

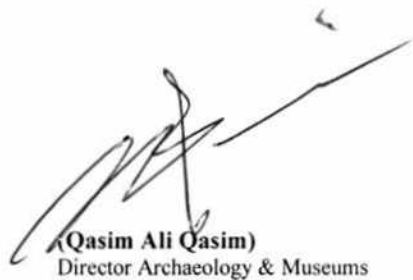
Bid Evaluation Report

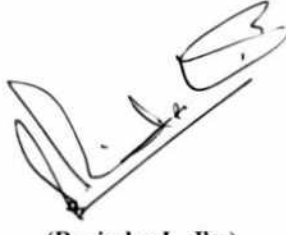
1. Name of Procuring Agency: PDMI&E CELL Culture, Tourism & Antiquities Department, Government of Sindh, Karachi
2. Tender Reference No: No.DIR/PDMI&E CELL/CT&AD/ADP-2014-15/502 Dated 12.05.2015
3. Tender Description: Protection, Preservation, Promotion and Development of world Heritage Sites of Makli Hill Monuments, Thatto (**Tender-1**)
4. Method of Procurement: Single Stage – Two Envelope Procedure as per SPPRA Rule-2010
5. Tender Published: SPPRA on Dated 16.05.2015 SPPRA.No.24180
Daily The Dawn Karachi INF-KRY-1896/15 Dated 16.05.2015
Daily Jang Karachi INF-KRY-1896/15 Dated 16.05.2015
Daily Sindh Express Hyderabad INF-KRY-1896/15 Dated 16.05.2015
6. Total Bid documents Sold; 04 (Four)
7. Total Bids Received: 01 (One)
8. Technical Bid Opening date: 01.06.2015
9. No. of Bid technically qualified (if applicable) 01 (One)
10. Bid(s) Rejected: Null
11. Financial Bid Opening date: 09.07.2015


12. Bid Evaluation Report:


S.#	Name of Firm or Bidder	Cost offered by the Bidder	Ranking In terms of cost	Comparison with estimated cost	Reasons for acceptance/ Rejection	Remarks
0	1	2	3	4	5	6
1.	M/S Waliullah Bhutto	398,800,668	Lowest	Within the budget estimated Cost	Below the Technical Sanction	Recommended for Contract Award


(Engr. Zafar Iqbal)
Executive Engineer
Local Government Department
Government of Sindh
Member


(Qasim Ali Qasim)
Director Archaeology & Museums
Culture, Tourism & Antiquities Department
Government of Sindh
Member


(Ravinder L. Jha)
Senior Research Officer
Information & Archives Department
Government of Sindh
Member


(Roshan Ali Kanasro)
Deputy Director, PDMI&E Cell
Culture, Tourism & Antiquities Department
Government of Sindh
Member/Secretary


(Abdul Karim Solangi)
Special Secretary/ Director PDMI&E Cell
Culture, Tourism & Antiquities Department
Government of Sindh
Chairman


Bid Evaluation Report

1. Name of Procuring Agency: PDMI&E CELL Culture, Tourism & Antiquities Department, Government of Sindh, Karachi
2. Tender Reference No: No.DIR/PDMI&E CELL/CT&AD/ADP-2014-15/502 Dated 12.05.2015
3. Tender Description: Protection, Preservation, Promotion and Development of Bhanbhor Sites at Thatto (**Tender-2**)
4. Method of Procurement: Single Stage – Two Envelope Procedure as per SPPRA Rule-2010
5. Tender Published: SPPRA on Dated 16.05.2015 SPPRA.No.24180
Daily The Dawn Karachi INF-KRY-1896/15 Dated 16.05.2015
Daily Jang Karachi INF-KRY-1896/15 Dated 16.05.2015
Daily Sindh Express Hyderabad INF-KRY-1896/15 Dated 16.05.2015
6. Total Bid documents Sold; 04 (Four)
7. Total Bids Received: 01 (One)
8. Technical Bid Opening date: 01.06.2015
9. No. of Bid technically qualified (if applicable) 01 (One)
10. Bid(s) Rejected: Nil
11. Financial Bid Opening date: 09.07.2015


12. Bid Evaluation Report:


S.#	Name of Firm or Bidder	Cost offered by the Bidder	Ranking In terms of cost	Comparison with estimated cost	Reasons for acceptance/ Rejection	Remarks
0	1	2	3	4	5	6
1.	M/S Waliullah Bhutto	199,541,268	Lowest	Within the budget estimated Cost	Below the Technical Sanction	Recommended for Contract Award


(Engr. Zafar Iqbal)
Executive Engineer
Local Government Department
Government of Sindh
Member


(Qasim Ali Qasim)
Director Archaeology & Museums
Culture, Tourism & Antiquities Department
Government of Sindh
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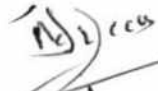





(Ravinder L. Jha)
Senior Research Officer
Information & Archives Department
Government of Sindh
Member


(Roshan Ali Kanasro)
Deputy Director, PDMI&E Cell
Culture, Tourism & Antiquities Department
Government of Sindh
Member/Secretary


(Abdul Kareem Solangi)
Special Secretary/ Director PDMI&E Cell
Culture, Tourism & Antiquities Department
Government of Sindh
Chairman

ATTENDANCE OF PARTICIPANTS

NIT INF-KRY NO.1896 /15 OEPENING OF BIDS/ BOQ'S
DATED 09.07.2015 AT 03.00 (PM)
IN THE OFFICE OF DIRECTOR PDMI&E CELL
CULTURE, TOURISM AND ANTTIQUITIES DEPARTMENT

NO.	NAME OF OFFICER	DESIGNATION/DEPARTMENT	SIGNATURE
1	Mr. Abdul Kareem Solangi Chairman	Special Secretary / Director PDMI&E Cell Culture, Tourism & Antiquities Department	
2	Mr. Qasim Ali Qasim Member	Director Archaeology & Museum Culture, Tourism & Antiquities Department	
3	Engr. Zafar Iqbal Member	Executive Engineer Local Government Department Government of Sindh	
4	Mr. Ravinder L. Jha Member	Senior Research Officer Directorate of Sindh Archives Information & Archives Department Government of Sindh	
5	Mr. Roshan Ali Kanasro Member/Secretary	Deputy Director PDMI&E Cell Culture, Tourism & Antiquities Department	

GOVERNMENT OF SINDH



COMPARATIVE STATEMENT

**Protection, Preservation, Promotion & Development at
Bhanbhore Site at Gharo District Thatto**

CULTURE, TOURISM AND ANTIQUITIES DEPARTMENT

Protection, Preservation, Promotion & Development at Bhanbhore Site at Gharo District Thatto

COMPARATIVE STATEMENT

S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	

PART - A (Civil Work)

1	Excavation in foundation of building bridges and other structures i/c dagbelling dressing refilling around structure with excavated earth watering and ramming lead upto one chain and lift upto 5ft.	7,470	P. Cft	20.00	149,400
2	Cement concrete brick or stone ballast 1-1/2" to 2" gauge 1:4:8.	1,868	P. Cft	147.00	274,596
3	Providing and laying RCC using crushed graded bajri 3/4" and down gauge having a minimum works cube crushing strength of 3000 PSI at 28 days with mix not leaner than 1:2:4 in all kind of RCC works, foundation, plinth beam, lintels, slabs, Chajja etc all type of RCC work excepting architectural elevation and excepting the cost of reinforcement as directed by the Engineer Incharge.	1,909	P. Cft	447.00	853,323
4	Fabrication of ribbed deformed steel reinforcement bars with and including the cost of cutting, bending, binding and laying in position complete in all kind of RCC work and extra provision for future extension.	84	P. Cwt	6,825.00	573,300
5	Extra for using S.R. Cement in place of ordinary port land cement.	515	Per Bag	132.00	67,980
6	Providing and laying "Ashlar-Fine" masonry in lime mortar 1:1:1. in foundation, plinth and basement including scaffolding, curing etc. complete as directed by the Engineer Incharge.	9,338	P. Cft	460	4,295,480
7	Providing and laying 1:3:6 Cement concrete Solid block masnorey wall above 6" thickness set in 1:6 cement sand mortar in ground floor superstructure i/c racking of joints and curing etc complete.	12,583	P. Sft	147	1,849,701
8	Surfac rendering Cement plaster 1:4 upto 12' height b) 3/4" thick external	13,695	P. Sft	147	2,013,165
9	Providing and fixing Arrow design iron grill fixed in wall complete in all respect i/c cartage as per direction by the Engineer Incharge (18 feet x 3 feet).	1,245	P. Rft	473	588,885
10	Providing and fixing steel gate of size 3.5' x 7.0' with RCC Pillars as per direction by the Engineer Incharge.	1	Each	90,000	90,000
11	Providing and laying flash lime pointing 1:1:1	4,980	P. Sft	132	657,360







12	Painting on steel or iron work with synthetic enamel paint i/c rubbing and priming coat etc complete as per direction of the Engineer Incharge	6,640	P. Sft	79	524,560
13	Excavation in foundation of building and bridges and other structures i/c deg belling dressing refilling around structure with excavated earth.	22,555	P. Cft	20	451,100
14	Refilling the excavated stuff in trenches 6" thick layer including watering, ramming to full compaction etc. complete.	12,945	P. Cft	15	194,175
15	Filling, watering and ramming earth under floor with new earth excavated from outside including the cost of carriage from the source to the site of work lead upto 15 miles as required by Engineer Incharge. Concrete works	27,768	P. Cft	58	1,610,544
16	Cement concrete plain including placing, compacting, finishing and curing complete.				
	a) Lean concrete 1:4:8	2,402	P. Cft	147	353,094
	b) 4" thick Sub-floor 1:3:6	2,828	P. Cft	163	460,964
17	Reinforced cement concrete works 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 surfaces (including screening and washing of shingles) a) RCC work in roof slab, beams, columns, rafts, lintels and other structural member laid in situ or precast laid in position complete in all respect. i) Ratio-1:2:4	16,387	P. Cft	445	7,292,215
18	Fabrication of mild steel reinforcement for R.C.C. including cutting, bending, laying in position, making joints and fastening including the cost of binding wire (also removal of rust from bars) using for bars.	1,506	P. Cwt	6,800	10,240,800
19	Random Rubble Masonary (Uncoursed)	4,385	P. Cft	315	1,381,275
20	Providing and laying 1:3:6 Cement concrete Solid block masnorey wall above 6" thickness set in 1:6 cement sand mortar in ground floor superstructure i/c racking of joints and curing etc complete.	8,304	P. Sft	147	1,220,688
21	Difference of SR Cement	942	Per Bag	132	124,344
22	Flooring Providing and laying 3" thick cement concrete flooring (1:2:4) including surface finishing and diving strips into panels (plinth protection)	1,119	P. Sft	132	147,708
23	Providing/ laying floors of approved coloured Pocolain/ Glazed tile 5/8" thick laid in white cement/pigment on a bed of 3/4" thick cement mortar 1:2 (13"x18")	354	P. Sft	788	278,952
24	Provide/lay Porcelin/glazed tile dado 5/8" thick laid in pigment over 1:2 cement sand mortar 3/4" thick including finishing (13"x18")	1,374	P. Sft	735	1,009,890

