height) of white glazed earthen ware etc. complete with and including the cost of 1 gallon C.I automatic flushing cistern, complete in all respect as per item description.	14	Each	3890.70	54469.80		
28	P/F 24" x18" lavatory Basin in white glazed earthen ware complete with and i/c the cost of WI or CI cantilever brackets 6 inches built into wall, painted white in two coats after a primary coat of red lead paint, a pair of 1/2" dia malleable iron or CP brass traps malleable iron or brass unions and making requisite number of holes in walls, plinth and floor of pipe connection and making good in cement concrete 1:2:4 (standard pattern).	25	Each	4253.70	106342.50		

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29	Add extra for labour for providing and fixing of earthen ware pedestal white or coloured glazed (foreign or	25	P.Rft	938.47	23461.75		
30	P/F Steel sink stainless local make complete with cast iron or wrought iron brackets 6" built in wall, 1-1/2" CP rubber plug chrome plated brass chain, 1-1/2" CP brass waste, with 1-1/2" PVC waste pipe and making requisite No of holes in wall and plinth and floor for pipe connection and making good in cement concrete 1:2:4. steel sink stainless sized 36" x 18" local make. (Standard Pattern)	3	Each	5162.30	15486.90		
31	Supplying and fixing sink mixture cock of superior quality with C.P head etc. complete.	3	Each	2745.60	8236.80		
32	P/F C.P towel rail complete with brackets fixing on wooden cleats with 1" long c.p brass screws. Towel rail 30" long: 3/4" dia round or square (superior quality).	12	Each	1269.95	15239.40		
33	S/F wash basin mixture of superior quality with c.p head 1/2" dia.	25	Each	2882.00	72050.00		
34	S/F in position C.P Bib cock 1/2" dia standard pattern.	40	Each	150.92	6036.80		
35	S/F soap tray of made plastic of superior quality and design with fine finishing with CP screws etc. complete	20	Each	169.40	3388.00		
36	P/F 24" x 18" bavelled edge mirror of belgium glass complete with 1/8" thick hard board and cp screws fixed to wooden pleat. best quality.	30	Each	1711.60	51348.00		
37	Providing and Laying uPVC pipes of class B fixing in trench i/c cutting, fitting, and jointing with solvent cement i/c testing with water to a head of 200 ft. 4" dia	600	P.Rft	136.00	81600.00		
38	Cartage of uPVC/PE pipes of any class by mechanical transport i/c loading unloading and stacking at site. 4" dia. (App. 6 miles)	600	%Rft	20.39	122.34		
39	Providing and Laying uPVC pipes of class B fixing in trench i/c cutting, fitting, and jointing with solvent cement i/c testing with water to a head of 200 ft. 3" dia	3632	P.Rft	90.00	326880.00		
40	Cartage of uPVC/PE pipes of any class by mechanical transport i/c loading unloading and stacking at site. 3" dia. (App. 6 miles)	3632	%Rft	12.23	444.19		

