



**KINGDOM OF SAUDI AREBIA
MINISTRY OF FINANCE**

**PROJECT
PREPARING OF DESIGN & FINAL DRAWING FOR
ARABIC AND ISLAMIC SCIENCE INSTITUTE
JAKARTA - INDONESIA**

FINAL DESIGN

**Accommodation Building
BILLS OF QUANTITIES**

JAMADI AWWAL 1438

FEBRUARY 2017

مخططون ومعماريون ومهندسون
الخصيبي والشعبي ((تضامنية))
PLANNERS , ARCHITECTS & ENGINEERS

البيئة
Beeah 

CIVIL & ARCHITECTURAL
WORKS

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building

1 / 20

Bill No. (00) Preliminary works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|------|------|-------------|--------------|
| 00/01 | <p>Provide, supply and install the following preliminaries items complete in accordance with specifications.</p> <p>Prepare and provide appropriate shop drawings of all elements, goods, systems and materials comprising or to be incorporated in to the works and in accordance with schedule for submittal and according to contract documents. Rate USD.....</p> | NO | 1 | | |
| 00/02 | <p>Submit (as built drawings) according to specs. Rate USD.....</p> | NO | 1 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building

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Bill No. 02 Excavation, filling & Demolition works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|----------------|------|-------------|--------------|
| | As per specification, drawing and Engineer instructions Excavation in any kind of soil up to levels indicated in the drawing | | | | |
| 02/01 | Excavation for raft foundation including backfilling Rate USD..... | m ³ | 2770 | | |
| 02/02 | Internal backfilling up to design level Rate USD..... | m ³ | 480 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building

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Bill No. 03 Concrete Works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|----------------|------|-------------|--------------|
| | As per specification, drawing and Engineer instructions | | | | |
| | PLAIN CONCRETE (P.C) | | | | |
| 03/01 | 100 mm thick P.C 21 mpa under, raft foundation including vapor retarder Rate USD..... | m ³ | 185 | | |
| 03/02 | 50 mm thick P.C 21 mpa under, raft foundation and slab on grade Rate USD..... | m ² | 3290 | | |
| 03/03 | 30-160mm thick P.C. 21 mpa laid to slope Rate USD..... | m ² | 1330 | | |
| | REINFORCED CONCRETE | | | | |
| 03/04 | 100 mm thick grade slab 32 mpa with 5 Y 10 mm/m in two directions including polyethylene sheet with thick 500 micron Rate USD..... | m ² | 1480 | | |
| 03/05 | R.C for raft foundation 32 mpa including Two layers water proofing membrane reinforced with polyester fiber every layer 3mm thick. Rate USD..... | m ³ | 1815 | | |
| 03/06 | R.C 32 mpa for columns Rate USD..... | m ³ | 275 | | |
| 03/07 | R.C 32 mpa for solid slabs and beams Rate USD..... | m ³ | 1460 | | |
| 03/08 | R.C. 32 mpa for Stairs Rate USD..... | m ³ | 42 | | |
| 03/09 | R.C. 32 mpa for Walls Rate USD..... | m ³ | 240 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: Accommodation Building

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Bill No. 04 Masonry Work.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|----------------|------|-------------|--------------|
| | Supply and Mason following pre-cast block with cement mortar including joints, ties and accessories etc. as per drawings and specification | | | | |
| 04/01 | 100 mm solid concrete block Rate USD..... | m ² | 420 | | |
| 04/02 | 100 mm Hollow concrete block Rate USD..... | m ² | 120 | | |
| 04/03 | 200 mm Hollow concrete block Rate USD..... | m ² | 4360 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: Accommodation Building

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Bill No. 05 Metal Work.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|------|------|-------------|--------------|
| | <p>Supply & Install the following Metal works as per drawings and specification</p> | | | | |
| 05/01 | 50mm dim polished brass handrail with 40mm dim black lacquered iron for stairs and court Rate USD..... | NO | 250 | | |
| 05/02 | Galvanized steel ladder for stairs roof Rate USD..... | NO | 2 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building

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Bill No. 06 Wooden works

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|------|------|-------------|--------------|
| 06/01 | <p>Supply and install wood works as per specification , drawing and engineer recommendations .</p> <p>Counter wood for hobbies rooms, haircutter merchant, library and photocopy Rate USD.....</p> | L.m | 110 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: Accommodation Building

7 / 20

Bill No. 07 Insulation & Water Proofing

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|----------------|------|-------------|--------------|
| | Supply and install the following items complete as per drawings and specification | | | | |
| 07/01 | Two layers water proofing membrane reinforced with polyster fiber every layer 3mm thick., for roof including aluminium skirting and layers protection. Rate USD..... | m ² | 1330 | | |
| 07/02 | Two layers water proofing membrane reinforced with polyster fiber every layer 3mm thick, under slab on grade, toilets and kitchens including layers protection Rate USD..... | m ² | 1890 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: Accommodation Building

8 / 20

Bill No. 08 Doors & Windows

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|------|------|-------------|--------------|
| | Doors, window, partitions and glass curtain walls as per drawings and spec. Including glass, frames, leafs, hardware, painting fixing, insect screen, aluminum louvers and all accessories as per drwg, and specification | | | | |
| | ALUMINUM GLASS DOORS | | | | |
| 08/01 | Door type (D1) size 5000x2200mm Rate USD..... | NO | 2 | | |
| 08/02 | Door type (D2) size 4600x2200mm Rate USD..... | NO | 1 | | |
| 08/03 | Door type (D3) size 1500x2200mm Rate USD..... | NO | 10 | | |
| 08/04 | Door type (D4) size 1600x2200mm Rate USD..... | NO | 7 | | |
| | WOOD FLUSH DOORS | | | | |
| 08/05 | Door type (D5) size 1600x2200mm Rate USD..... | NO | 4 | | |
| 08/06 | Door type (D6) size 1000x2200mm Rate USD..... | NO | 91 | | |
| 08/07 | Door type (D6) size 1100x2200mm Rate USD..... | NO | 3 | | |
| 08/09 | Door type (D8) size 1000x2200mm Rate USD..... | NO | 22 | | |
| 08/10 | Door type (D10) size 1000x2200mm Rate USD..... | NO | 1 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
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Works: Accommodation Building