25	Providing and laying white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of the joints. a) 1" thick	7,277	P. Sft	1,050	7,640,850
26	Providing and fixing 3/8" thick white marble tile of approved quality and colour and shape 12" x 6" in dado skirting and facing etc complete.	556	P. Sft	368	204,608
27	Providing and laying new 3mm water proofing membrane of approved designed shape laid flat with all material and labour. Complete in all respects to the entire satisfaction of the consultant entire satisfaction of consultant of site.	9,290	P. Sft	342	3,177,180
28	Providing and laying 3" thick topping CC 1:2:4 surface i/c finishing and dividing into panels.	9,290	P. Sft	137	1,272,730
29	Surfac rendering Cement plaster 1:4 upto 12' height				
	a) 1/2" thick internal	29,829	P. Sft	126	3,758,454
	b) 3/4" thick external	29,829	P. Sft	147	4,384,863
	Distemperring				
30	a) Primary coat of chalk wash	7,454	P. Sft	27	201,258
	c) Three coats	7,454	P. Sft	63	469,602
31	Preparing the surface and painting with matt finish i/c rubbing the surface with Bathy (silicon carbide rubbing brick) filling the void with zink/ chalk/ plaster of paris mixture, applying first coat permix, making the surface smooth and then painting 3 coats with matt finish of approved make etc; complete new surface. c) Three coats	17,693	P. Sft	95	1,680,835
32	Providing and applying three coats of enamel paint of approved make, shade and quality of finished surface at location shown on drawings or as directed by the consultant. Applied at any level i/c rubbing the surface and making the surface smooth i/c providing and applying primer coat of approved quality, complete in all respects conforming to the requirements of the drawings, specification and to the entire stisfaction of the consultant, entire satisfaction of consultant of site.	1,436	P. Sft	90	129,240
33	Preparing the surface and painting with weather coat including rubbing the surface with rubbing brick / sand paper, filling the voids with chalk / plaster of paris and then painting with weather coat of approved make 3 coats (External)	12,137	P. Sft	111	1,347,207
34	Providing & fixing G.I. frames / Choukhats of size 7"x2" or 4 1/2" x 3" for doors using 20 guage G.I. sheet i/c welded hinges, tower bolts, locking arrangement and fixing at site i/c glass (Belgium) in pannel i/c of flush door with necessary hold fasts, filling with cement sand sliry of ratio 1:6 and repairing the jambs, also i/c wooden beading the cost also i/c all carriage, tools and plants used in making and fixing.	1,276	P. Sft	2,205	2,813,580






 (CC 4)







35	Supplying & fixing in position Aluminium channels framing for sliding window & ventilators of Alcope made with 5m thick tinted glass glazing (Belgium) and Aluminium fly screen i/c handles, stoppers & locking arrangement etc complete (Deluxe model "Bronze").	722	P. Sft	2,900	2,038,800
36	RCC spouts best quality as directed by Architect incharge entire satisfaction of consultant of site.	16	Each	1,050	16,800
37	S/F in position square bars iron grill of 3/8" x 3/8" size of approved design including painting 3 coats etc complete (weight not to be less than 3.7 lbs/sq foot of finishing grill).	722	P. Sft	473	341,506
38	Making and fixing steel grated door with 1/16" thick sheeting including angle iron frame 2"x 3/8" and 3/4" square bars 4" centre to centre with locking arrangement.	335	P. Sft	1,890	633,150
39	Hard wood railing of any shape and design including bends and corners fixed in position i/c polishing complete as directed by consultant.	80	P. Sft	2,415	193,200
40	Providing & fixing Aluminium sheet on doors pasted with glue as per requirement	95	P. Sft	84	7,980
41	Erection/removal of Centring for RCC or plain concrete.	31,837	P. Sft	84	2,674,308
42	Damp proof course with (cement, sand & shinger concrete- 1:2:4) including 2 coats of asphaltic mixture 2" thick.	716	P. Sft	79	56,564
43	Ornamental works	50	P. Sft	3,675	183,750
44	Provide & apply floating coat of PB4 in foundation.	6,016	P. Sft	21	126,336
45	P/F squatting type white glazed earthen ware W.C. Pan with front bush inlet and complete w/ht i/c the cost of flushing eastern with internal fitting and flush pipe with bent and making requisite number of holes in walls plinth and floor for pipe connection and making good in CC 1:2:4 (foreign equivalent) WC pan 19" eastern ware low level flush tank 3 gallons with 4" dia CI trap (Pg - 1, S.No. 2b-i)	16	Each	8,075	129,200
46	P/F European type white glazed earthen ware wash down W.C. Pan complete with and i/c cost of white / black plastic seat (best quality) and lid with CP brass hinges & buffers 3 gallons white glazed earthen ware low level flushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requisite number of holes in wall plinth and floor for pipe connections and making good in CC 1:2:4 (Foreign quality) (Pg - 2, S.No. 5)	4	Each	15,200	60,800
47	P/F 22" x 16" lavatory basin in white glazed earthenware complete with i/c the cost of WI or CI cantilever brackets 6 inches built into walls painted white in 2 coats after primary coats of red lead paint and pair of 1/2" dia chrome brass waste or approved patterns 1-1/4" dia malleable iron or CP brass traps malleable iron or brass unions and making requisite number of holes in walls plinth and floor and making good in cement concrete 1:2:4 (Pg - 4, S.No. 13)	20	Each	8,265	165,300






48	Add: Extra for labour for providing and fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent) (Pg - 3, S.No. 11)	20	Each	3,369	67,380
49	P/F uPVC P-Trap / WYE Elbow 45% (Pak Arab, Accufit or Equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	40	Each	1,135	45,400
50	P/F in position Nylooon connection complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nylooon connection (Pg - 6, S.No. 23)	60	Each	595	35,700
51	P/F wash basin mixture of superior quality with CP head (Pg - 19, S.No. 14b)	28	Each	4,229	118,412
52	P/F cancaeled Tee stop cock 1/2" dia superior quality with CP head (Pg - 18, S.No. 12b)	54	Each	1,183	63,882
53	P/F long bib cock of crystal head with 1/2" dia (Pg - 19, S.No. 13b)	20	Each	1,842	36,840
54	S/F CP Muslim shower with double Bib cock and ring pipe etc complete (Pg - 19, S.No. 19a)	16	Each	4,565	73,040
55	S/F CP Muslim shower (Hand shower) with crystal head etc complete (Pg - 19, S.No. 19b)	16	Each	4,564	73,024
56	P/F 24" x 18" beveled edge mirror of Belgium glass complete with 1/8" thick hard board and CP screws fixed to wooden plate. (Pg - 7, S.No. 3b)	28	Each	3,161	88,508
57	S/F soap tray earthen ware with CP screw etc complete (Pg - 8, S.No. 5)	30	Each	662	19,860
58	P/F chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long CP brass screws (i) Towel rail 36" long (ii) 3/4" dia round or square (Superior quality) (Pg - 7, S.No. 1)	16	Each	1,878	30,048
59	P/F CP brass toilet paper holder of standard size with chrome plated brass bracket complete (Similar to twyford's design No. 1108) (Superior quality) (Pg - 7, S.No. 2b)	16	Each	1,425	22,800
	Providing and fixing handle valves (China) (Pg - 17, S.No. 5)				
	(i) 3/4" dia	12	Each	361	4,332
	(ii) 1" dia	12	Each	486	5,832
	(iii) 1-1/4" dia	6	Each	632	3,792
	(iv) 1-1/2" dia	6	Each	852	5,112
	(v) 2" dia	6	Each	1,839	11,034







61	P/F water pumping set 2 HP 2800 RMP single phase 220 volts 1" x 1", 40 feet head i/c base plate and also making CC 1:3:6 plate form of required size and fixing with nuts and bolts complete in all respect (Schedule of Electricla Works Pg - 30, S.No. 13)	2	Each	48,499	9,998
62	Excavation for pipe line in trenches and pits in hard rock by hammering and chiselling i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus hard rock within a one chain as directed by Engineer Incharge. Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upto one chain (30.5 m) (Schedule of Public Health Engineering Works Pg - 64, S.No. 10)	5,040	P. Cft	23	115,920
63	Providing and fixing uPVC Pipe (Pak Arab, Accufit or equivalent) Schedule 40 on surface or concealed masonry / cement concrete or RCC upto required height jointing by using solvent (AGM or equivalent) and making good with CC i/c finishing etc complete. This rate also i/c all kind of labour, material, cartage etc. as approved by Engineer / Incharge (RA Approved)	200	Rft	88	17,600
		2,000	Rft	100	200,000
		1,000	Rft	141	141,000
		800	Rft	180	144,000
		600	Rft	238	142,800
		400	Rft	276	110,400
64	P/F uPVC Elbow 90% dia (Pak Arab, Accufit or equivalent) Schedule 40 make of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	12	Each	86	1,032
		120	Each	95	11,400
		12	Each	112	1,344
		12	Each	153	1,836
		12	Each	171	2,052
		12	Each	233	2,796

65	P/F uPVC Union "Solvent" (Pak Arab, Accufit or equivalent) Schedule 40 make of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)				6	Each	80	480
	(i) 1/2" dia							
	(ii) 3/4" dia							
	(iii) 1" dia							
	(iv) 1-1/4" dia							
	(v) 1-1/2" dia							
	(vi) 2" dia							
66	P/F uPVC Socket (Pak Arab, Accufit or equivalent) Schedule 40 make of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)				12	Each	80	960
	(i) 1/2" dia							
	(ii) 3/4" dia							
	(iii) 1" dia							
	(iv) 1-1/4" dia							
	(v) 1-1/2" dia							
	(vi) 2" dia							
67	P/F uPVC TEE (Pak Arab, Accufit or equivalent) Schedule 40 make of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)				12	Each	91	1,092
	(i) 1/2" dia							
	(ii) 3/4" dia							
	(iii) 1" dia							
	(iv) 1-1/4" dia							
	(v) 1-1/2" dia							
	(vi) 2" dia							

68	Providing and fixing uPVC Pipe (Pak Arab, Accufit or equivalent) Schedule 40 on surface and digging the trenches to required depth not less than 12" and fixing in position i/c cutting fitting and jointing using approved solvent (AGM or equivalent) etc complete. This rate also i/c all kind of labour, material, cartage etc. as approved by Engineer / Incharge (RA Approved)	(i) 4" dia	1,000	Rft	564	564,000
		(ii) 6" dia	400	Rft	812	324,800
		(iii) 8" dia	800	Rft	1,025	820,000
		P/F uPVC Elbow 90° dia (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)				
69	P/F uPVC TEE (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	(i) 4" dia	12	Each	466	5,592
70	P/F uPVC Socket (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	(i) 4" dia	18	Each	665	11,970
71	P/F uPVC Plastic Clip (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	(i) 4" dia	12	Each	570	6,840
72	P/F uPVC WYE 45% (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	(i) 4" dia	24	Each	563	13,512
73	P/F uPVC Plug Elbow (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	(i) 4" dia	12	Each	1,135	13,620
74	P/F uPVC Tee (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	(i) 4" dia	12	Each	828	9,936





75	P/F uPVC Plug TEE (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	12	Each	1,033	12,396
		(i) 4" dia			
76	P/F uPVC Cowel (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	12	Each	475	5,700
		(i) 4" dia			

PART - B (Construction of Lake)