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44	Providing and Laying uPVC pipes of class D fixing in trench i/c cutting, fitting, and jointing with solvent cement i/c testing with water to a head of 400 ft. 3/4" dia	600	P.Rft	19.00	11400.00		
45	Providing and Laying uPVC pipes of class D fixing in trench i/c cutting, fitting, and jointing with solvent cement i/c testing with water to a head of 400 ft. 1/2" dia	930	P.Rft	12.00	11160.00		
46	Cartage of uPVC/PE pipes of any class by mechanical transport i/c loading unloading and stacking at site. 2" dia. (App. 6 miles)	1530	%Rft	5.57	85.22		
47	White glazed tiles 1/4" thick dado jointed in white cement and laid over 1:2 cement sand mortar 3/4" thick including finishig etc. complete.	3113.5	%Sft	28253.61	879676.15		
48	Painting old sufaces:Painting doors and widows any type. 2 coats.	1763.44	%Sft	1160.06	20456.96		
49	Painting old sufaces: Painting guard bars, gates, iron bar gratings, railings i/c standard braces etc. and similar open work.	7769.94	%Sft	977.40	75943.39		
50	Varnishing wood work including cleaning and repairing surface.3 coats.	613	%Sft	1919.50	11766.54		
51	Bottom Khuras of masonry in cement mortar 1:6, 4'x2'x4 1/2" over 3" cement concrete 1:4:8.	8	Each	649.83	5198.64		
52	Plain galvanized iron sheets of 22 SWG rain water down pipe i/c clamp and fixed in place. 4" dia.	70	P.Rft	80.71	5649.70		
53	Making and fixing steel grated doors complete with locking arrangement angle iron frame 2"x2"x3/8" and 3/4" square bars 4" center to center.	208	P.Sft	726.72	151157.76		
54	Making and fixing steel grated doors complete with flat iron frame 2"x3/8" and 3/4" square bars 4" center to	516	P.Sft	293.15	151265.40		
55	S/F in position aluminium channels framing for hinged doors of Alcop made with 5mm thick tinted glass glazing (belgium) and Alpha (Japan) locks i/c handles, stoppers and locking arrangement etc. complete. Duluxe Model (white).	56	P.Sft	1450.76	81242.56		



56	S/F window blinds (Horizontal/vertical) with plain design and of approved quality i/c fixing in windows with necessary accessories.	2086.5	P.Sft	84.69	176705.69		
57	P/F aluminum sheet on doors pasted with glue as per requirement	300	P.Sft	63.77	19131.00		
58	Providing anti-termite treatment by spraying /sprinkiling/spreading Neptachlar 0.5% Emulsion is an overall pre-construction treatment in slab type construction under the slab and along attached perches or entrances etc. complete as per directions of E.I.	9850	P.Sft	9.74	95939.00		
59	Providing and fixing Brass ceiling fan 56" (good quality)	4	Each	3185.00	12740.00		
<b>NON SCHEDULED ITEMS</b>							
1	P/F Cabinets consisting of shelves including 3/4" thick Lasani/chip board, including grooves on leaf and moulding with all hardware and locking arrangement complete in all respect and as directed by the Engineer in-charge. This item also include all channels, handles and hardware.	250	P.Sft	600.00	150000.00		
2	Supply, installation, fixing, wiring, testing and commissioning of wall bracket fans 24" dia of approved quality complete.	20	Each	6700.00	134000.00		
3	Supply and installation of general exhaust fan 8" diameter of approved quality complete in all respect.	10	Each	3250.00	32500.00		
4	Supplying and installation of approved quality Air Conditioner (Inverter type) 2 Ton capacity (Haier or equivalent) i/c fitting testing etc complete in all respect.	8	Each	103200.00	825600.00		
5	P/F false cieling chip board/ply wood of same size and quality (repair work) including aluminium frame work complete and as directed.	1280	P.Sft	150.00	192000.00		
6	Suppling and fixing in repairing of rollers and other work of best quality in Aluminium windows.	240	Each	420.00	100800.00		