9 / 20

Bill No. 08 Doors & Windows

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|------|------|-------------|--------------|
| | VENEER FIBER LAMINATED DOORS | | | | |
| 08/11 | Door type (D7) size 750x2000mm Rate USD..... | NO | 39 | | |
| | STEEL DOORS | | | | |
| 08/12 | Door type (D9) size 1000x2200mm Rate USD..... | NO | 2 | | |
| 08/13 | Door type (D11) size 600x2000mm Rate USD..... | NO | 14 | | |
| | GLASS AND ALUMINIUM WINDOWS | | | | |
| 08/14 | Window type (W1) size 4800x1600mm Rate USD..... | NO | 17 | | |
| 08/15 | Window type (W2) size 4200x1600mm Rate USD..... | NO | 5 | | |
| 08/16 | Window type (W3) size 1800x1600mm Rate USD..... | NO | 96 | | |
| 08/17 | Window type (W3) size 1800x1600mm Rate USD..... | NO | 1 | | |
| 08/18 | Window type (W4) size 600x1600mm Rate USD..... | NO | 18 | | |
| 08/19 | Window type (W4) size 600x700mm Rate USD..... | NO | 10 | | |
| 08/20 | Window type (W5) size 1800x500mm Rate USD..... | NO | 103 | | |
| 08/21 | Window type (W6) size 4800x500mm Rate USD..... | NO | 19 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: Accommodation Building

10 / 20

Bill No. 08 Doors & Windows

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|----------------|------|-------------|--------------|
| 08/22 | Window type (W7) size 1200x500mm Rate USD..... | NO | 25 | | |
| 08/23 | Window type (W8) size 600x1200mm Rate USD..... | NO | 4 | | |
| | ALUMINUM COLLESTRA PARTIONS | | | | |
| 08/24 | Aluminum collestra For lounge areas Rate USD..... | m ² | 560 | | |
| | skylights | | | | |
| 08/25 | Supply and installation of skylight, including steel space frame and all accessories necessary for installation, as shown in the drawings, and installed on an aluminum frame of the irrigated type, with a thickness of not less than 1.8 mm and a width of 10 cm. painted with powder coated super durable paint mentioned in general specifications for glass works with the submission of an integrated construction study to determine the appropriate sectors for wind and earthquake resistance. This study is approved by the supervising engineer before manufacturing and supply, as well as a guarantee from the executing company for a period of no less than ten years according to the following specifications: Rate USD..... | m ² | 160 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: Accommodation Building

11 / 20

Bill No. 09 Finishes

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|----------------|------|-------------|--------------|
| | All works according to drawings and specification | | | | |
| | FLOOR FINISHES | | | | |
| 09/01 | 400x400x20mm Granite tiles for out door entrance Rate USD..... | m ² | 15 | | |
| 09/02 | 400x400x9mm unglazed ceramic tiles for main entrance, lounges and corridors including skirting 400x100x9mm Rate USD..... | m ² | 2530 | | |
| 09/03 | 300x300x9 mm unglazed Ceramic tiles for control, security, bank, post office, photocopy, merchant, hair cutter, supervisors, restaurant, special restaurant, hobbies, trainer and administration rooms including skirting 300x100x9mm Rate USD..... | m ² | 920 | | |
| 09/04 | 200x200x9mm unglazed ceramic tiles for toilets, refrigerator, preparation, cooking and kitchenette Rate USD..... | m ² | 410 | | |
| 09/05 | 6 mm thick carpet (100% nylon) for library include 100x20mm hard oak wood skirting Rate USD..... | m ² | 32 | | |
| 09/06 | 300x300x30mm terrazzo tiles for handicapped bedrooms, storage, supervisors bedrooms and student bedrooms including skirting 300x100x30mm Rate USD..... | m ² | 2040 | | |
| 09/07 | 3mm thick vinyl tiles for gymnasium including skirting 100x3mm Rate USD..... | m ² | 375 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building

12 / 20

Bill No. 09 Finishes

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------------------------|---|----------------|------|-------------|--------------|
| 09/08 | Epoxy paint on 100mm thick fair concrete for exit and electric rooms Rate USD..... | m ² | 60 | | |
| 09/09 | 60mm thick interlocking paving tiles for court Rate USD..... | m ² | 132 | | |
| 09/10 | 200x200x20 Cement tiles for roof and under Item (09/5 , 09/7) Rate USD..... | m ² | 1737 | | |
| INTERNAL WALL FINISHING | | | | | |
| 09/11 | Acrylic paint on plaster Rate USD..... | m ² | 7530 | | |
| 09/12 | Texture paint on plaster for court and stairs Rate USD..... | m ² | 570 | | |
| 09/13 | Internal cement plaster for Item (09/11 , 09/12) Rate USD..... | m ² | 8100 | | |
| 09/14 | 200x200x6mm thick Ceramic tiles Rate USD..... | m ² | 1190 | | |
| 09/15 | Internal cement plaster for item (09/14) Rate USD..... | m ² | 1190 | | |
| 09/15 | Internal smooth cement plaster for electrical rooms Rate USD..... | m ² | 90 | | |
| EXTERNAL WALL FINISHING | | | | | |
| 09/16 | Texture paint on plaster Rate USD..... | m ² | 3725 | | |
| 09/17 | External cement plaster for item (9/16) Rate USD..... | m ² | 3725 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building

13 / 20

Bill No. 09 Finishes

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------------|---|----------------|-------------|--------------------|---------------------|
| | CEILING FINISHING | | | | |
| 09/18 | Acrylic paint on plaster Rate USD..... | m ² | 6410 | | |
| 09/19 | Internal cement plaster for item (09/18) Rate USD..... | m ² | 6410 | | |
| 09/20 | Internal smooth cement plaster for electrical room Rate USD..... | m ² | 12 | | |
| | STAIR FINISHING | | | | |
| 09/20 | Granite steps with 40mm treads and 20mm risers Rate USD..... | L.m | 270 | | |
| | MISCELANEOUS | | | | |
| 09/21 | 30 mm thick granite counter top for lavatories including 20mm thick top and 30mm thick bottom risers Rate USD..... | L.m | 35 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: Accommodation Building

14 / 20

Bill No. 10 Specialties

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|----------------|------|-------------|--------------|
| | Supply and install the following items complete in accordance with drawings and specifications | | | | |
| | TOILETS: | | | | |
| 10/01 | Toilet Paper holder 150x150mm (TPH) Rate USD..... | NO | 40 | | |
| 10/02 | Dryer Machine Rate USD..... | NO | 11 | | |
| 10/03 | 6mm thick Normal type mirrors Rate USD..... | m ² | 35 | | |
| 10/04 | Liquid soap dispenser (LSD) Rate USD..... | NO | 48 | | |
| 10/05 | Grab bar type (1) Rate USD..... | NO | 2 | | |
| 10/06 | Grab bar type (2) Rate USD..... | NO | 2 | | |
| 10/07 | Stainless steel single robe hook Rate USD..... | NO | 40 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building