77	Preparation of Architectural / Conservation of Site documents as per direction of the Consultant and Engineer Incharge etc complete in all respects.	1	P. Job	2,400,000	2,400,000
78	Research of Soil Investigation through excavation with bore holes will be drilled at site upto 50 ft. Investigation / research report will be submitted (3 set of documents)	1	P. Job	1,900,000	1,900,000
79	Drifting / D-silting upto 5 feet depth and disposing of the silt upto 3 chains as per instructions of Site Engineer (Approx Area 01 Sq.Km)	1	P. Job	46,000,000	46,000,000
80	Provision has been made for the arrangements of fresh water to fill the lake, it also includes the construction of pumping station etc.	1	P. Job	22,000,000	22,000,000
81	Provision has been made for the making of wooden hanging bridges (3 Nos.) Over Lake	1	P. Job	8,500,000	8,500,000
82	Provision has been made for the establishment of small food area (3 Nos) over island in lake.	1	P. Job	2,800,000	2,800,000
79	Supplying and stacking approved garden soil (sweet earth) free from salts, pebbles and grass roots etc. including all leads and lifts.	10,750	Per Cft	130	1,397,500
80	Spreading approved garden soil (sweet earth) in uniform thickness including mixing and breaking clods and dressing fine for grassing including disposal of rubbish within 3 chains (92 m) complete.	10,750	Per Cft	86	924,500
78	Supplying live (local) grass in slabs with earth intact including all lead and lifts.	10,750	Per Cft	48	516,000
79	Providing and laying Rose plant of diferent colours	300	Each	475	142,500
79	Providing and lyaing Chambale plants	250	Each	523	130,750
80	Providing and lyaing Jamna plants	200	Each	428	85,600

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81	Providing and lyaing Papaya plants	200	Each	523	104,600
82	Providing and lyaing Kohno plants	4,000	Each	380	1,520,000
83	Providing and lyaing Local Trees plants	600	Each	285	171,000

PART - C (Electrical Works)

A. SEC-A: AIR CONDITION INSTALLATIONS:

84	Installation of Split type Air-conditioning units (Haier / Mitsubishi / Hitachi or Equivalent as approved by the consultant) as shown on the drawing, including making cuts / holes in walls and floors etc; and making good the same as required sealing the holes with Zahabiya Universal Bonding Adhesive ZUBA 16/123 where required, complete in all respects.				
101	Split type wall mounted impored A/C 2 ton with capacity 24000 btu/hr. suitable to operate single phase. 6/123 where required, complete in all respects.	6	Each	157,500	945,000
2	Supply and installation of additional copper piping where required.	100	P. Rft	1,890	189,000
3	Providing and making of masonry pad for floor mounted units.	6	Each	10,500	63,000
4	Supply and installation of condensate drain piping 25mm dia PVC, including accessories, complete with levelling of drain pipes.	250	P. Rft	263	65,750
5	Testing, Commissioning & Balancing of A/C units.	1	P. Job	31,500	31,500

B. SEC-B: WIRING INSTALLATIONS:

1	Provide, wire and connect 3x1.5 sq. mm S/C PVC cable in 20mm dia high impact PVC conduit recessed in slab/wall, complete with all accessories, for:				
101	One light point controlled through one switch (from switch to point).	46	Each	6,510	299,460
102	Additional light point controlled through the switch of first light point (from point to point).	96	Each	5,670	544,320
103	Wiring of 5 Amp Socket point/Shaker socket point connected to switch board.	5	Each	4,200	21,000
104	Ceiling fan points, complete with providing and installing of metal fan box.	40	Each	7,140	285,600
105	Wiring of Bracket Fan points.	2	Each	4,200	8,400
106	Wiring of Exhaust Fan points.	4	Each	5,460	21,840

107	Wiring of call bell points (from bell push button to bell outside the door including circuit wiring from nearest switch)	4	Each	6,300	25,200
2	Same as Item No. 1, but provide, wire and connect 2x2.5mm ² +1x1.5mm ² S/C PVC cable for:				
201	Circuits for light/fan points	27	Each	7,560	204,120
202	5 Amps socket outlet points.	55	Each	6,510	358,050
203	15 Amps socket outlet points.	6	Each	6,825	40,950
204	Wiring of Control circuit for Split A/C Unit from outdoor A/C unit to indoor unit.	6	Each	4,200	25,200
3	Same as Item No. 1, but provide, wire and connect 2 x 6mm ² + 1 x 2.5mm ² S/C PVC cable in 25 mm dia PVC conduit, for:				
301	Split A/C point:	6	Each	7,980	47,880
4	Same as item No.1, but wiring with 3 x 6mm.sq. + 2 x 4mm.sq. PVC S/C Cable IN 32 mm DIA PVC CONDUIT				
401	Wiring of circuit for water pump from Main DB	25	Mtr	2,730	68,250
5	Providing, wiring and connecting of TV points with WISI make or equivalent 2x75 OHMS TV antenna coaxial cable RG6U single shielded having centre conductor of 1 sq.mm in 25 mm dia high impact PVC conduit recessed in floor/slab/wall.	3	Each	5,250	15,750

C. SEC-C: SWITCH ACCESSORIES:

1	Provide, fix and connect following accessories 1.5mm thick sheet steel back box of appropriate dimensions recessed in walls.				
101	Single gang switch plate:	2	Each	683	1,366
102	Double gang switch plate:	19	Each	840	15,960
103	Three gang switch plate:	3	Each	1,050	3,150
104	Four gang switch plate.	8	Each	1,260	10,080
105	5 Amps 2/3 pin switched socket outlet plate:	60	Each	1,260	75,600
106	15 Amps 3 pin switched socket outlet plate:	6	Each	1,575	9,450
107	30 Amps SP MCB enclosed in sheet steel enclosure as approved for Split A/C Units:	6	Each	2,100	12,600



108	Call Bell push button	4	Each	893	3,572
109	Call Bell door indicator	4	Each	1,575	6,300
110	TV Outlets Plates	3	Each	893	2,679
111	Solid state fan dimmer with "ON-OFF" control.	40	Each	2,520	100,800

D. SEC: D: LIGHT FITTINGS & FIXTURES:

1.	Provide, fix, connect and commission light fixtures Philips make or equivalent with Philips components as approve, complete in all respects and ready for use.				
101.	Philips Type GKD-240 or equivalent complete with 2 x 40 W fluorescent lamps:	2	Each	6,510	13,020
102.	Incandencent Down light Conceled type with 2 x 24W PLCE lamp & holder complete in all respects:	34	Each	7,560	257,040
103.	Incandencent Down light Conceled type with 24W PLCE lamp & holder complete in all respects:	57	Each	5,040	287,280
104.	Wall Washer Light	22	Each	8,925	196,350
105.	Bollard Light	14	Each	14,700	205,800
106.	Incandencent Fancy light fixtures Wall mounted	22	Each	5,880	129,360
107.	Floor Light	4	Each	12,600	50,400
108.	Pendant Light	5	Each	15,750	78,750
109.	Picture Light	3	Each	6,510	19,530
110.	Mirror Light	5	Each	5,250	26,250
111.	Step Light	12	Each	6,720	80,640
02.	Provide, install, connect and commission 56" sweep ceiling capacitor fan, complete in all respects:	40	Each	7,560	302,400
03.	Provide, install, connect and commission Bracket fan, complete in all respects.	2	Each	5,460	10,920
04.	Provide, install, connect and commission Exhaust fan, complete in all respects.	4	Each	5,670	22,680

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E. SEC: E: FEEDERS

1.	Provide lay and connect feeder from Main LT Panel to Main DB, as shown on the drawing, 120mm.sq. 3 1/2 CORE PVC / PVC Cable IN 150mm DIA PVC PIPE, complete with all accessories.	54	Mtr	17,325	935,550
2.	Provide lay and connect feeder from Generator to Main DB, as shown on the drawing, 120mm.sq. 3 1/2 CORE PVC / PVC Cable IN 150mm DIA PVC PIPE, complete with all accessories.	15	Mtr	17,325	259,875
3.	Provide lay and connect sub-feeder from Main DB to DB-1, as shown on the drawing, 16mm2 - 4 Core PVC/PVC + 1 x 10mm2 PVC/PVC cable in 38mm dia PVC conduit floor/wall, complete with all accessories.	3	Mtr	7,140	21,420
4.	Provide lay and connect sub-feeder from Main DB to DB-2, as shown on the drawing, 16mm2 - 4 Core PVC/PVC + 1 x 10mm2 PVC/PVC cable in 38mm dia PVC conduit floor/wall, complete with all accessories.	18	Mtr	7,140	128,520
5.	Provide lay and connect sub-feeder from Main DB to DB-3, as shown on the drawing, 16mm2 - 4 Core PVC/PVC + 1 x 10mm2 PVC/PVC cable in 38mm dia PVC conduit floor/wall, complete with all accessories.	18	Mtr	7,140	128,520

F. SEC: F: SWITCH GEAR:

1	Provide, installed, connect and commission Main Distribution Board 1.5mm thick, sheet steel fabricated, flush type totally enclosed with hinged front cover suitable for 3 Phase, 4 wire, 50 Hz A/c system and equipped as under: <i>Incoming:</i> 1 - 250 Amp, TP, 25 KA, MCCB; 3 - Phase indicating lamps; 3 - 250/5A CTS, 15 VA 1 - (0-250A) Ammeter with S/S 1 - (0-500V) Voltmeter with S/S 1 - Set of Busbars (3P + N + E) 1 - Set of cable glands for incoming & outgoing cables. <i>Outgoing:</i> 3 - 75 Amps TP, 15 KA, MCCB 1 - 50 Amps TP, 10 KA, MCCB 2 - 30 Amps TP, 10 KA, MCCB	1	Job	380,000	380,000
2	Distribution Board (DB-1) <i>Incoming:</i> 1-75Amp, TP, 15 KA, MCCB 3 - Phase indication lamps; <i>Outgoing:</i> 12-10 Amps SP, 5 KA, MCBs; 9-15 Amps SP, 5 KA, MCBs; 3-30 Amps SP, 5 KA, MCBs:	1	Job	90,000	90,000

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3	Distribution Board (DB-2) <i>Incoming:</i> 1-75Amp, TP, 15 KA, MCCB 3 - Phase indication lamps: <i>Outgoing:</i> 9-10 Amps SP, 5 KA, MCBs; 9-15 Amps SP, 5 KA, MCBs; 6-30 Amps SP, 5 KA, MCBs;	1	Job	90,000	90,000
4	Distribution Board (DB-3) <i>Incoming:</i> 1-75Amp, TP, 15 KA, MCCB 3 - Phase indication lamps: <i>Outgoing:</i> 9-10 Amps SP, 5 KA, MCBs; 6-15 Amps SP, 5 KA, MCBs; 9-30 Amps SP, 5 KA, MCBs;	1	Job	90,000	90,000

G. SEC: G: FIRE ALARM SYSTEM:

1.	Providing & Laying of 2x1.5mm ² s/c PVC cable in 20mm dia PVC conduit for fire alarm system, complete with all accessories, concealed in wall /slab.				
101.	Smoke Detector	11	Each	5,460	60,060
102.	Manual Break Glass Station	3	Each	5,040	15,120
103.	Fire Sounder	3	Each	5,460	16,380
02.	Supply, Install, Connect, test & commission Fire Alarm System, Addressable Type Complete all respect & ready for use. Honeywell (USA) make or approved equivalent.				
201.	Smoke Detector	11	Each	10,500	115,500
202.	Manual Break Glass Station	3	Each	8,925	26,775
203.	Fire Sounder	3	Each	12,600	37,800
204.	Fire alarm control panel	1	Each	262,500	262,500