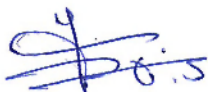
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7	Providing and fitting PVC specials 90 and 45 degree bends/elbows of approved quality and manufacture i/c jointing material etc. complete in all respect. 1/2" dia. Pak Arab Grade 50 or equivalent.	50	Each	40.00	2000.00		
8	Providing and fitting PVC specials 90 and 45 degree bends/elbows of approved quality and manufacture i/c jointing material etc. complete in all respect. 3/4" dia. Pak Arab Grade 50 or equivalent.	30	Each	60.00	1800.00		
9	Providing and fitting PVC specials 90 and 45 degree bends/elbows of approved quality and manufacture i/c jointing material etc. complete in all respect. 3" dia. FECPCO Grade 80 or equivalent.	50	Each	140.00	7000.00		
10	Providing and fitting PVC specials 90 and 45 degree bends/elbows of approved quality and manufacture i/c jointing material etc. complete in all respect. 4" dia. FEPCO G80 or equivalent.	20	Each	200.00	4000.00		
11	Providing and fitting PVC specials/Unions of approved quality and manufacture i/c jointing material etc. complete in all respect. 1/2" dia. Pak Arab G50 or equivalent	20	Each	120.00	2400.00		
12	Providing and fitting PVC specials/Unions of approved quality and manufacture i/c jointing material etc. complete in all respect. 3/4" dia. Pak Arab G50 or equivalent	10	Each	150.00	1500.00		
13	Providing and fitting PVC specials/Unions of approved quality and manufacture i/c jointing material etc. complete in all respect. 3" dia. Hvdroplast or equivalent.	10	P.Sft	1170.00	11700.00		
14	Providing and fitting PVC specials/Unions of approved quality and manufacture i/c jointing material etc. complete in all respect. 4" dia. Hvdroplast or equivalent.	5	Each	1650.00	8250.00		
15	Providing and fitting PVC specials/Sockets of approved quality and manufacture i/c jointing material etc. complete in all respect. 1/2" dia. Pak Arab Grade 50 or equivalent.	30	Each	30.00	900.00		

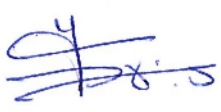
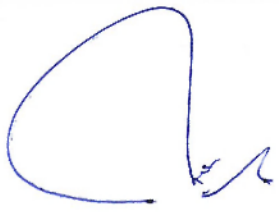

16	Providing and fitting PVC specials/Sockets of approved quality and manufacture i/c jointing material etc. complete in all respect. 3/4" dia. Pak Arab Grade 50 or equivalent.	10	Each	50.00	500.00		
17	Providing and fitting PVC specials/Sockets of approved quality and manufacture i/c jointing material etc. complete in all respect. 3" dia. FEPCO Grade 80 or equivalent.	30	Each	610.00	18300.00		
18	Providing and fitting PVC specials/Sockets of approved quality and manufacture i/c jointing material etc. complete in all respect. 4" dia. FEPCO G80 or equivalent.	8	Each	990.00	7920.00		
19	Providing and fitting PVC specials/Valves of approved quality and manufacture i/c jointing material etc. complete in all respect. 1/2" dia. Pak Arab G50 or equivalent	10	Each	160.00	1600.00		
20	Providing and fitting PVC specials/Valves of approved quality and manufacture i/c jointing material etc. complete in all respect. 3/4" dia. Pak Arab G50 or equivalent	5	Each	210.00	1050.00		
21	Providing and fitting PVC specials/Valves of approved quality and manufacture i/c jointing material etc. complete in all respect. 3" dia. Hydroplast or equivalent.	10	Each	2,250.00	22500.00		
22	Providing and fitting PVC specials/Valves of approved quality and manufacture i/c jointing material etc. complete in all respect. 4" dia. Hydroplast or equivalent.	5	Each	4340.00	21700.00		
23	Providing and fitting PVC specials/Tees of approved quality and manufacture i/c jointing material etc. complete in all respect. 1/2" dia. Pak Arab G50 or equivalent	20	Each	45.00	900.00		
24	Providing and fitting PVC specials/Tees of approved quality and manufacture i/c jointing material etc. complete in all respect. 3/4" dia. Pak Arab G50 or equivalent.	10	Each	60.00	600.00		







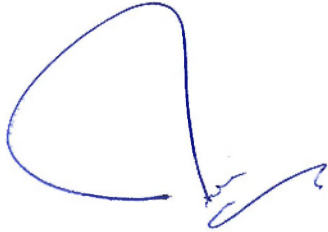
25	Providing and fitting PVC specials/Tees of approved quality and manufacture i/c jonting material etc. complete in all respect. 3" dia. FEPCO grade 80 or equivalent.	40	P.Sft	1300.00	52000.00		
26	Providing and fitting PVC specials/Bush of approved quality and manufacture i/c jonting material etc. complete in all respect. FEPCO grade 80 or equivalent.	5	P.Sft	190.00	950.00		
	Total				10,877,616.28		