15 / 20

Bill No. (11) Signage works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | SUB - TOTAL AMOUNT |
|-------------|--|------|------|-------------|--------------------|
| | All signboards must be done accurately and placed in the specified places in drawings and according to the consultant engineer's instructions | | | | |
| 11/01 | Supply and install 200 x 300 mm ceiling fixed signboard type (02) indicating (Entrances and Exits directions), with engraved writing, fixed with a 20mm diameter aluminum pipe and made of 3mm thick acrylic with aluminum frame, and fixed with stainless steel screws as per drawings and the instructions of the consultant engineer. Rate USD | NO | 16 | | |
| 11/02 | Supply and install 200 x 200 mm wall fixed signboard type (09) for the Restaurant, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 8 | | |
| 11/03 | Supply and install 200 x 200 mm wall fixed signboard type (10) for the Coffee shop , with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 8 | | |
| 11/04 | Supply and install 200 x 200 mm wall fixed signboard type (14) for men only areas, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 9 | | |
| Sub - Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building

16 / 20

Bill No. (11) Signage works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | SUB - TOTAL AMOUNT |
|--------------------|--|-------------|-------------|--------------------|---------------------------|
| 11/05 | Supply and install 200 x 200 mm wall fixed signboard type (16) for handicapped areas, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 1 | | |
| 11/06 | Supply and install 200 x 200 mm wall fixed signboard type (20) for authorized personnel only, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 7 | | |
| 11/07 | Supply and install 200 x 200 mm wall fixed signboard type (21) for elevator spaces, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 8 | | |
| 11/08 | Supply and install 200 x 200 mm wall fixed signboard type (24) to indicate the Fire extinguisher locations, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 56 | | |
| 11/08 | Supply and install 200 x 200 mm wall fixed signboard type (22) to indicate the Fire extinguisher locations, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 2 | | |
| Sub - Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building

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Bill No. (11) Signage works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | SUB - TOTAL AMOUNT |
|-------------|---|------|------|-------------|--------------------|
| 11/09 | Supply and install 200 x 200 mm wall fixed signboard type (25) for the Fire extinguishing box place, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 19 | | |
| 11/10 | Supply and install 200 x 200 mm wall fixed signboard type (28) for Elec. room, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 6 | | |
| 11/11 | Supply and install 50x250 mm door fixed signboard type (31) for rooms designation made of 3mm thick acrylic with aluminum frame as per drawings and consultant engineer's instructions.. Rate USD | NO | 74 | | |
| 11/12 | Supply and install 150x150 mm door fixed signboard type (32) for rooms designation made of 3mm thick acrylic with aluminum frame as per drawings and consultant engineer's instructions. Rate USD | NO | 2 | | |
| Sub - Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|------|------|-------------|--------------|
| | Provide, supply and install the following preliminaries items complete in accordance with specifications. | | | | |
| 12/01 | Reception and service counters .comprising 18mm thick MDF board faces with solid wood veneer for some parts and with 12mm solid acrylic panels for other parts .as shown on drawings .including 13mm thick Corian counter top .steel structure .stainless steel pipes drawers . clear lacquer paint .wood treatment .lighting system .hardware .fittings and all works as per drawings and Engineer's instructions in accordance with specification Rate USD..... | L.m | 100 | | |
| 12/02 | Followed as mentioned in the preliminary work of the collection and storage of pieces of furniture on the site, the contractor shall be distributed throughout the building as proposed in the plans and instructions for the owner and consultant, and request brushes building pieces of additional furniture or were not present leftward and ride according to the drawings or furniture superiority. | | | | |
| 12/02/01 | CH8 Rate USD..... | NO | 23 | | |
| 12/02/02 | D3 Rate USD..... | NO | 20 | | |
| 12/02/03 | S3 Rate USD..... | NO | 24 | | |
| 12/02/04 | TS3 Rate USD..... | NO | 33 | | |
| 12/02/05 | S2 Rate USD..... | NO | 24 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: Accommodation Building

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|-----------------------------|------|------|-------------|--------------|
| 12/02/06 | T3 Rate USD..... | NO | 76 | | |
| 12/02/07 | CH13 Rate USD..... | NO | 304 | | |
| 12/02/08 | CM Rate USD..... | NO | 2 | | |
| 12/02/09 | CU Rate USD..... | NO | 136 | | |
| 12/02/10 | CU3 Rate USD..... | NO | 1 | | |
| 12/02/11 | TS1 Rate USD..... | NO | 1 | | |
| 12/02/11 | T1 Rate USD..... | NO | 5 | | |
| 12/02/11 | B1 Rate USD..... | NO | 130 | | |
| 12/02/11 | CO Rate USD..... | NO | 113 | | |
| TOTAL | | | | | |

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| Sub-Total.. | USD |
|------------------------|-----|
| Sub-total from page 01 | |
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| Total.. | |

Sub – total to be copied to the resume

Table No (15) PLUMBING WORKS – HOUSING

HOUSING BUILDING PLUMBING.

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

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Table No (15) PLUMBING WORKS – HOUSING

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------------|---|------|------|-------------|--------------|
| 15/0 | PLUMBING WORKS: NOTES: -All sanitary fixtures shall be approved with the type, shape as approved by the client representative. - All mixers, taps and valves shall be approved equal with the type, shape as approved by the client representative. - The price unit of sanitary fixtures includes soil, waste branch up to the inspection chamber or gully trap or main riser and CPVC water supply pipes in the toilets with diam. shown in DWG and main valves for toilets. | | | | |
| | SANITARY FIXTURES TRIM AND ACCESSORIES: | | | | |
| | Provide and install sanitary fixtures, including required trim, fittings, traps, escutcheons, branch drain pipes from fixture to soil, and vent stacks or main drain header. | | | | |
| 15/1 | Water Closets including support, valve, connecting piping & flushing tank, flexible spray hose WC Rate USD | NO | 40 | | |
| 15/2 | Lavatories, , including fixtures, valves, connecting, piping and P-traps . Rate USD | | | | |
| 15/2/1 | mounted in counter type (L1) Rate USD | NO | 40 | | |
| 15/3 | Kitchen sink including fixtures, valves, connecting, piping and P-traps . & drain . | | | | |
| 15/3/1 | (KS-1) double bowl Rate USD | NO | 9 | | |
| SUB-TOAL | | | | | |

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Jakarta, Indonesia

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Table No (15) PLUMBING WORKS – HOUSING

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------------|---|------|------|-------------|--------------|
| 15/4 | Electrical water cooler Rate USD | NO | 5 | | |
| 15/5 | Shower 75x75mm including fixtures, connecting piping and trap and all accessories Rate USD | NO | 37 | | |
| 15/6 | Hot water heaters complete with control valves and electrical power supply connection 50 liter Rate USD | NO | 11 | | |
| | 80 liter Rate USD | NO | 1 | | |
| 15/6 | Janitor sink including fixtures, connecting piping and traps and drain and all accessories. Rate USD | NO | 1 | | |
| 15/7 | U.P.V.C pipes class (5) Provide all materials and labor required to make the underground & cold water riser piping systems fully operable and approved, complete with fitting, jointing, hanger, and supports, in accordance with plane and specification to | | | | |
| 15/7/2 | 32mm diameter pipe Rate USD | L.m | 10 | | |
| 15/7/3 | 40mm diameter pipe Rate USD | L.m | 35 | | |
| SUB-TOAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