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H. SEC: H: EARTHING:

1	Provide, install, test and commission Earth point measuring an earth resistance of not more than "ONE OHM" with 600mm x 600MM x 5mm thick copper plate, buried 5 meters deep or to the depth of water table, whichever is less, filled with lime, salt and charcoal in appropriate ratio, also construct 450 x 450 x 450 deep inspection chamber, complete with heavy duty C.I. cover with frame, complete in all respects as per drawings and specifications.	2	Job	63,000	126,000
2	Provide, lay and connect 2x3/o SWG copper conductors in 50mm dia UPVC Pipe from earth plate to panel.	60	Mtr	4,200	252,000

PART - D (Preparation of a Comprehensive Master Plan for Banbhore site)

1	<p>Survey & Investigations</p> <p>a) Topographic Map of the site (Contour interval scale : 1: 1000)</p> <p>b) Satellite image of the site on photo paper including 1 km all around the site (0.6m/0.5m commercially available highest resolution satellite imagery)</p> <p>Detailed Survey, Drawings & photographs</p> <p>a) Detailed Survey/Mapping, Drawing Plans/Elevations/section of all excavated remains (scale 1/8", 1/16"=1'-0")</p> <p>b) Detailed Color Photographs with Key plans/locations of all excavated remains</p> <p>Ground Water Control Scheme, Plantation and Site Management</p> <p>a) Environmental impact Assessment Report</p> <p>b) Plans and details of drainage of rain Water</p> <p>Salinity and Water Logging Problems and its remedy</p> <p>Salt Action, thermal and weather action on remains with remedial measures</p> <p>c) Maintenance of level of sub-surface ground water, etc</p> <p>d) Preparing TOR for Geo- Technical Investigations and Geo- technical Investigations Scheme</p> <p>e) Plan for Avoiding soil erosion with Plantation</p> <p>Plan for Creating green areas</p> <p>f) Site management Plan (flow plans for visitor's / tourists including sign boards waiting areas, Rest areas etc.)</p> <p>g) Plan to stop encroachment and animal entrance to the site</p> <p>Development of Facilities and Tourism</p> <p>a) Establishment of Documentation Centre (For 10 persons, 1500 sft) Concept Architecture plan and Cost</p> <p>b) Extension and RE-organization of the Museum including Detailed Survey of existing museum(Existing museum areas 4800 sft approx.) Extension areas approx. 8000 sft) concept Architecture plan and Cost.</p> <p>c) Creation of Infrastructures, (Motel of 20 rooms, Approx. 7,000sft) (Mosque for 200 persons, approx. 5000 sft) Conecot Architecture plan and Cost</p> <p>d) Marketings Strategy for the promotion of Cultural Tourism.</p> <p>Conservation and preservation.</p> <p>a) Long Term; Short Term and Medium Term Conservation Strategy</p> <p>b) Strategy of Conservation of Unexcavated mounds (Areas A, B, C. Site plan attached)</p> <p>c) Dry core drilling to define the buffer Zones</p> <p>d) Maintenance Studies of Site</p> <p>Master plan Report</p> <p>a) Making of Single Report Summary of all the Components of the Master plan, Including the Cost of Individual Components to be executed.</p>	1	P. Job	9,800,000	9,800,000
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PART - E (Furniture & Fixtures (Extension of Archeological Museum Bhanbhora))

1	DISPLAY IMPROVEMENT: Provision has been made for the making of Showcases of teak wood as per drawing and specifications. 6-0 x 1-9 x 7-0	6	Each	196,000	1,176,000
2	DISPLAY IMPROVEMENT: Provision has been made for the making of Showcases of teak wood as per drawing and specifications. 5-0 x 1-9 x 7-0	1	Each	156,800	156,800
3	SECURITY FLOOD LIGHTS: Providing and fixing flood light, fitting complete with 1 x 400 watts metal halide lam. Ballast, ignitor and capacitor as per philips cat. (M/ SMF-383/400 W HPIT LAMP) (Tango Imported).	4	Each	68,600	274,400
4	Wooden and Iron Beanches	5	Each	19,600	98,000

PART - F (Furniture & Fixtures (Construction of Curator Office))

A) Curator Office					
1	Officer table with side table	1	Each	73,500	73,500
2	Officer Chair	1	Each	21,000	21,000
3	Visitor Chair	3	Each	14,700	44,100
4	Sofa set(two Seater's)	1	Each	42,000	42,000
5	File Cabinet	1	Each	31,500	31,500
6	Curtain	3	Each	12,600	37,800
7	Center table	1	Each	12,600	12,600
8	Almirah (Iron)	1	Each	42,000	42,000
B) Admn Office					
9	Officer table	1	Each	63,000	63,000
10	Officer Chair	1	Each	16,800	16,800
11	Visitor Chair	3	Each	12,600	37,800
12	File Cabinet	1	Each	31,500	31,500
13	Curtain	3	Each	12,600	37,800
14	Almirah (Iron)	1	Each	42,000	42,000
15	File Rack	2	Each	21,000	42,000

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C) Store Room						
16	Iron Racks (Adjustable)		2	Each	33,600	67,200
D) Machinery & Equipment						
17	Split A.C 1.5 ton		1	Each	136,500	136,500
18	Laptop (Computer)		1	Each	189,000	189,000
19	Computer with Accorries		1	Each	168,000	168,000
20	Water Dispenser		1	Each	37,800	37,800

PART - G (Furniture & Fixtures (Construction of Reserve Hall / Antiquity Godown))

1	Iron Racks (4-0 x 1.5 x 7-0)		30	Each	21,000	630,000
2	Iron Almira 24/26 g (3-0x1-6x6-0)		4	Each	33,600	134,400
3	Office table with chair		2	Each	52,500	105,000
4	Office Chair		4	Each	8,400	33,600

PART - H (Furniture & Fixtures (Construction of Annexe))

A) Drawing / Dining Room (GF)						
1	Sofa Set (5 Seater's)		1	Each	157,500	157,500
2	Center Table		1	Each	52,500	52,500
3	Sofa Set (Single)		4	Each	31,500	126,000
4	Dining table with 8 Chairs		1	Each	189,000	189,000
5	Curtains		10	Each	12,600	126,000
6	Rugs		2	Each	31,500	63,000

B) Attendent Rooms						
7	Single Bed with Molty Mattress		1	Each	63,000	63,000
8	Almirah		1	Each	52,500	52,500
9	Curtains		3	Each	12,600	37,800

C) Staff Room						
10	Single Bed with Molty Mattress		2	Each	63,000	126,000
11	Almirah		2	Each	52,500	105,000







12	Curtains	4	Each	12,600	50,400
D) Bedroom's (First Floor)					
13	Single Bed with Molty Mattress	2	Each	84,000	168,000
14	Double Bed with Molty Mattress	2	Each	126,000	252,000
15	Study Table with Chair	3	Each	42,000	126,000
16	Single Seat Sofa	3	Each	31,500	94,500
17	Side Table	6	Each	12,600	75,600
18	Rugs	3	Each	31,500	94,500
19	Single Bed Sheets and Pillows Cover	4	Each	4,200	16,800
20	Double Bed Sheets and Pillows Cover	4	Each	7,350	29,400
21	Curtains	10	Each	10,500	105,000
22	Almirah	3	Each	73,500	220,500
23	Dressing Table	3	Each	63,000	189,000
24	Blanket for Single Bed Imported	4	Each	7,350	29,400
25	Blanket for Double Bed Imported	4	Each	12,600	50,400
E) Kitchen Accessories & Others					
26	Gas Oven	1	Each	25,200	25,200
27	Dinner sets (106pcs)	1	Each	52,500	52,500
28	Glass	24	Each	1,050	25,200
29	Flask	4	Each	4,200	16,800
30	Table Spoon	24	Each	1,050	25,200
31	Desert Spoon	24	Each	1,050	25,200
32	Tea Spoon	24	Each	1,050	25,200
33	Knife Set	1	Each	3,150	3,150
34	Utensils (non Stick) Different Sizes (Set)	1	Each	15,750	15,750
35	Hot Pot	2	Each	3,150	6,300
36	Utensils Spoon	4	Each	1,050	4,200
37	Fry Pan. Non-Stick	2	Each	2,100	4,200






38	Tea Set	1	Each	7,350	7,350
39	Water Jug Set	1	Each	2,100	2,100
40	Water Bottle (Plastic)	6	Each	1,050	6,300
41	Towels	12	Each	2,100	25,200
F) Machinery & Equipments					
42	Split AC 1.5 Ton (Imported)	3	Each	157,500	472,500
43	Split AC 2 Ton (Imported)	2	Each	189,000	378,000
44	LED 52"	1	Each	315,000	315,000
45	LED 32"	3	Each	126,000	378,000
46	Washing Machine	1	Each	37,800	37,800
47	Micro-Waves	1	Each	42,000	42,000
48	Refrigerator	1	Each	94,500	94,500
49	Water Dispenser	3	Each	37,800	113,400
50	Vacume Cleaner	1	Each	29,400	29,400
51	Electric Geezer	3	Each	31,500	94,500
52	Gas Geezer	1	Each	58,800	58,800



PART - I (Survey and Documentation)

A) Machinery & Equipments					
1	Total Station	1	Each	5,040,000	5,040,000
2	Global Positioning System (GPS)	1	Each	63,000	63,000
3	DSLR Camera with lens & Flash Gun	1	Each	588,000	588,000
4	Digital Movie Camera	1	Each	210,000	210,000
5	Tripod Stands For DSLR & Movie Camera	1	Each	50,400	50,400
6	3D Laser Scanner	1	Each	735,000	735,000
7	Laptop	1	Each	315,000	315,000
8	Autocad Software 2012	1	Each	231,000	231,000

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9	Printer Colour	1	Each	105,000	105,000
10	Data Collectors & Mounts	2	Each	37,800	75,600
11	Bags & Cases	6	Each	37,800	226,800
12	Brush Axes	6	Each	2,100	12,600
13	Compasses & Clinometers	1	Each	33,600	33,600
14	Flagging and Survey Markers	10	Each	2,100	21,000
15	Survey's Umbrellas	2	Each	25,200	50,400
16	Survey Poles	6	Each	2,100	12,600
17	Surveyor Measuring Tape	2	Each	2,100	4,200
18	Survey Megnetic Locators	2	Each	3,150	6,300
19	Surveyor's Hand Tools	10	Each	3,150	31,500
20	Marking Paints	3	Each	2,100	6,300
21	Hands Brush Set	2	Each	15,750	31,500
22	Sieve Set	2	Each	5,250	10,500
23	Paint Brush Set	2	Each	3,150	6,300
24	Graphic pen Set with Leads	2	Each	1,050	2,100
25	Mars Plastic Eraser	3	Each	1,050	3,150
26	Safety Glove's	20	Each	1,050	21,000
27	Large First Aid Kit	1	Each	37,800	37,800
28	Accident Book / Injury Book	1	Each	3,150	3,150
29	North Arrow & Blank	2	Each	1,050	2,100
30	Vernier Scale / tool	3	Each	33,600	100,800
31	LED HD TV Samsung 55	1	Each	493,500	493,500
32	Multimedia Projector with screen	1	Each	367,500	367,500