CAR PARKING							
1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto 5 ft. in ordinary soil.	300	%oCft	3176.25	952.88		
2	Filling, watering and ramming earth under floors with new earth (excavated from outside), lead upto one chain (30 m) and lift upto 5 ft.	8370	P.Cft	10.00	83700.00		
3	Extra for every 50 ft, additional lead or part thereof: (a) for earth work (soft, ordinary, hard and very hard) (This rate shall apply to half mile)	8370	%oCft	5321.18	44538.28		
4	Earthwork compaction (soft, ordinary or hard soil):- (b) laying earth in 6" layers levelling and dressing and watering for Compaction etc. complete.	8370	%o Cft	354.00	2962.98		
5	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:Ratio 1: 4: 8	14.06	% Cft	9416.28	1323.93		
6	Cement concrete plain including placing compacting, finishing and curing complete i/c screening and washing stone aggregate without shuttering. (f) 1:2:4	168.75	% Cft	14429.25	24349.36		
7	Cement plaster 1:4 upto 12' height:- (b) ½" (13 mm) thick.	131.25	%Sft	2283.93	2997.66		
8	Providing and fixing cement paving blocks flooring having size of 197x97x60 (mm) of city/ quadra/ cobble shape with natural colours, having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner/ pattern and etc. complete.	8576	P. Sft	199.77	1713227.52		
9	Providing and fixing precast Edge Block (Kerb stone) 3750 PSI industrial made size 6" thick x 12"x12" i/c the cost of cartage, excavation, form work for haunching, 1450 PSI lean concrete, 2250 PSI concrete for haunching, 1:4 cement sand mortar.	562	P. Rft	297.01	166919.62		
NON SCHEDULED ITEMS							

1	Providing and fixing Fiber Glass Shed comprises of 3" dia G.I Pipe 14 SWG as vertical posts with base plate of size 8" x 8" (12mm thick), M.S square pipe 1-1/2" x 1-1/2" 16 SWG for trusses and main frame, M.S square pipe 1" x 1" 16 SWG for trusses and making panels of suitable size, 3mm thick Fiber Glass Sheet i/c fitting, welding, bolting, riveting, cleaning of square pipes with kerosene oil, 3 coats of synthetic anamel paint to exposed metal surface in addition of one coat of red oxide paint and all type labour Charges and making arrangement for water proofing, etc complete in all respect and as directed by the Engineer. Excluding the base arrangement of PCC footing.	2200	P.Sft	430.00	946000.00	
					2,986,972.22	

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A.F. 

LANDSCAPING						
1	Dismantling brick or flagged flooring without concrete foundation.	7483	%Sft	257.13	19241.04	
2.	Dismantling sirki sarkanda or thatched roofing supported on battens	3480	%Sft	817.10	28435.08	
3.	Dismantling sleeper huts.	1200.00	%Sft	605.00	7260.00	
4.	Dismantling from any height asbestos sheets and ridge coping.	1200.00	%Sft	272.25	3267.00	
5.	Providing and fixing cement paving blocks flooring having size of 197x97x60 (mm) of city/ quadra/ cobble shape with natural colours, having strength b/w 5000 psi to 8500 psi i/c filling the joints with hill sand and laying in specified manner/ pattern and etc. complete.	6189	P.Sft	199.77	1236376.53	
NON SCHEDULED ITEMS						
1	Providing plants and landscaping for the beautiful view of the univesity campus, as plan submitted by the contractor. Approved by the Engineer and Competent Authority.				1205000.00	
Total					2,499,579.65	