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Table No (15) PLUMBING WORKS – HOUSING

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------------|--|------|------|-------------|--------------|
| 15/7/4 | 50mm diameter pipe Rate USD | L.m | 10 | | |
| 15/7/5 | 63mm diameter pipe Rate USD | L.m | 70 | | |
| 15/7/6 | 80mm diameter pipe Rate USD | L.m | 25 | | |
| 15/8 | Gate valve, complete with fitting, as specified . | | | | |
| 15/8/1 | 3" dia Rate USD | NO | 1 | | |
| 15/8/1 | 2.5" dia Rate USD | NO | 2 | | |
| | 1.5" dia Rate USD | NO | 1 | | |
| 15/8/2 | 1" dia Rate USD | NO | 1 | | |
| SUB-TOAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

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Table No (15) PLUMBING WORKS – HOUSING

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|------|------|-------------|--------------|
| | Plumbing for Sanitary Sewer System | | | | |
| 15/9 | Inspection chamber R.C 600*600mm complete With cover , insulation ,benching and excavation Rate USD | NO | 5 | | |
| 15/10 | Inspection chamber R.C 600*900mm complete With cover , insulation ,benching and excavation Rate USD | NO | 2 | | |
| 15/11 | Grease trap chamber 600*900mm complete With cover , insulation ,benching and excavation Rate USD | NO | 1 | | |
| 15/12 | Furnish and install Gully trap, of outlet size 110mm dia, 300*300mm, completed as specified Rate USD | NO | 1 | | |
| 15/13 | Furnish and install trapped floor drains, plastic type, with adjustable and removable strainer, chrome plated grate . Floor drains : | | | | |
| 15/13/1 | type (FD1) 50 mm dia. Rate USD | NO | 38 | | |
| 15/13/2 | type (FD2) 75 mm dia. Rate USD | NO | 13 | | |
| 15/13/3 | type (FD3) 100 mm dia. Rate USD | NO | 1 | | |
| SUB-TOTAL | | | | | |

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Jakarta, Indonesia

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Table No (15) PLUMBING WORKS – HOUSING

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|--|------|------|-------------|--------------|
| 15/14 | Furnish and install UPVC pipes, (class 3) for drainage system , asspecified . | | | | |
| 15/14/1 | 160mm dia Rate USD | L.m | 120 | | |
| 15/14/2 | 110mm dia Rate USD | L.m | 90 | | |
| 15/14/3 | 75mm dia Rate USD | L.m | 40 | | |
| 15/15 | Roof Drain System | | | | |
| 15/15 /01 | Furnish and install rain gutter, of outlet size 125mm including fittings, supports and all accessories as specified . Rate USD | NO | 2 | | |
| 15/15 /02 | Furnish and install Free Discharge (scupper) as specified On drawing Rate USD | NO | 1 | | |
| 15/15 /03 | Supplying, installing, testing Roof tank each 15m3 capacity With all accessories, fitting, valves, as specification to finish the work as shown on drawing. Rate USD | NO | 2 | | |
| SUB-TOAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

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Table No (15) PLUMBING WORKS – HOUSING

| Sub-Total.. | USD |
|-----------------------|-----|
| Sub-total from page 1 | |
| Sub-total from page 2 | |
| Sub-total from page 3 | |
| Sub-total from page 4 | |
| Sub-total from page 5 | |
| Total | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 15
PAGE NO. : 1/3

WORK: Fire Fighting

ACCOMMODATION BUILDING

WORK: Fire Fighting

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 15
PAGE NO. : 2/3

WORK: Fire Fighting

ACCOMMODATION BUILDING

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------------|--|------|------|-------------|--------------|
| 15/16 | Supply and install black seamless steel sch.(40)complete with all fittings and accessories for interior fire fighting works | | | | |
| 15/16/1 | Diam. 1" Rate USD..... | L.m | 2200 | | |
| 15/16/2 | Ditto but 1.25" Rate USD..... | L.m | 48 | | |
| 15/16/3 | Ditto but 1.5" Rate USD..... | L.m | 400 | | |
| 15/16/4 | Ditto but 2" Rate USD..... | L.m | 350 | | |
| 15/16/5 | Ditto but 2.5" Rate USD..... | L.m | 220 | | |
| 15/16/6 | Ditto but 3" Rate USD..... | L.m | 275 | | |
| 15/16/7 | Ditto but 4" Rate USD..... | L.m | 275 | | |
| 15/16/8 | Ditto but 6" Rate USD..... | L.m | 120 | | |
| 15/16/9 | Supply and install stainless steel fire hose cabinet which include fire hose length 30m , with nozzle 1 ½ “ diameter , and portable fire exiting . 6 kg (ABCDE) complete with all necessary fittings. Rate USD..... | NO | 11 | | |
| Sub-Total.. | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 15
PAGE NO. : 3/3

WORK: Fire Fighting

ACCOMMODATION BUILDING

| | | | | | |
|--------------------|--|----|-----|--|--|
| 15/16/10 | Supply and install portable multi-purpose fire extinguisher (ABCDE) dry chemical powder 6 kg. Rate USD..... | NO | 35 | | |
| 15/16/11 | Supply and install portable Co2 fire extinguisher 6 kg. Rate USD..... | NO | 5 | | |
| 15/16/12 | Supply and install Automatic multi-purpose fire extinguisher (ABCDE) dry chemical powder 6 kg. Rate USD..... | NO | 5 | | |
| 15/16/13 | Supply and install automatic fire sprinkler which open at 68 c, ½” orifice threaded, UL listed/ FM approved Pendent sprinkler, chrome finished Rate USD..... | NO | 764 | | |
| 15/16/14 | Supply and install zone control unit valves with diam. 6” which include the followings: 1- 6” OS&Y Iron Body Gate Valve UL Listed/ FM Approved 2-Supervisory tamper switch, system sensor ,UL listed /FM approved 3- 6” Swing check valve flanged, UL listed / FM approved 4- 6” Water flow switch , system sensor, UL listed /FM approved 5- Pressure gauge, UL listed. 5- 1” Test & drain connection with sight glass, UL listed /FM approved Rate USD..... | NO | 5 | | |
| Sub-Total.. | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 15
PAGE NO. : 4/3

WORK: Fire Fighting

ACCOMMODATION BUILDING

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------------|---|-------------|-------------|--------------------|---------------------|
| 15/16/15 | Supply and install automatic air vents, complete with all accessories. Rate USD..... | NO | 1 | | |
| 15/16/16 | Supply and install landing valves 2.5", complete with all accessories. Rate USD..... | NO | 5 | | |
| 15/16/17 | Supply and install Approved automatic (FM-200) fire suppression system complete with charged cylinders , actuators , piping , nozzles , release panel , detectors , wiring , alarm device , and connection to main fire alarm panels , According to NFPA & CIVIL DEFENCE REQUIREMENTS. FM200 System 47kg. (Control room). Rate USD..... | NO | 1 | | |
| Sub-Total.. | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 15
PAGE NO. : 5/3