33	Computer System with printer	1	Each	210,000	210,000	210,000
34	Photostate Machine Canon	1	Each	315,000	315,000	315,000
35	Fax Machine	1	Each	82,425	82,425	82,425
36	Heavy Torch lights (Chargeable)	3	Each	29,400	88,200	88,200
37	Field Helmets with light	5	Each	21,000	105,000	105,000
38	The Archaeologists toolkit	3	Each	50,400	151,200	151,200
39	Other (Stationery & Crockery)	Lump Sum			420,000	420,000

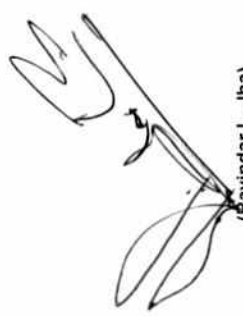
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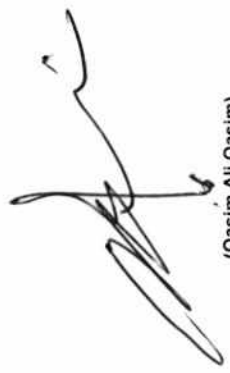
Say

Rs. 199,541 M


(Roshan Ali Kansoro)
 Deputy Director, PDMI&E Cell
 Culture, Tourism & Antiquities Department
 Government of Sindh.
 MEMBER / SECRETARY


(Ravindar L. Jha)
 Senior Research Officer
 Information Archives Department
 Government of Sindh.
 MEMBER


(Engr. Zafer Jabbal)
 Executive Engineer (SCUG)
 Local Government
 Government of Sindh.
 MEMBER


(Qasim Ali Qasim)
 Director
 Archaeology & Museum
 Culture, Tourism & Antiquities Department
 Government of Sindh
 MEMBER


(Abdul Karim Solangi)
 Special Secretary / Director, PDMI&E Cell
 Culture, Tourism & Antiquities Department
 Government of Sindh.
 CHAIRMAN



GOVERNMENT OF SINDH



COMPARATIVE STATEMENT

**PROTECTION, PRESERVATION, PROMOTION,
DEVELOPMENT OF WORLD HERITAGE SITE OF
MAKLI HILL MONUMENTS THATTO**

CULTURE, TOURISM AND ANTIQUITIES DEPARTMENT

**PROTECTION, PRESERVATION, PROMOTION, DEVELOPMENT OF
WORLD HERITAGE SITE OF MAKLI HILL MONUMENTS THATTO**

COMPARATIVE STATEMENT

S.No.	Item of Work	Quantity	Unit	Rate		Amount
				M/s Waliullah Bhutto		
SH-I: Establishment of Conservation Wing, Exploration & Excavation Branch						
PART - A (Civil Works)						
1	Excavation in foundation of building and bridges and other structures i/c deg belling dressing refilling around structure with excavated earth.	22,555	P. Cft	20		451,100
2	Cutting hard rock such as granite, ballast, hard lime stone or sand stone etc. with chieseland jammers for small foundations.	26,190	P. Cft	48		1,257,120
3	Refilling the excavated stuff in trenches 6" thick layer including watering, ramming to full compaction etc. complete.	12,945	P. Cft	15		194,175
4	Filling, watering and ramming earth under floor with new earth excavated from outside including the cost of carriage from the source to the site of work lead upto 15 miles as required by Engineer Incharge. Concrete works	27,768	P. Cft	69		1,915,992
Cement concrete plain including placing, compacting, finishing and curing complete.						
5	a) Lean concrete 1:4:8	2,402	P. Cft	147		353,094
	b) 4" thick Sub-floor 1:3:6	2,828	P. Cft	163		460,964
6	Reinforced cement concrete works 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 surfaces (including screening and washing of shingles) a) RCC work in roof slab, beams, columns, rafts, lintels and other structural member laid in situ or precast laid in position complete in all respect. i) Ratio-1:2:4	16,387	P. Cft	552		9,045,624
7	Fabrication of mild steel reinforcement for R.C.C. including cutting, bending, laying in position, making joints and fastening including the cost of binding wire (also removal of rust from bars) using for bars.	1,506	P. Cwt	6,825		10,278,450



S.No.	Item of Work	Quantity	Unit	Rate	
				M/s	Wallo
8	Random Rubble Masonary (Uncoursed)	4,385	P. Cft	315	1,381,275
9	Providing and laying 1:3:6 Cement concrete Solid block masnorey wall above 6" thickness set in 1:6 cement sand mortar in ground floor superstructure i/c racking of joints and curing etc complete.	16,608	P. Sft	147	2,441,376
10	Difference of SR Cement	942	Per Bag	132	124,344
11	Flooring Providing and laying 3" thick cement concrete flooring (1:2:4) including surface finishing and diving strips into panels.(plinth protection)	1,119	P. Sft	132	147,708
12	Providing/ laying floors of approved coloured Pocolain/ Glazed tile 5/8" thick laid in white cement/pigment on a bed of 3/4" thick cement mortar 1:2 (13"x18")	354	P. Sft	788	278,952
13	Provide/lay Porcelin/glazed tile dado 5/8" thick laid in pigment over 1:2 cement sand mortar 3/4" thick including finishing (13"x18")	1,374	P. Sft	735	1,009,890
14	Providing and laying white marble flooring fine dressed on the surface without winding set in lime mortar 1:2 including rubbing and polishing of the joints. a) 1" thick	7,277	P. Sft	1,113	8,099,301
15	Providing and fixing 3/8" thick white marble tile of approved quality and colour and shape 12" x 6" in dado skirting and facing etc complete.	556	P. Sft	368	204,608
16	Providing and laying new 3mm water proofing membrane of approved designed shape laid flat with all material and labour. Complete in all respects to the entire satisfaction of the consultant entire satisfaction of consultant of site.	9,290	P. Sft	342	3,177,180
17	Providing and laying 3" thick topping CC 1:2:4 surface i/c finishing and dividing into panels. Surfac rendering Cement plaster 1:4 upto 12' height	9,290	P. Sft	137	1,272,730
18	a) 1/2" thick internal b) 3/4" thick external	29,829	P. Sft	126	3,758,454
		29,829	P. Sft	147	4,384,863
19	Distemping				
	a) Primary coat of chalk wash	7,454	P. Sft	27	201,258
	c) Three coats	7,454	P. Sft	63	469,602

S.No.	Item of Work	Quantity	Unit	Amount	
				Rate	Total
				M/s Waliullah Bhutto	
20	Preparing the surface and painting with matt finish i/c rubbing the surface with Bathy (silicon carbide rubbing brick) filling the void with zink/ chalk/ plaster of paris mixture, applying first coat permix, making the surface smooth and then painting 3 coats with matt finish of approved make etc; complete new surface. c) Three coats	17,693	P. Sft	95	1,680,835
21	Providing and applying three coats of enamel paint of approved make, shade and quality of finished surface at location shown on drawings or as directed by the consultant. Applied at any level i/c rubbing the surface and making the surface smooth i/c providing and applying primer coat of approved quality, complete in all respects conforming to the requirements of the drawings, specification and to the entire stisfaction of the consultant, entire satisfaction of consultant of site.	1,436	P. Sft	90	129,240
22	Preparing the surface and painting with weather coat including rubbing the surface with rubbing brick / sand paper, filling the voids with chalk / plaster of paris and then painting with weather coat of approved make 3 coats (External)	12,137	P. Sft	111	1,347,207
23	Providing & fixing G.I. frames / Choukhats of size 7"x2" or 4 1/2" x 3" for doors using 20 guage G.I. sheet i/c welded hinges, tower bolts, locking arrangement and fixing at site i/c glass (Belgium) in pannel i/c of flush door with necessary hold fasts, filling with cement sand sliry of ratio 1:6 and repairing the jambs, also i/c wooden beading the cost also i/c all carriage, tools and plants used in making and fixing.	1,276	P. Sft	2,205	2,813,580
24	Supplying & fixing in position Aluminium channels framing for slidding window & ventilators of Alcope made with 5m thick tinted glass glazing (Belgium) and Aluminium fly screen i/c handles, stoppers & locking arrangement etc complete (Deluxe model "Bronze").	722	P. Sft	2,993	2,160,946
25	RCC spouts best quality as directed by Architect incharge entire satisfaction of consultant of site.	16	Each	1,050	16,800
26	S/F in position squire bars iron grill of 3/8" x 3/8" size of approved design including painting 3 coats etc complete (weight not to be less than 3.7 lbs/sq foot of finishing grill).	722	P. Sft	473	341,506
27	Making and fixing steel grated door with 1/16" thick sheeting including angle iron frame 2"x 3/8" and 3/4" square bars 4" centre to centre with locking arrangement.	335	P. Sft	1,890	633,150
28	Hard wood railing of any shape and design including bends and corners fixed in position i/c polishing complete as directed by consultant.	80	P. Sft	2,415	193,200
29	Providing & fixing Aluminium sheet on doors pasted with glue as per requirement	95	P. Sft	84	7,980

S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waiullah Bhutto	
30	Errction / removal of Centring for RCC or plain concrete.	31,837	P. Sft	84	2,674,308
31	Damp proof course with (cement,sand & shinger concrete- 1:2:4) including 2 coats of asphaltec mixture 2" thick.	716	P. Sft	79	56,564
32	Ornamental works	50	P. Sft	3,675	183,750
33	Provide & apply floating coat of PB4 in foundation.	6,016	P. Sft	21	126,336
PART - B (Boundary Wall)					
34	Excavation in foundation of building and bridged and other structures i/c digbelling, dressing filling around structure with excavated earth watering, ramming and dewatering of subsoil water lead upto one chain and lift upto 5 ft in ordinary soil	3,706	P. Cft	53	196,418
35	Providing and laying 1:4:8 cement concrete in foundation using graded stone ballast 2" and down gauge with levelling ramming watering and curing etc complete.	2,471	P. Cft	200	494,200
36	Ashlar fine stone masonry wall set in lime mortar 1:1:1.	13,193	P. Cft	977	12,889,561
37	Providing 1:2:4 cement concrete using screened graded bajri 3/4" on down gauge foundation basement and plinth i/c form work etc.	1,272	P. Cft	479	609,288
38	Raised or cut pointing on stone work with cement mortar 1:3 (one cement and three sand) in plinth and ground floor including raking, out joints, curing, etc., complete.	6,000	P. Sft	69	414,000
39	3/4" (19 mm) thick cement plaster 1:4 on walls and columns etc. in basement, plinth, mezzanine and ground floor including making edges, corners, and curing etc., complete.	6,000	P. Sft	147	882,000
PART - C (Plumbing Works)					
40	P/F squatting type white glazed earthen ware W.C. Pan with front bush inlet and complete w/ht i/c the cost of flushing eastern with internal fitting and flush pipe with bent and making requisite number of holes in walls plinth and floor for pipe connection and making good in CC 1:2:4 (foreign equivalent) WC pan 19" eastern ware low level flush tank 3 gallons with 4" dia CI trap (Pg - 1,S.No.2b-i)	16	Each	8,925	142,800