**SECURITY OFFICE, RECEPTION AND MAIN GATE**

1	Preparing the surface and painting with matt finish paint of approved make to old matt finish surface. 2 coats.	2443.38	%Sft	1772.38	43305.98		
2.	Distemping: 2 coats (cielings)	1389.19	%Sft	1043.90	14501.75		
3.	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering, curing, rendering and finishing the exposed surface (i/c screening and washing of shingle.) (a) (i) Reinforced cement concrete in roof slab, beams, extra. columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members, complete in all respects. (Ratio 1: 2: 4) 90 lbs cement 2cft sand 4 cft shingle 1/8" to 1/4" gauge.	34.02	P.Cft	337.00	11464.74		
4.	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 moval of rust from bars) using Tor bars	105.03	%Kg	10830.03	11374.78		
5.	Providing and fixing squating type white glazed earthen ware WC pan with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plunth and floor for pipe connections and making good in cement concrete 1:2:4. (b) W.C of not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia earthen ware trap and palstic thumble.	2	Each	4846.60	9693.20		
6.	Making and fixing steel grated doors complete with flat iron frame 2"x3/8" and 3/4" square bars 4" center to center.	48	P.Sft	293.15	14071.20		



7.	S/F in position aluminium channels framing for hinged doors of Alcop made with 5mm thick tinted glass glazing (belgium) and Alpha (Japan) locks i/c handles, stoppers and locking arrangement etc. complete. (a) Duluxe Model (white).	28	P.Sft	1450.76	40621.28		
8.	S/F window blinds (Horizontal/vertical) with plain design and of approved quality i/c fixing in windows with necessary accessories.	196	P.Sft	84.69	16599.24		
9.	Painting old surfaces: (d) Painting guard bars, gates, iron bar gratings, railings i/c standard braces etc. and similar open work.	376.94	%Sft	977.40	3684.21		
<b>NON SCHEDULED ITEMS</b>							
1	P/F veerona marble top on tables i/c cutting, grinding, finishing, fixing complete in all respect.	81	P.Sft	350.00	28350.00		
<b>Total</b>					<b>193,666.38</b>		







**SECURITY HUTS**

1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and rammiing lead upto 5 ft. (b) in ordinary soil.	90	%oCft	3176.25	285.86		
2	Cement concrete brick or stone ballast 1½ " to 2" (40 mm to 50 mm) gauge, in foundation and plinth:Ratio 1: 4: 8	43.23	%Cft	9416.28	4070.66		
3	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds, lifting, shuttering, curing, rendering and finishing the exposed surface (i/c screening and washing of shingle.) (a) (i) Reinforced cement concrete in roof slab, beams, extra. columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members, complete in all respects. (Ratio 1: 2: 4) 90 lbs cement 2cft sand 4 cft shingle 1/8" to 1/4" gauge.	344.66	P.Cft	337.00	116150.42		
4	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 moval of rust from bars) using Tor bars	1064.03	%Kg	10830.03	115234.77		
5	Providing and laying 1:3:6 cement concrete solid block masonry wall 6" and below in thickness set in 1:6 cement mortar in ground floor super structure including raking out joints and curring etc.	594.41	%Cft	15771.01	93744.46		
6	Cement plaster 1:4 upto 12' height:- (b) ½" (13 mm) thick.	3076	%Sft	2283.93	70253.69		
7	Damp proof course with cement sand and shingle concrete 1:2:4 including 2 coats of asphalt mixture.1-1/2" thick.	90	%Sft	2586.12	2327.51		
8	Priming coat of chalk distemper.	3076	%Sft	442.75	13618.99		
9	Distempring: (c) three coats	3076	%Sft	1079.65	33210.03		