WORK: Fire Fighting

ACCOMMODATION BUILDING

| Sub-Total.. | USD |
|------------------------------|------------|
| Sub-total from page 1 | |
| Sub-total from page 2 | |
| Sub-total from page 3 | |
| Total.. | |

Heating Ventilation & Air Conditioning WORK

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building
BILL NO. (15): H V A C

1 of 6

| ITEM UNIT | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|-----------------------|---|------|-----|----------------|-----------------|
| 15/1 | SUPPLY, INSTALL AND COMMISSNING HEATING, VENTIALTION AND AIR CONDITIONING SYSTEM COMPLETE WITH THE FOLLOWING: - | | | | |
| 15/1/1 | SPLIT FAN COIL UNIT HIGH WALL MOUNTED COMPLETE WITH FILTER (Spec. 3-2-13) Split (FC-1) Unit with capacity 18000 (BTU/HR) cooling due to specifications and schedules complete with the followings : <ul style="list-style-type: none"> - Air-cooled condensing unit-copper tubes with fans and motors. - Direct expansion cooling coil with copper tubes. - Pre-filter with 30 % efficiency - Supply fan centrifugal type - Electric connections - Drain piping from unit to nearest drain point. RATE USD | NO | 1 | | |
| Sub-Total P -1 | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building
BILL NO. (15): H V A C

2 of 6

| ITEM UNIT | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|-----------------------|--|------|-----|----------------|-----------------|
| 15/2 | FANS: - (Spec. 13-2-3) | | | | |
| 15/2/1 | Axial wall mounted fan (EF-01) with airflow cap. 75 CFM. Due to specifications and schedules complete with the followings: <ul style="list-style-type: none"> - Electric motors and starters - All electric connections and wiring from main DP to the fans - Wind damper - All other accessories due to manufacture bases. RATE USD | NO | 23 | | |
| 15/2/2 | Ditto but (EF-02) with airflow cap. 150 CFM RATE USD | NO | 2 | | |
| 15/2/3 | Ditto but (EF-03) with airflow cap. 200 CFM . RATE USD | NO | 6 | | |
| 15/2/4 | CENTRIFUGAL BELT DRIVEN FAN (EF-09) with airflow cap. 3500 CFM. and static pressure 1in Due to specifications and schedules complete with the followings: <ul style="list-style-type: none"> - Electric motors and starters - All electric connections and wiring from main DP to the fans - Wind damper All other accessories due to manufacture bases. RATE USD | NO | 1 | | |
| Sub-Total P -2 | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: Accommodation Building
BILL NO. (15): H V A C

3 of 6

| ITEM UNIT | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|-----------------------|---|------|------|----------------|-----------------|
| 15/3 | AIR DUCT WORK SYSTEM: Galvanized steel duct work, including union fittings, and all accessories Complete with splitters, fire & volume dampers supports, air deflectors RATE USD | Kg | 2000 | | |
| Sub-Total P -3 | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: Accommodation Building
BILL NO. (15): H V A C

4 of 6

| ITEM UNIT | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|-----------------------|--|------|-----|----------------|-----------------|
| 15/4 | Tools required for maintenance according to specification RATE USD | NO | 1 | | |
| Sub-Total P -4 | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building
BILL NO. (15): H V A C

5 of 6

| Sub-Total. | USD |
|-----------------------|------------|
| Sub-total from page 1 | |
| Sub-total from page 2 | |
| Sub-total from page 3 | |
| Sub-total from page 4 | |
| Total. | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
PAGE NO. : 1 OF 16