S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Wailullah Bhutto	
41	P/F European type white glazed earthen ware wash down W.C. Pan complete with and i/c cost of white / black plastic seat (best quality) and lid with CP brass hinges & buffers 3 gallons white glazed earthen ware low level flushing cistern with siphon fitting 1-1/2" dia white porcelain enamelled flush bend 3/4" dia and making requisite number of holes in wall plinth and floor for pipe connections and making good in CC 1:2:4 (Foreign quality) (Pg - 2, S.No. 5)	4	Each	16,800	67,200
42	P/F 22" x 16" lavatory basin in white glazed earthenware complete with i/c the cost of WI or CI cantilever brackets 6 inches built into walls painted white in 2 coats after primary coats of red lead paint and pair of 1/2" dia chrome brass waste or approved patterns 1-1/4" dia malleable iron or CP brass traps malleable iron or brass unions and making requisite number of holes in walls plinth and floor and making good in cement concrete 1:2:4 (Pg - 4, S.No. 13)	20	Each	9,135	182,700
43	Add: Extra for labour for providing and fixing of earthen ware pedestal white or coloured glazed (Foreign or Equivalent) (Pg - 3, S.No. 11)	20	Each	3,723	74,460
44	P/F uPVC P-Trap / WYE Elbow 45% (Pak Arab, Accufit or Equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	40	Each	1,254	50,160
45	P/F in position Nyloon connection complete with 1/2" dia brass stop cock with pair of brass nuts and lining joints to nyloon connection (Pg - 6, S.No. 23)	60	Each	658	39,480
46	P/F wash basin mixture of superior quality with CP head (Pg - 19, S.No. 14b)	28	Each	4,674	130,872
47	P/F cancaeled Tee stop cock 1/2" dia superior quality with CP head (Pg - 18, S.No. 12b)	54	Each	1,308	70,632
48	P/F long bib cock of crystal head with 1/2" dia (Pg - 19, S.No. 13b)	20	Each	2,035	40,700
49	S/F CP Muslim shower with double Bib cock and ring pipe etc complete (Pg - 19, S.No. 19a)	16	Each	5,046	80,736
50	S/F CP Muslim shower (Hand shower) with crystal head etc complete (Pg - 19, S.No. 19b)	16	Each	5,045	80,720
51	P/F 24" x 18" beveled edge mirror of Belgium glass complete with 1/8" thick hard board and CP screws fixed to wooden plate. (Pg - 7, S.No. 3b)	28	Each	3,493	97,804
52	S/F soap tray earthen ware with CP screw etc complete (Pg - 8, S.No. 5)	30	Each	731	21,930
53	P/F chrome plated brass towel rail complete with brackets fixing on wooden cleats with 1" long CP brass screws (i) Towel rail 36" long (ii) 3/4" dia round or square (Superior quality) (Pg - 7, S.No. 1)	16	Each	2,076	33,216

S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	
54	P/F CP brass toilet paper holder of standard size with chrome plated brass bracket complete (Similar to twyford's design No. 1108) (Superior quality) (Pg - 7, S.No. 2b)	16	Each	1,575	25,200
55	Providing and fixing handle valves (China) (Pg - 17, S.No. 5)				
	(i) 3/4" dia	12	Each	399	4,788
	(ii) 1" dia	12	Each	537	6,444
	(iii) 1-1/4" dia	6	Each	699	4,194
	(iv) 1-1/2" dia	6	Each	941	5,646
56	(v) 2" dia	6	Each	2,032	12,192
	P/F water pumping set 2 HP 2800 RMP single phase 220 volts 1" x 1", 40 feet head i/c base plate and also making CC 1:3:6 plate form of required size and fixing with nuts and bolts complete in all respect (Schedule of Electricia Works Pg - 30, S.No. 13)	2	Each	53,604	107,208
57	Excavation for pipe line in trenches and pits in hard rock by hammering and chiselling i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint holes and disposal of surplus hard rock within a one chain as directed by Engineer Incharge. Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5 ft (1.52 m) and lead upto one chain (30.5 m) (Schedule of Public Health Engineering Works Pg - 64, S.No. 10)	5,040	P. Cft	26	131,040
58	Providing and fixing uPVC Pipe (Pak Arab, Accufit or equivalent) Schedule 40 on surface or concealed masonry / cement concrete or RCC upto required height jointing by using solvent (AGM or equivalent) and making good with CC i/c finishing etc complete. This rate also i/c all kind of labour, material, cartage etc. as approved by Engineer / Incharge (RA Approved)				
	(i) 1/2" dia	200	Rft	98	19,600
	(ii) 3/4" dia	2,000	Rft	111	222,000
	(iii) 1" dia	1,000	Rft	156	156,000
	(iv) 1-1/4" dia	800	Rft	199	159,200
	(v) 1-1/2" dia	600	Rft	263	157,800
	(vi) 2" dia	400	Rft	305	122,000





S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waiullah Bhutto	
59	P/F uPVC Elbow 90% dia (Pak Arab, Accufit or equivalent) Schedule 40 make of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)				
	(i) 1/2" dia	12	Each	95	1,140
	(ii) 3/4" dia	120	Each	104	12,480
	(iii) 1" dia	12	Each	124	1,488
	(iv) 1-1/4" dia	12	Each	170	2,040
	(v) 1-1/2" dia	12	Each	189	2,268
60	P/F uPVC Union "Solvent" (Pak Arab, Accufit or equivalent) Schedule 40 make of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)				
	(i) 1/2" dia	6	Each	89	534
	(ii) 3/4" dia	12	Each	92	1,104
	(iii) 1" dia	6	Each	97	582
	(iv) 1-1/4" dia	6	Each	124	744
	(v) 1-1/2" dia	6	Each	158	948
61	P/F uPVC Socket (Pak Arab, Accufit or equivalent) Schedule 40 make of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)				
	(i) 1/2" dia	12	Each	89	1,068
	(ii) 3/4" dia	120	Each	92	11,040
	(iii) 1" dia	12	Each	97	1,164
	(iv) 1-1/4" dia	12	Each	124	1,488
	(v) 1-1/2" dia	12	Each	158	1,896
		12	Each	271	3,252





S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	
62	P/F uPVC TEE (Pak Arab, Accufit or equivalent) Schedule 40 make of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	12	Each	100	1,200
		120	Each	111	13,320
		12	Each	133	1,596
		12	Each	172	2,064
		12	Each	263	3,156
		12	Each	368	4,416
63	Providing and fixing uPVC Pipe (Pak Arab, Accufit or equivalent) Schedule 40 on surface and digging the trenches to required depth not less than 12" and fixing in position i/c cutting fitting and jointing using approved solvent (AGM or equivalent) etc complete. This rate also i/c all kind of labour, material, cartage etc. as approved by Engineer / Incharge (RA Approved)	1,000	Rft	624	624,000
		400	Rft	897	358,800
		800	Rft	1,132	905,600
64	P/F uPVC Elbow 90% dia (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	12	Each	515	6,180
		18	Each	735	13,230
66	P/F uPVC Socket (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	12	Each	630	7,560





S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	
67	P/F uPVC Plastic Clip (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	24	Each	622	14,928
68	(i) 4" dia P/F uPVC WYE 45% (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	12	Each	1,254	15,048
69	(i) 4" dia P/F uPVC Plug Elbow (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	12	Each	915	10,980
70	(i) 4" dia P/F uPVC Plug TEE (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	12	Each	1,141	13,692
71	(i) 4" dia P/F uPVC Cowel (Pak Arab, Accufit or equivalent) of approved quality and design of various size fixed to uPVC pipe using approved adhesive compound upto required height etc complete. This rate also i/c all kind of labour, material, cartage etc as approved by Engineer / Incharge (RA Approved)	12	Each	525	6,300

PART - D (Electrical Works)

A. SEC-A: AIR CONDITION INSTALLATIONS:

1	Installation of Split type Air-conditioning units (Haier / Mitsubishi / Hitachi or Equivalent as approved by the consultant) as shown on the drawing, including making cuts / holes in walls and floors etc; and making good the same as required sealing the holes with Zahabiya Universal Bonding Adhesive ZUBA 16/123 where required, complete in all respects.	6	Each	157,500	945,000
101	Split type wall mounted impored A/C 2 ton with capacity 24000 btu/hr. suitable to operate single phase. 6/123 where required, complete in all respects.				





S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	
2	Supply and installation of additional copper piping where required.	100	P. Rft	1,890	189,000
3	Providing and making of masonry pad for floor mounted units.	6	Each	10,500	63,000
4	Supply and installation of condensate drain piping 25mm dia PVC, including accessories, complete with levelling of drain pipes.	250	P. Rft	263	65,750
5	Testing, Commissioning & Balancing of A/C units.	1	P. Job	31,500	31,500

B. SEC-B: WIRING INSTALLATIONS:

1	Provide, wire and connect 3x1.5 sq. mm S/C PVC cable in 20mm dia high impact PVC conduit recessed in slab/wall, complete with all accessories, for:				
101	One light point controlled through one switch (from switch to point).	46	Each	6,510	299,460
102	Additional light point controlled through the switch of first light point (from point to point).	96	Each	5,670	544,320
103	Wiring of 5 Amp Socket point/Shaker socket point connected to switch board.	5	Each	4,200	21,000
104	Ceiling fan points, complete with providing and installing of metal fan box.	40	Each	7,140	285,600
105	Wiring of Bracket Fan points.	2	Each	4,200	8,400
106	Wiring of Exhaust Fan points.	4	Each	5,460	21,840
107	Wiring of call bell points (from bell push button to bell outside the door including circuit wiring from nearest switch)	4	Each	6,300	25,200
2	Same as Item No. 1, but provide, wire and connect 2x2.5mm ² +1x1.5mm ² S/C PVC cable for:				
201	Circuits for light/fan points	27	Each	7,560	204,120
202	5 Amps socket outlet points.	55	Each	6,510	358,050
203	15 Amps socket outlet points.	6	Each	6,825	40,950
204	Wiring of Control circuit for Split A/C Unit from outdoor A/C unit to indoor unit.	6	Each	4,200	25,200

S.No.	Item of Work	Quantity	Unit	Rate		Amount
				M/s Waliullah Bhutto		
3	Same as Item No. 1, but provide, wire and connect 2 x 6mm ² + 1 x 2.5mm ² S/C PVC cable in 25 mm dia PVC conduit, for:					
301	Split A/C point:	6	Each	7,980		47,880
4	Same as item No.1, but wiring with 3 x 6mm.sq. + 2 x 4mm.sq. PVC S/C Cable IN 32 mm DIA PVC CONDUIT					
401	Wiring of circuit for water pump from Main DB	25	Mtr	2,730		68,250
5	Providing, wiring and connecting of TV points with WISI make or equivalent 2x75 OHMS TV antenna coaxial cable RG6U single shielded having centre conductor of 1 sq.mm in 25 mm dia high impact PVC conduit recessed in floor/slab/wall.	3	Each	5,250		15,750

C. SEC-C: SWITCH ACCESSORIES:

1	Provide, fix and connect following accessories 1.5mm thick sheet steel back box of appropriate dimensions recessed in walls.					
101	Single gang switch plate:	2	Each	683		1,366
102	Double gang switch plate:	19	Each	840		15,960
103	Three gang switch plate:	3	Each	1,050		3,150
104	Four gang switch plate.	8	Each	1,260		10,080
105	5 Amps 2/3 pin switched socket outlet plate:	60	Each	1,260		75,600
106	15 Amps 3 pin switched socket outlet plate:	6	Each	1,575		9,450
107	30 Amps SP MCB enclosed in sheet steel enclosure as approved for Split A/C Units:	6	Each	2,100		12,600
108	Call Bell push button	4	Each	893		3,572
109	Call Bell door indicator	4	Each	1,575		6,300
110	TV Outlets Plates	3	Each	893		2,679
111	Solid state fan dimmer with "ON-OFF" control.	40	Each	2,520		100,800