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10	Providing G.I pipe, specials, and clamps etc. i/c fixing, cutting and fitting complete with and i/c the cost of breaking through walls and roof, making good etc. painting two coats after cleaning the pipe etc. with white zink paint with pigment to match the colour of building and testing with water to a pressure head of 200 ft and handling. 1/2" dia pipe.	260	P.Rft	73.21	19034.60		
11	Providing and fixing squatting type white glazed earthen ware WC pan with including the cost of flushing cistern with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth and floor for pipe connections and making good in cement concrete 1:2:4. (b) W.C of not less than 19" clear opening between flushing rims and 3 gallons flushing tank with 4" dia earthen ware trap and palstic thumble.	2	Each	4846.60	9693.20		
12	P/F in position doors, windows and ventilators of 2"x2"x1/4" angle iron frames and 1-3/4" thick commercial ply wood veneer shutters of deodar wood (3 ply) on both sides including hold fasts, hinges, iron tower bolts, cleats, handles and one mortice lock.	60	P.Sft	933.75	56025.00		
13	Painting new surfaces:- © preparing surface and painting of doors and windows any type (including edges).	90	%Sft	2116.41	1904.77		
14	Bottom Khuras of brick masonry in cement mortar 1:6, 4'x2'x4 1/2" over 3" cement concrete 1:4:8.	2	Each	649.83	1299.66		
15	Plain galvanized iron sheets of 22 SWG rain water down pipe i/c clamp and fixed in place. 4" dia.	64	P.Rft	80.71	5165.44		
16	S/F in position C.P Bib cock 1/2" dia standard pattern.	2	Each	150.92	301.84		
17	Fabrication of heavy steel work with agles, tees, flat iron, round iron and sheet iron for making trusses etc. i/c cutting, drilling riveting, handling, assembling, and fixing but excluding erection in position. + Erecting rolled steel beams or rails erection for posts etc. (1" dia rolled steel bar ladder for roof access)	129.36	CWT	5021.06	6495.24		

18	Providing and applying Hi-Bond (sealer) water proofing polymer modified cementitious slurries (WPMCS) to be used as water proofing, anticorrosion, weather resistance or curring membrane for fresh concrete having thickness upto 2mm in two coats textured or trowel finish grey or coloured i/c preparing the surface for application as directed by the engineer.	600	%Sft	2282.77	13696.62		
	Total				562,512.76		

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**SEWERAGE SYSTEM**

1	Excavation for pipe lines in trenches and pits in soft soils i/c trimming and dressing sides to true alignment and shape, levelling of beds of trenches to correct level and grade, cutting joint holes ect complete in all respect. Lift upto 5 ft and lead upto one chain	15540	%oCft	3600.00	55944.00		
2	P/L RCC pipes of ASTM C-76-72 T/C 76-70 of class II Wall B and fixing in trench i/c cutting fitting and jointing with rubber ring i/c testing with water to specific pressure. (b) 12"	740	P.Rft	412.00	304880.00		
3	Cartage of RCC pipes any class/ASTM/Pre-stressed with collars by mechanical transport i/c loading unloading and stacking at site. 12" dia. (App. 14 miles)	740	%Rft	543.34	4020.72		
4	Constructing manhole for the required dia of circular sewer and 7"-9" depth with walls of B.B in cement mortar 1:3 cement plastered 1:3, 1/2" thick inside of walls and 1" thick over benching and cannel i/c fixing C.I manhole cover with frame of clear opening 2'x2' of 4.5 cwt embeded in plain C.C 1:2:4 and two way reinforced 6" thickness i/c fixing 1" dia M.S steps 6" wide projecting 4" from the face of wall at 12" c/c duly painted etc completed as per standard specifications	12	Each	45049.00	540588.00		
5	Cleaning inside sewerage lines completely restoring original silt free space/diameter or pipe lines by labour and equipment (Mechanically/Electrically driven) i/c accessories like pullye's steel rope, bucket and draggers sizing from 6" to 18" dia. Their "to and fro" pulling action (No of passes shall be as many as required). the job includes the cost of all equipment ect. complete in all respect as mentioned in Ch. 16 PHE (Desludging the Sewerage lines). (i) 12" dia.	1845	P.Rft	80.50	148522.50		
6	Cleaning of Septic tank/soak pit i/c dewatering, removing the sewage and solid wastes and throwing outside the municipal limits and cleaning the walls ceilings and bottom of tank.	210	P.Rft	13.31	2795.10		