WORK : ELECTRICAL

Building : Accommodation

ELECTRICAL

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
PAGE NO. : 2 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/1 | Low Voltage Network Supply, install and test distribution panel boards includes all supports, boxes fitting and all accessories to make the system operational and as in panel boards schedules and electrical dwgs. | | | | |
| 16/1/1 | Supply, install distribution panel boards Type LDB-HOU.-G According to dwgs .and specs. Rate USD..... | NO | 1 | | |
| 16/1/2 | Supply, install distribution panel boards Type LDB-HOU.-1 According to d wg .and specs. Rate USD..... | NO | 1 | | |
| 16/1/3 | Supply, install distribution panel boards Type LDB-HOU.-2 According to dwg .and specs. Rate USD..... | NO | 1 | | |
| 16/1/4 | Supply, install distribution panel boards Type LDB-HOU.-3 According to dwg .and specs. Rate USD..... | NO | 1 | | |
| 16/1/5 | Supply, install distribution panel boards Type LDB-HOU.- 4 According to dwgs .and specs. Rate USD..... | NO | 1 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
PAGE NO. : 3 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/1/6 | Supply, install distribution panel boards Type SDB-HOU.- G According to dwgs .and specs. Rate USD..... | NO | 1 | | |
| 16/1/7 | Supply, install distribution panel boards Type SDB-HOU.- 1 According to dwgs .and specs. Rate USD..... | NO | 1 | | |
| 16/1/8 | Supply, install distribution panel boards Type SDB-HOU.- 2 According to dwgs .and specs. Rate USD..... | NO | 1 | | |
| 16/1/9 | Supply, install distribution panel boards Type SDB-HOU.- 3 According to dwgs .and specs. Rate USD..... | NO | 1 | | |
| 16/1/10 | Supply, install distribution panel boards Type SDB-HOU.- 4 According to dwgs .and specs. Rate USD..... | NO | 1 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
PAGE NO. : 4 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/1/11 | Supply, install distribution panel boards Type EDB-HOU.- G According to dwg .and specs. Rate USD..... | NO | 1 | | |
| 16/1/12 | Supply, install distribution panel boards Type EDB- HOU.-1 According to dwg .and specs. Rate USD..... | NO | 1 | | |
| 16/1/13 | Supply, install distribution panel boards Type EDB- HOU.-2 according to dwgs .and specs. Rate USD..... | NO | 1 | | |
| 16/1/14 | Supply, install distribution panel boards Type EDB- HOU. - 3 According to dwg .and specs. Rate USD..... | NO | 1 | | |
| 16/1/15 | Supply, install distribution panel boards Type EDB- HOU. - 4 According to dwgs .and specs. Rate USD..... | NO | 1 | | |
| 16/1/16 | Supply, install main panel type MDB-2 According to dwgs .and specs. Rate USD..... | NO | 1 | | |
| 16/1/17 | Supply, install main panel type EMDB-2 According to dwgs .and specs. Rate USD..... | NO | 1 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
 PAGE NO. : 5 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|------|-------------|--------------|
| 16/2 | LOW VOLTAGE CABLE Supply, install and test Low voltage copper cables 0.6/1 KV XLPE/PVC includes all conduits, boxes, cable trays, cable tray branches, accessories, fittings and/or in ground trenches, Manholes, all fixations to any structure and all civil works required to accomplish the work as per specs. and dwgs. | | | | |
| 16/2/1 | (3x150+70)+70mm2 Rate USD..... | L.m | 170 | | |
| 16/2/2 | (3x35+16)+16mm2 Rate USD..... | L.m | 100 | | |
| 16/2/3 | (3x16+10)+10mm2 Rate USD..... | L.m | 54 | | |
| 16/2/4 | (3x10+6)+6mm2 Rate USD..... | L.m | 117 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
PAGE NO. : 6 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/3 | Disconnect Switches Controlling the Machines Disconnect switch fusible type as shown in elect drawings with enclosure all supporting required with weather proof type protection (suitable I.P)), includes all conduits, cable trays, cable tray branches, accessories. | | | | |
| 16/3/1 | Supply, install and test 3 phase disconnecting switch 125 Amp.380V. Rate USD..... | NO | 3 | | |
| 16/3/2 | Supply, install and test 3 phase disconnecting switch 20 Amp.380V. Rate USD..... | NO | 1 | | |
| 16/3/3 | Supply, install and test 1 phase disconnecting switch 16 Amp.220V. Rate USD..... | NO | 1 | | |
| 16/3/4 | Supply, install and test 1 phase disconnecting switch 5 Amp.220V. Rate USD..... | NO | 50 | | |
| 16/3/5 | Supply, install and test 1 phase disconnecting switch 32Amp.220V. Rate USD..... | NO | 1 | | |
| 16/3/6 | Supply, install and test power disconnecting switch ,reseed in the wall,1ph ,32A,220V,50HZ,with thermal over load protection and indicating lamp, used for water heater appliance type (H) Rate USD..... | NO | 11 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
PAGE NO. : 7 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/3/7 | Supply, install and test power disconnecting switch ,reseeded in the wall, 1ph,2pole,32A,220V,50HZ,with thermal over load protection and indicating lamp, used for hand driers appliance type (HD) Rate USD..... | NO | 10 | | |
| 16/3/8 | Supply, install and test power disconnecting switch ,reseeded in the wall, 1ph,2pole,32A,220V,60HZ,with thermal over load protection and indicating lamp, used for cooking appliance type (CO) Rate USD..... | NO | 11 | | |
| 16/3/9 | Supply, install and test power disconnecting switch ,reseeded in the wall, 1ph,2pole,32A,220V,60HZ,with thermal over load protection and indicating lamp, used for refrigerator appliance type (FR) Rate USD..... | NO | 10 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
PAGE NO. : 8 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|------|-------------|--------------|
| 16/4 | Lighting Outlet Points Supply, install and test Lighting outlet points Containing control switches Wires, cable trays, pipes and all accessories according to dwgs. and spec. Rate USD..... | NO | 813 | | |
| 16/4/1 | Luminaire Unit Of Type B6 According to dwgs. And Specs. Rate USD..... | NO | 240 | | |
| 16/4/2 | Luminaire Unit Of Type B5 According to dwgs. And Specs. Rate USD..... | NO | 128 | | |
| 16/4/3 | Luminaire Unit Of Type A4 According to dwgs. And Specs. Rate USD..... | NO | 30 | | |
| 16/4/4 | Luminaire Unit Of Type B3 According to dwgs. And Specs. Rate USD..... | NO | 68 | | |
| 16/4/7 | Luminaire Unit Of Type W1 According to dwgs. And Specs. Rate USD..... | NO | 8 | | |
| 16/4/8 | Luminaire Unit Of Type B14 According to dwgs. And Specs. Rate USD..... | NO | 5 | | |
| 16/4/9 | Luminaire Unit Of Type B4 According to dwgs. And Specs. Rate USD..... | NO | 75 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
PAGE NO. : 9 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|------|-------------|--------------|
| 16/4/10 | Luminaire Unit Of Type B13 According to dwgs. And Specs. Rate USD..... | NO | 203 | | |
| 16/4/11 | Luminaire Unit Of Type SS According to dwgs. And Specs. Rate USD..... | NO | 23 | | |
| 16/4/12 | Luminaire Unit Of Type DS According to dwgs. And Specs. Rate USD..... | NO | 6 | | |
| 16/4/13 | Fan outlet Rate USD..... | NO | 196 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
PAGE NO. : 10 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|------|-------------|--------------|
| 16/5 | Convenience Socket and Outlet Supply, install and test convenience socket wall mounted include ampere and voltage indication labels and outlet wiring complete with junction boxes, cable trays, pipes, wires and all accessories | NO | 820 | | |
| 16/5/1 | 15A, 220V (P1+N+E) wall mounted socket Rate USD..... | NO | 519 | | |
| 16/5/2 | 15A, 220V (P1+N+E) floor mounted socket Rate USD..... | NO | 149 | | |
| 16/5/3 | 15A, 220V (P1+N+E) wall mounted socket with indicating lamp and switch to work with emergency Rate USD..... | NO | 110 | | |
| 16/5/4 | 15A, 220V (P1+N+E) floor Mounted Emergency socket Rate USD..... | NO | 12 | | |
| 16/5/5 | 15A, 220V (P1+N+E) wall Mounted socket with ground fault circuit interrupter (GFCI). Rate USD..... | NO | 28 | | |
| 16/5/6 | 15A, 220V (P1+N+E) wall Mounted socket with ground fault circuit interrupter (GFCI) but indicating lamp and switch to work with emergency Rate USD..... | NO | 2 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
PAGE NO. : 11 OF 16