S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	

D. SEC: D: LIGHT FITTINGS & FIXTURES:

1.	Provide, fix, connect and commission light fixtures Philips make or equivalent with Philips components as approve, complete in all respects and ready for use.				
101.	Philips Type GKD-240 or equivalent complete with 2 x 40 W fluorescent lamps:	2	Each	6,510	13,020
102.	Incandencent Down light Conceled type with 2 x 24W PLCE lamp & holder complete in all respects:	34	Each	7,560	257,040
103.	Incandencent Down light Conceled type with 24W PLCE lamp & holder complete in all respects:	57	Each	5,040	287,280
104.	Wall Washer Light	22	Each	8,925	196,350
105.	Bollard Light	14	Each	14,700	205,800
106.	Incandencent Fancy light fixtures Wall mounted	22	Each	5,880	129,360
107.	Floor Light	4	Each	12,600	50,400
108.	Pendant Light	5	Each	15,750	78,750
109.	Picture Light	3	Each	6,510	19,530
110.	Mirror Light	5	Each	5,250	26,250
111.	Step Light	12	Each	6,720	80,640
02.	Provide, install, connect and commission 56" sweep ceiling capacitor fan, complete in all respects:	40	Each	7,560	302,400
03.	Provide, install, connect and commission Bracket fan, complete in all respects.	2	Each	5,460	10,920
04.	Provide, install, connect and commission Exhaust fan, complete in all respects.	4	Each	5,670	22,680

E. SEC: E: FEEDERS

1.	Provide lay and connect feeder from Main LT Panel to Main DB, as shown on the drawing, 120mm.sq. 3 1/2 CORE PVC / PVC Cable IN 150mm DIA PVC PIPE, complete with all accessories.	54	Mtr	17,325	935,550
2.	Provide lay and connect feeder from Generator to Main DB, as shown on the drawing, 120mm.sq. 3 1/2 CORE PVC / PVC Cable IN 150mm DIA PVC PIPE, complete with all accessories.	15	Mtr	17,325	259,875

S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waiullah Bhutto	
3.	Provide lay and connect sub-feeder from Main DB to DB-1, as shown on the drawing, 16mm ² - 4 Core PVC/PVC + 1 x 10mm ² PVC/PVC cable in 38mm dia PVC conduit floor/wall, complete with all accessories.	3	Mtr	7,140	21,420
4.	Provide lay and connect sub-feeder from Main DB to DB-2, as shown on the drawing, 16mm ² - 4 Core PVC/PVC + 1 x 10mm ² PVC/PVC cable in 38mm dia PVC conduit floor/wall, complete with all accessories.	18	Mtr	7,140	128,520
5.	Provide lay and connect sub-feeder from Main DB to DB-3, as shown on the drawing, 16mm ² - 4 Core PVC/PVC + 1 x 10mm ² PVC/PVC cable in 38mm dia PVC conduit floor/wall, complete with all accessories.	18	Mtr	7,140	128,520

F. SEC: F: SWITCH GEAR:

1	<p>Provide, installed, connect and commission Main Distribution Board 1.5mm thick, sheet steel fabricated, flush type totally enclosed with hinged front cover suitable for 3 Phase, 4 wire, 50 Hz A/c system and equipped as under:</p> <p><i>Incoming:</i></p> <ul style="list-style-type: none"> 1 - 250 Amp, TP, 25 KA, MCCB: 3 - Phase indicating lamps: 3 - 250/5A CTS, 15 VA 1 - (0-250A) Ammeter with S/S 1 - (0-500V) Voltmeter with S/S 1 - Set of Busbars (3P + N + E) 1 - Set of cable glands for incoming & outgoing cables. <p><i>Outgoing:</i></p> <ul style="list-style-type: none"> 3 - 75 Amps TP, 15 KA, MCCB 1 - 50 Amps TP, 10 KA, MCCB 2 - 30 Amps TP, 10 KA, MCCB 	1	Job	380,000	380,000
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S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waiullah Bhutto	
2	Distribution Board (DB-1) <i>Incoming:</i> 1-75Amp, TP, 15 KA, MCCB 3 - Phase indication lamps: <i>Outgoing:</i> 12-10 Amps SP, 5 KA, MCBs: 9-15 Amps SP, 5 KA, MCBs: 3-30 Amps SP, 5 KA, MCBs:	1	Job	90,000	90,000
3	Distribution Board (DB-2) <i>Incoming:</i> 1-75Amp, TP, 15 KA, MCCB 3 - Phase indication lamps: <i>Outgoing:</i> 9-10 Amps SP, 5 KA, MCBs: 9-15 Amps SP, 5 KA, MCBs: 6-30 Amps SP, 5 KA, MCBs:	1	Job	90,000	90,000
4	Distribution Board (DB-3) <i>Incoming:</i> 1-75Amp, TP, 15 KA, MCCB 3 - Phase indication lamps: <i>Outgoing:</i> 9-10 Amps SP, 5 KA, MCBs: 6-15 Amps SP, 5 KA, MCBs: 9-30 Amps SP, 5 KA, MCBs:	1	Job	90,000	90,000

G. SEC: G: FIRE ALARM SYSTEM:

1.	Providing & Laying of 2x1.5mm ² s/c PVC cable in 20mm dia PVC conduit for fire alarm system, complete with all accessories, concealed in wall /slab.				
101.	Smoke Detector	11	Each	5,460	60,060
102.	Manual Break Glass Station	3	Each	5,040	15,120

S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Wailullah Bhutto	
103.	Fire Sounder	3	Each	5,460	16,380
02.	Supply, Install, Connect, test & commission Fire Alarm System, Addressable Type Complete all respect & ready for use. Honeywell (USA) make or approved equivalent.				
201.	Smoke Detector	11	Each	10,500	115,500
202.	Manual Break Glass Station	3	Each	8,925	26,775
203.	Fire Sounder	3	Each	12,600	37,800
204.	Fire alarm control panel	1	Each	262,500	262,500

H. SEC: H: EARTHING:

1	Provide, install, test and commission Earth point measuring an earth resistance of not more than "ONE OHM" with 600mm x 600MM x 5mm thick copper plate, buried 5 meters deep or to the depth of water table, whichever is less, filled with lime, salt and charcoal in appropriate ratio, also construct 450 x 450 x 450 deep inspection chamber, complete with heavy duty C.I. cover with frame, complete in all respects as per drawings and specifications.	2	Job	63,000	126,000
2	Provide, lay and connect 2x3/0 SWG copper conductors in 50mm dia UPVC Pipe from earth plate to panel.	60	Mtr	4,200	252,000

SH-II: Conservation of Monuments as 1st Aid to Save from Further Destruction

Conservation of Monuments & Graves

1	Removing the decayed lime plaster from walls and domes both sides (Inner and outer) with base of mud plaster and disposal of removed material away from site or as directed by consultant.	7,500	P. Sft	36	270,000
2	Chipping on old lime plaster on both sides of walls (inner and outer) and domes.	7,500	P. Sft	34	255,000
3	Applying floating coat of hibond (universal) as a bond coat or as an adhesive link between old and new concrete or plaster i/c scaffolding etc in all respect as directed by Engineer Incharge.	7,500	P. Sft	43	322,500
4	Providing and laying 3/4" thick lime chiroli plaster on walls, ceiling and domes i/c cost of all material and labour complete in all respects Layer - 1	9,000	P. Sft	157	1,413,000

(Handwritten signatures and initials)

(Handwritten signatures and initials)

S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	
5	Providing and laying 1/2" thick lime chiroli plaster on walls, ceiling and domes i/c cost of all material and labour complete in all respects Layer - 2	9,000	P. Sft	138	1,242,000
6	Removing / dismantling top layer of existing lime terraced flooring	7,845	P. Sft	25	196,125
7	Providing and laying 2" thick topping of lime chiroli sand i/c surface finishing and dividing into panels etc as directed by consultant.	6,000	P. Sft	177	1,062,000
8	Providing and laying new 3 mm water proofing membranes of approved design and shape laid flat with all material and labour complete in all respect to the entire satisfaction of the Engineer Incharge.	6,000	P. Sft	319	1,914,000
9	Providing and laying 2" thick lime chiroli terraced flooring	6,000	P. Sft	187	1,122,000
10	Providing and fixing stone spouts as per approved design and specification by the Engineer Incharge	45	Each	980	44,100
11	Fresco painting in various design in Masjid / Prayer Hall.	1,265	P. Sft	3,528	4,462,920
12	Providing and laying of yellow stone flooring of SONDA stone size 12" x 12" x 1-3/4" over a lime sand mortar ratio (1:2) average thickness 2" i/c grinding, chemical polish, cost of all material and carriage / transportation i.e all labour charges complete as per direction of the consultants.	4,760	P. Sft	1,862	8,863,120
13	First class teak wood wrought joinery in doors and windows etc fixed in position i/c chowkats holdfasts, hinges, iron, tower bolts, chocks, handles and cords with hooks etc teak panelled or panelled and glazed or fully glazed.	150	P. Sft	12,544	1,881,600
14	Providing and applying lacquer polish 3 coats of approved make on doors and windows i/c rubbing and repairing of surface and placing of hardware where required. Complete in all respects and conforming to the requirement of drawings and specifications.	374	P. Sft	187	69,938
15	Repairs / Restoration of minirates of all monuments i.e. Tombs i/c kashi neel as per original design and shape complete in all respect.	18	Each	45,080	811,440
16	Dismantling the decay stone flooring including stacking servicable / un-servicable material at site of work or as directed by the Engineer Incharge	5,250	P. Sft	43	225,750

S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waiullah Bhutto	
17	Excavation in foundation of building and bridged and other structures i/c digbelling, dressing filling around structure with excavated earth watering, ramming and dewatering of subsoil water lead upto one chain and lift upto 5 ft in ordinary soil	8,128	P. Cft	38	308,864
18	Providing and laying 1:4:8 lime chiroli concrete bed under floor using graded stone ballast 2" and down gauge with levelling ramming watering and curing etc complete.	2,033	P. Cft	152	309,016
19	Filling watering and ramming sand in floor brought from outside sources lead upto three mile and lift upto 5 ft.	8,128	P. Cft	53	430,784
20	Providing and laying stone flooring with cut, dressed in size (12" x 8") 3" thick lime mortar ratio (1:2) 3/4" thick i/c finishing etc complete.	4,065	P. Sft	1,670	6,788,550
21	Removing deteriorated and broken yellow stone vertical tiles around the plinth and removal of dismantled material for the site of work or as directed by the Engineer Incharge.	4,052	P. Sft	29	117,508
22	Providing and fixing yellow stone carving pices from ground level to plinth level vertically upto height of 30 feet, fine chisel dressed around the tome, laid in lime mortar 1:1, the visible surface of the joint will be treated with coloured mortar to match the adjoining. Complete in all respects.	4,052	P. Sft	4,800	19,449,600
23	Repairing / restoring / making on corner yellow stone burjies on Tom / chowkandies including cost of materials. Labour and transporation from market to site. Complete in all respects.	15	P. Job	88,200	1,323,000
24	Repairing of broken yellow stone beams / Arches with carving design i/c jacking, filling the crack with epoxy, then after setting fixing of brass clamp with nuts and bolts including cost of materials. Making holes of nuts bolts fixing, all labour, sundries and transporation from market to site complete in all respects.	11	P. Job	343,000	3,773,000
25	Providing and fixing yellow stone carving base patti 12" wide laid in lime mortar 1:1, the visible surface of the joint will be treated with colored mortar to match the adjoining.	273	P. Rft	3,040	829,920
26	Providing and fixing yellow stone carving base patti 9" wide laid in lime mortar 1:1, the visible surface of the joint will be treated with colored mortar to match the adjoining.	410	P. Rft	2,660	1,090,600
27	Providing, making and fixing yellow stone carving brackets in position between pillars.	285	Each	3,895	1,110,075

Handwritten signatures and initials of the project team, including the Engineer Incharge and other officials, are present on the right side of the page.