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7	Cleaning/desilting of manhole/inspection chambers i/c cleaning and roding of connected sewers, and throwing outside KMC limits.	27	Each	474.83	12820.41		
8	Cleaning and decontamination of under ground/overhead water tank with chemical i/c dewatering and cleaning the walls with hand brush, applying potassium per magnate coat to eliminate all bacteria's germs and removing the algae and vegetal growth and white washing two coats.	2284	P. Sft	7.27	16604.68		
9	Vertical damp proof course of 3/4" thick cement plaster 1:2 with bitumen at 20 Lbs % sft. (for Septic Tanks i/c polishing of Hi-Bond sealent material).	1296	%Sft	2760.99	35782.43		
<b>Total</b>					<b>1,121,957.84</b>		

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**EXTERNAL ELECTRICAL WORK**

1	Construction of RCC foundation as per following specification and instruction of Engineer Incharge for 31/40 ft long tubular pole: Excavation of soft hard soil 3'x3'x5.5' stone soiling 3'x3'x6" making lean in the ration of 1:4:8 length of MS bolts 61/2" (3/4" dia) 4 Nos. and making thread on MS rod template round bar 4 Nos. to be welded with MS rod RCC foundation 1:2:4 with appropriate size 2'x2'x6.5'.	20	Each	15168.00	303360.00		
2	Providing and Fixing of MS tubular pole as following specification to fixed on pre-cast foundation with the help of hydraulic crane and manual labour. 20 ft of 6" dia + 5.5 ft of 5" dia + 5.5 ft of 4" dia = 31 ft long, wall thickness 8 SWG, Base plate 18"x18"x3/4" Hole 4 No stiffeners 4 No 9-1/2x4-1/2"x1/2" making window in the pole required size with LN key provision, 2 coats red oxide as rust preventive and of required oil paint 2 coats as per site requirement and instructions of Engineer Incharge.	20	Each	36697.00	733940.00		
3	Providing and laying Main or Sub-Main PVC insulated & PVC sheeted with 4 core copper conductor 300/500 volts size 2.5mm <sup>2</sup> . (including clipping arrangement with walls)	120	P.Mtr	252.80	30336.00		
4	P/F of street light 125 watts (HPMV) having IP 54 Classification with 125W lamp, choke, capacitor and internal wiring complete in all respect at the height up to 31 ft as per site requirement and instruction of EI.	20	Each	6365.00	127300.00		
<b>Total</b>					<b>1,194,936.00</b>		

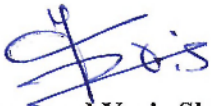
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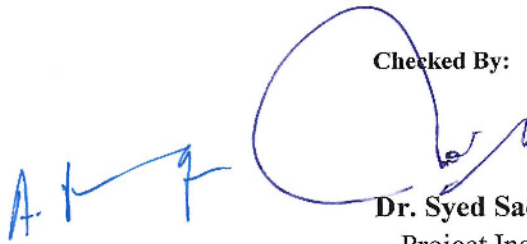
<b>Summary of Cost</b>		
	<b>Estimated Cost</b>	<b>Contractor Bid Amount</b>
<b>REFURBISHING PHASE-I</b>		
CAFETERIA	498,666.33	
BUILDING RENOVATION	10,877,616.28	
<b>Grand Total</b>	<b>11,376,282.61</b>	
<b>EXTERNAL DEVELOPMENT PHASE-I</b>		
CAR PARKING	2,986,972.22	
LANDSCAPING	2,499,579.65	
SECURITY OFFICE, RECEPTION AND MAIN GATE	193,666.38	
SECURITY HUTS	562,512.76	
SEWERAGE SYSTEM	1,121,957.84	
EXTERNAL ELECTRICAL WORK	1,194,936.00	
<b>Grand Total</b>	<b>8,559,624.85</b>	

Prepared By:



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Checked By:



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