WORK : ELECTRICAL

Building : Accommodation

| TEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|--|------|------|-------------|--------------|
| 16/6 | Fire Detection and Alarm System | | | | |
| 16/6/1 | Supply, install and test Detector outlet points for fire alarm system containing wires, cable trays, pipes and all accessories according to dwgs. and spec. Rate USD..... | NO | 360 | | |
| 16/6/2 | Supply, install and test addressable control panel 4 loops with self charger battery, nickel cadmium batteries with all accessories and automatic dialer according to drawing and specification Rate USD..... | NO | 1 | | |
| 16/6/3 | Supply, install and test ionization smoke addressable detectors (S) Rate USD..... | NO | 289 | | |
| 16/6/5 | Supply, install and test ionization heat addressable detectors (H) Rate USD..... | NO | 15 | | |
| 16/6/6 | Supply, install and test manual addressable fire alarm station break glass Rate USD..... | NO | 28 | | |
| 16/6/7 | Supply, install and test addressable electronic sounder Rate USD..... | NO | 28 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
PAGE NO. : 12 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|-----|-------------|--------------|
| 16/7 | Telephone System | | | | |
| 16/7/1 | Supply, install and test Patching panels (Patching panels 48 pair) QTY 3 (Patching panels 24 pair) QTY 1 (Patching panels 48 pair) QTY 1 with RJ-45 Terminals of different number of outlets according to dwgs. Rate USD..... | NO | 1 | | |
| 16/7/2 | Supply, install and test telephone outlet point complete with wire of CAT5E inside (UPVC) pipes with suitable diameter including the outlet RJ-45 (wall mounted), Boxes and outlet Rate USD..... | NO | 95 | | |
| 16/7/3 | Supply, install and test telephone outlet point complete with wire of CAT5E inside (UPVC) pipes with suitable diameter including the outlet RJ-45 (floor mounted), Boxes and outlet Rate USD..... | NO | 6 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
 PAGE NO. : 13 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|------------------|--|------|-----|-------------|--------------|
| 16/7/4 | Supply, install and test telephone cable 200 pairs according to dwgs and specs. The price includes UPVC Pipes, ducts, accessories and all civil work needed to accomplish the work. Rate USD..... | L.m | 200 | | |
| 16/7/5 | Supply, install and test MDF 250 pair extendable According to specs according to dwgs. Rate USD..... | NO | 1 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO. : 16
 PAGE NO. : 14 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|------|-----|-------------|--------------|
| 16/8 | Computer Network | | | | |
| 16/8/1 | Supply, install and test a computer network includes CAT-6 cables, a number of wall mounted R-J45 outlets , Access switches, Routers, DSL Modems Access Switch 4 Ports 100/1000 Base QTY 1 Access Switch 100/1000 Base 48 Node QTY 1 Access Switch 100/1000 Base 80 Node QTY 1 RJ45 Outlet Wall Mounted QTY 17 RJ45 Outlet ground Mounted QTY 66 Including conduits, accessories and all necessary equipments and civil works required to accomplish the work according to drawings, specifications and recommendation on manufacturers. Rate USD..... | NO | 1 | | |
| 16/8/2 | Supply, install and test a computer server for the internet service including all necessary peripherals and accessories e.g. network card, graphic card, monitor, hard desk CD-r/w drive, DVD drive etc... according to the latest specifications in the market at the supply time. The owner and the consultant should approve the specification at the time of supply. Rate USD..... | NO | 1 | | |
| Sub-Total | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 16
PAGE NO. : 15 OF 16

WORK : ELECTRICAL

Building : Accommodation

| ITEM NO. | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|------|-----|-------------|--------------|
| 16/9 16/9/1 | <p>Television System</p> <p>Supply, install and test a tv / antenna system , include amplifiers, splitters, tap-off, cables, ducts, conduits, connection to other buildings and any other accessories , items and civil work needed to accomplish the work according to the manufacture instructions, drawings and specs. The item also include: TV antenna VHF/UHF Aerial with auxiliary devices for optimizing Receiving direction 2 VHF aerial 2 UHF aerial Aerial support for two UHF aerials Standpipe roof bushing and standpipe clamps.</p> | NO | 1 | | |
| 16/9/2 | <p>Supply, install and test TV socket outlet include outlet wiring complete with junction boxes, cable trays, pipes, wires and all accessories Rate USD.....</p> | NO | 93 | | |
| Sub-Total | | | | | |

Project : Arabic and Islamic Science Institute
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BILL NO. : 16
PAGE NO. : 16 OF 16

WORK : ELECTRICAL

Building : Accommodation

| Sub-Total | USD |
|----------------------|------------|
| TOTAL PAGE NO (2) | |
| TOTAL PAGE NO (3) | |
| TOTAL PAGE NO (4) | |
| TOTAL PAGE NO (5) | |
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| TOTAL PAGE NO (12) | |
| TOTAL PAGE NO (13) | |
| TOTAL PAGE NO (14) | |
| TOTAL PAGE NO (15) | |
| TOTAL PAGE NO (16) | |
| TOTAL | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Accommodation Building

1 / 1

| Sub-Total.. | USD |
|-------------------------|------------|
| CIVIL & ARCH | |
| PLUMBING | |
| FIRE FIGHTING | |
| HVAC | |
| ELECTRICAL | |
| Total | |

Sub – total to be copied to the resume Project



**KINGDOM OF SAUDI AREBIA
MINISTRY OF FINANCE**

**PROJECT
PREPARING OF DESIGN & FINAL DRAWING FOR
ARABIC AND ISLAMIC SCINCE INSTITUTE
JAKARTA - INDONESIA**

FINAL DESIGN

**INSTITUTE BUILDING
BILLS OF QUANTITIES**

JAMADI AWWAL 1438

FEBRUARY 2017

مخططون ومعماريون ومهندسون
الخصيني والشعبي ((تضامنية))
PLANNERS , ARCHITECTS & ENGINEERS

البيعة
Beeah 

CIVIL & ARCHITECTURAL
WORKS

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: INSTITUTE BUILDING

1 /31

Bill No. (00) Preliminary works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|------|------|-------------|--------------|
| 00/01 | <p>Provide, supply and install the following preliminaries items complete in accordance with specifications.</p> <p>Prepare and provide appropriate shop drawings of all elements, goods, systems and materials comprising or to be incorporated in to the works and in accordance with schedule for submittal and according to contract documents. Rate USD.....</p> | NO | 1 | | |
| 00/02 | <p>Submit (as built drawings) according to specs. Rate USD.....</p> | NO | 1 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: INSTITUTE BUILDING

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Bill No. 02 Excavation, filling & Demolition works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|----------------|-------|-------------|--------------|
| | As per specification, drawing and Engineer instructions Excavation in any kind of soil upto levels indicated in the drawing | | | | |
| 02/01 | Excavation for raft foundation including backfilling Rate USD..... | m ³ | 16400 | | |
| 02/02 | Internal backfilling up to design level Rate USD..... | m ³ | 5380 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: INSTITUTE BUILDING

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Bill No. 03 Concrete Works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|----------------|------|-------------|--------------|
| | As per specification, drawing and Engineer instructions | | | | |
| | PLAIN CONCRETE (P.C) | | | | |
| 03/01 | 100 mm thick P.C 21 mpa under, foundations including vapor retarder and anti-thermite Rate USD..... | m ³ | 545 | | |
| 03/02 | 50 mm thick P.C 21 mpa , under foundations and slab on grade Rate USD..... | m ² | 9510 | | |
| 03/03 | 30-160mm thick P.C 21 mpa . laid to slope Rate USD..... | m ² | 4390 | | |
| | REINFORCED CONCRETE | | | | |
| 03/04 | 100 mm thick grade slab 32 mpa with 5 Y 10 mm/m in two directions including polyethylene sheet with thick 500 micron. Rate USD..... | m ² | 5000 | | |
| 03/05 | R.C 32 mpa for raft foundation including Two layers water proofing membrane reinforced with polyester fiber every layer 3mm thick. Rate USD..... | m ³ | 250 | | |
| 03/06 | R.C 32 mpa for columns necks Rate USD..... | m ³ | 70 | | |
| 03/07 | R.C 32 mpa for grade beams Rate USD..... | m ³ | 240 | | |
| 03/08 | R.C 32 mpa for columns Rate USD..... | m ³ | 760 | | |
| TOTAL | | | | | |

Bill No. 03 Concrete Works.