S.No.	Item of Work	Quantity	Unit	Rate		Amount
				M/s Waiullah Bhutto		
28	Restoring the missing and broken domes with yellow stone masonry and yellow stone slabs laid in lime mortar including all necessary scaffolding etc.complete. Large Size	9	Each	1,500,000		13,500,000
29	Restoring the missing and broken domes with yellow stone masonry and yellow stone slabs laid in lime mortar including all necessary scaffolding etc.complete. Small Size	9	Each	857,500		7,717,500
30	Providing and fixing yellow stone 9" x 21" wide cornice fine chisel dressed matching with existing around the dome, laid in lime mortar 1:1, the visible surface of the joint will be treated with colored mortar to match the adjoining. Complete in all respects.	1,125	P. Sft	6,000		6,750,000
31	Providing and making yellow stone pillar / shaft similar to original to be fixed in position rich lime mortar of any size and height etc, complete.	15	Each	215,600		3,234,000
32	Restoring yellow stone Chajja around canopies of any size and thickness.	1,202	P. Sft	3,420		4,110,840
33	Restoration of broken / damaged yellow stone carving graves after restoring the missing and broken platform.	40	Each	390,000		15,600,000
34	Providing and laying yellow stone perforated jali, including making, dressing, rubbin and chiseling in required shap with lime mortar 1:1, the visible surface of the joint will be treated with colored mortar to match the adjoining. Complete in all respects.	900	P. Sft	7,000		6,300,000
35	Providing and laying yellow stone Muttaka posts to be fixed in between yellow stone jali of required size etc.	621	Each	8,500		5,278,500
36	Removing deteriorated and broken Hala (Kashi) tiles very carefully of various design and sizes.	306	P. Sft	38		11,628
37	Providing and laying kashi tiles of various designs and sizes to be laid in lime mortar.	306	P. Sft	3,325		1,017,450
38	Dismantling bulged out decayed brick masonry and removal of dismantled material from site of work or as directed by the Engineer Incharge.	10,539	P. Cft	34		358,326
39	Providing and laying country burnt brick tile masonry of special size 10" x 7" x 1-1/2" laid in lime chiroli mortar, complete in all respects	10,539	P. Cft	475		5,006,025
40	Restoring Galta around the tomb	437	P. Rft	4,560		1,992,720






S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	
41	Restoration of corner burjies same as original on four side of the tomb.	23	Each	34,500	793,500
42	Removing damaged and broken Hala (Kashi) tiles flooring very carefully and removal of dismantled material from size.	273	P. Sft	38	10,374
43	Providing and laying Kashi tiles flooring of size 6" x 9" over a lime sand mortar ratio (1:2) average thickness 2" i/c cost of all material and carriage / transportation i/c all labour charges, complete.	273	P. Sft	3,325	907,725
44	Buffing, cleaning / washing of walls after removing the white wash / colour wash and filling the joints / voides with putty / chalk mixing with pigment to match the existing colour the rubbing / smoothing the surface, i/c cost of all material, labour and transportation etc. as directed by Engineer Incharge.	10,629	P. Sft	38	403,902
45	Repairing of broken stone beam i/c jacking, filling the crack with epoxy, then after setting fixing of brass clamp with nuts and bolts i/c cost of all materials, making holes for nuts bolts fixing, all labour, sundries and transportation from market to site complete in all respects.	20	P. Job	18,050	361,000
46	Carving on stone in different shapes and sizes of members / pieces fixing at different places in chowkandies i/c cost of fixing in position, all labour, sundries etc. complete in all respects.	11,344	P. Sft	4,215	47,814,960
47	Restoring the missing and broken domes with yellow stone masonry, fine chisel dressed matching with existing around the dome, laid in lime mortar 1:1 the visible surface of the joints will be treated with coloured mortar to match the adjoining i/c necessary scaffolding complete in all respect as per direction by the Engineer Incharge.	28,840	P. Sft	2,204	63,563,360
48	Providing and fixing stone pillar / shaft similar to original shape upto height of 12' feet in rich lime mortar.	12	Each	21,850	262,200
49	Conservation of Graves of Local Stone masonry i/c Excavation in foundation, Providing and laying 1:4:8 lime sand concrete bed under floor using graded stone ballast 2", Graves Platform of local stone random masonry (uncoursed) with lime sand mortar 1:4 complete of existing size and design finished with lime chiroli mortar, 2" thick lime chiroli terraced flooring and 3/4" lime sand plaster etc complete as per direction of Engineer Incharge.	85	Each	336,000	28,560,000
SH-III: Provision of Furniture and Fixture					
1	Executive Table (with Side Table) for Director (8' x 4') Best Quality	1	Each	102,375	102,375
2	Table for PA to Director (Best Quality)	1	Each	47,250	47,250
3	Executive Table (with Side Table)	3	Each	78,750	236,250

S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	
4	Office Table (with Side Table)	9	Each	78,750	708,750
5	Chair for Director (Best Quality)	4	Each	23,625	94,500
6	Chair for PA to Director (Best Quality)	2	Each	15,750	31,500
7	Executive Chair	1	Each	23,625	23,625
8	Office Chair (Best Quality)	2	Each	23,625	47,250
9	Visitor Chairs (Best Quality)	22	Each	12,600	277,200
10	Sofa Set (3 Seater) (Best Quality)	4	Each	94,500	378,000
11	Sofa Set (2 Seater) (Best Quality)	7	Each	63,000	441,000
12	Sofa Set (1 Seater) (Best Quality)	8	Each	31,500	252,000
13	Side Table (1st Quality)	3	Each	23,625	70,875
14	Side Table (2nd Quality)	2	Each	15,750	31,500
15	Center Table (Best Quality)	3	Each	31,500	94,500
16	Reception Counter (Best Quality)	1	Each	78,750	78,750
17	Chair for Receptionist (Best Quality)	1	Each	18,900	18,900
18	Location Board	1	Each	15,225	15,225
19	Reading Table	3	Each	31,500	94,500
20	Chairs	3	Each	12,600	37,800
21	Book Shelves	3	Each	39,375	118,125
22	Computer Tables	3	Each	23,625	70,875
23	Revolving Chair (Best Quality)	3	Each	15,750	47,250
24	Conference Table with 12 Nos. of Chairs	1	Each	630,000	630,000
25	Mirror (Local)	2	Each	4,725	9,450
26	File Cabinet (Wooden)	15	Each	31,500	472,500
27	Table Accessories (1st Quality)	4	Each	14,700	58,800

S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	
28	Table Accessories (2nd Quality)	4	Each	7,875	31,500
29	Table Accessories (3rd Quality)	1	Each	3,150	3,150
30	Coat Hanger (Best Quality)	2	Each	7,875	15,750
31	Dustbin (1st Quality)	5	Each	3,150	15,750
32	Dustbin (2nd Quality)	6	Each	1,575	9,450
33	Dustbin (3rd Quality)	4	Each	788	3,152
34	Wall Bulletin Board (Local)	2	Each	3,150	6,300
SH-IV: Provision of Machinery and Equipment					
1	Laptop (Core i7, 17") with Printer & Scanner	1	Each	332,500	332,500
2	Core i3 Computer System with all Accessories	6	Each	285,000	1,710,000
3	External Hard Drive (1000 GB)	3	Each	47,500	142,500
4	UPS for Computer System	3	Each	76,000	228,000
5	3D Scanner	1	Each	855,000	855,000
6	Plotter	1	Each	95,000	95,000
7	DSLR Camera (Lens with all accessories)	1	Each	570,000	570,000
8	Movie Camera with stand	1	Each	285,000	285,000
9	Mic Address System with Speakers (16 Channels)	1	Each	380,000	380,000
10	Multimedia Projector with screen	2	Each	570,000	1,140,000
11	Printer (Colour) A-3	1	Each	190,000	190,000
12	Hard Scanner	1	Each	285,000	285,000
13	Split AC (2 Ton)	2	Each	152,000	304,000
14	Split AC (1.5 Ton)	10	Each	104,500	1,045,000
15	LED TV 42"	1	Each	171,000	171,000
16	LED TV 32"	1	Each	142,500	142,500






S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	
17	Photocopier Machine	1	Each	475,000	475,000
18	PABX System (4+20)	1	Each	285,000	285,000
19	UPS for PABX System	1	Each	76,000	76,000
20	Internet Router with Accessories	1	Each	85,500	85,500
21	Telephone Set (Best Quality)	2	Each	4,750	9,500
22	Intercom Telephone Set (Best Quality)	2	Each	4,750	9,500
23	Fax Machine	1	Each	57,000	57,000
24	Water Dispenser	4	Each	49,875	199,500
25	Fire Extinguisher	15	Each	19,000	285,000
26	Security Flood Light	8	Each	33,250	266,000
27	Generator (10 KVA)	1	Each	1,100,000	1,100,000
28	Electric Water Cooler	1	Each	84,000	84,000
29	Computer Software	Lump Sum			95,000
30	Computer Networking with all Accessories	Lump Sum			95,000

SH-V: Others

1	Documentation One of the fundamental management tasks at world heritage site is to fully document the site using a variety of media and methods i/c map, plans architectural details, photographs film and text. Custodian must also record in detail every intervention into the fabric and form of the site. In order to make record of the cultural heritage and undertake positive research and also prepare more authentic and comprehensive documentation. It is imperative to encourage the use of modern equipment and sophisticated gadgets. To achieve this target necessary modern and a latest digital cameras, drawing survey equipments, (Theodolite) materials, and GPS etc are required purchasing will be done on emergency first aid and on short term basis.	2	Each	285,000	570,000
	Digital Camera with Accessories	1	Each	380,000	380,000
	GPS with Accessories	1	Each	570,000	570,000
	Theodolite with Accessories	1	P. Job	9,500,000	9,500,000
2	Provision for Preparation of detail Master Plan according to the set principals of International Charters as the site is included in the World Heritage Site.				





S.No.	Item of Work	Quantity	Unit	Rate	Amount
				M/s Waliullah Bhutto	
3	Report writing regarding the existing condition of the monuments and graves which are spreaded over 912 Acres area and badly suffered by environment, natural disasters and human vandalism. Recommendation and suggestion are required for remedial measure to improve the site and tourism.	1	P. Job	570,000	570,000
4	Creation of WEB site for promotion of Cultural Heritage Internationally.	1	P. Job	2,375,000	2,375,000
5	Provision for printing of conditional report, study report, analysis of material report, solution of problems and documentation with all means etc in book shape.	1	P. Job	4,750,000	4,750,000


Total

398,800,668


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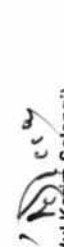
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