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: INSTITUTE BUILDING

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|----------------|------|-------------|--------------|
| 03/09 | R.C 32 mpa for solid slabs, beams and lintels Rate USD..... | m ³ | 4300 | | |
| 03/10 | R.C 32 mpa for frames Rate USD..... | m ³ | 230 | | |
| 03/11 | R.C. 32 mpa for Stairs Rate USD..... | m ³ | 210 | | |
| 03/12 | R.C. 32 mpa for Walls Rate USD..... | m ³ | 1700 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: INSTITUTE BUILDING

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Bill No. 04 Masonry Work.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|----------------|-------|-------------|--------------|
| | Supply and Mason following pre-cast block with cement mortar including joints, ties and accessories etc. as per drawings and specification | | | | |
| 04/01 | 100 mm solid concrete block Rate USD..... | m ² | 1145 | | |
| 04/02 | 100 mm Hollow concrete block Rate USD..... | m ² | 390 | | |
| 04/03 | 200 mm Hollow concrete block Rate USD..... | m ² | 19500 | | |
| TOTAL | | | | | |

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Works: INSTITUTE BUILDING

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Bill No. 05 Metal Work.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|----------------|------|-------------|--------------|
| | Supply & Install the following Metal works as per drawings and specification | | | | |
| 05/01 | Structural steel space frame Rate USD..... | m ² | 975 | | |
| 05/02 | 10mm thick tent membrane from transparent lexan board on steel structure Rate USD..... | m ² | 975 | | |
| 05/03 | Collesstra partition of black lacquered iron mounted on polished brass frames Rate USD..... | m ² | 265 | | |
| 05/04 | 50 and 120mm dim. Stainless steel handrail with 10mm thick tempered glass Rate USD..... | L.m | 90 | | |
| 05/05 | 50mm dim polished brass handrail with 40mm dim black lacquered iron Rate USD..... | L.m | 390 | | |
| 05/06 | 400 mm height painted steel section handrail for stairs and court. Rate USD..... | L.m | 110 | | |
| 05/07 | Galvanized steel ladder for stairs roof Rate USD..... | NO | 6 | | |
| TOTAL | | | | | |

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Works: INSTITUTE BUILDING

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Bill No. 06 Wooden works

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|----------------|------|-------------|--------------|
| | Supply and install wood works as per specification and drawing | | | | |
| 06/01 | Mahogany wood for lectures room stage according to section details including steps and varnishing works Rate USD..... | m ² | 30 | | |
| 06/02 | Wood ladder including wood section handrail for library storage stair Rate USD..... | NO | 1 | | |
| TOTAL | | | | | |

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Works: INSTITUTE BUILDING

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Bill No. 07 Insulation & Water Proofing

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|----------------|------|-------------|--------------|
| | Supply and install the following items complete as per drawings and specification | | | | |
| 07/01 | Two layers water proofing membrane reinforced with pollster fiber every layer 3mm thick., for roof including aluminium skirting and layers protection. Rate USD..... | m ² | 4390 | | |
| 07/02 | Two layers water proofing membrane reinforced with pollster fiber every layer 3mm thick., under slab on grade, toilets, tea room, ablution, preparation and pantry including layer's protection Rate USD..... | m ² | 5645 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
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Works: INSTITUTE BUILDING

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Bill No. 08 Doors & Windows

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|------|------|-------------|--------------|
| | Doors, window, partitions and glass curtain walls as per drawings and spec. including glass, frames, leafs, hardware, painting fixing, insect screen and all accessories as per drwg, and specification | | | | |
| | WOOD FLUSH DOORS | | | | |
| 08/01 | Door type (D6) size 900x2200mm Rate USD..... | NO | 60 | | |
| 08/02 | Door type (D7) size 1100x2200mm Rate USD..... | NO | 29 | | |
| 08/03 | Door type (D8) size 1000x2200mm Rate USD..... | NO | 82 | | |
| | VENEER FIBER LAMINATED DOORS | | | | |
| 08/04 | Door type (D9) size 750x2000mm Rate USD..... | NO | 68 | | |
| 08/05 | Door type (D13) size 1000x2000mm Rate USD..... | NO | 17 | | |
| | GALVANIZED STEEL DOORS | | | | |
| 08/06 | Door type (D12) size 1000x2200mm Rate USD..... | NO | 46 | | |
| 08/07 | Door type (D12\) size 1800x2200mm Rate USD..... | NO | 1 | | |
| TOTAL | | | | | |

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Works: INSTITUTE BUILDING

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Bill No. 08 Doors & Windows

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|------|------|-------------|--------------|
| 08/08 | Door type (D14) size 600x1800mm Rate USD..... GLASS AND ALUMINIUM DOORS | NO | 27 | | |
| 08/09 | Door type (D1) size 1600x2200mm Rate USD..... | NO | 3 | | |
| 08/10 | Door type (D2) size 1100x2200mm Rate USD..... | NO | 6 | | |
| 08/11 | Door type (D3) size 1800x2200mm Rate USD..... | NO | 13 | | |
| 08/12 | Door type (D2/) size 900x2200mm Rate USD..... WOOD PANELLED DOORS | NO | 4 | | |
| 08/13 | Door type (D4) size 1600x2200mm Rate USD..... | NO | 16 | | |
| 08/14 | Door type (D5) size 1000x2200mm Rate USD..... | NO | 5 | | |
| 08/15 | Door type (D11) size 2000x2200mm Rate USD..... | NO | 4 | | |
| 08/16 | Door type (D3\) size 2000x2200mm Rate USD..... | NO | 2 | | |
| 08/1v | Galvanized steel deck service 700*700*2mm as paired in minaret section details Rate USD..... | NO | 1 | | |
| 08/1^ | Window type (W1) size 2885x2500mm Rate USD..... | NO | 10 | | |
| 08/1q | Window type (W2) size 700x2000mm Rate USD..... | NO | 1 | | |
| TOTAL | | | | | |

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Works: INSTITUTE BUILDING

11 /31

Bill No. 08 Doors & Windows

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|------|------|-------------|--------------|
| 08/٢٠ | Window type (W3) size 4800x2500mm Rate USD..... | NO | 70 | | |
| 08/٢١ | Window type (W4) size 1600x2500mm Rate USD..... | NO | 7 | | |
| 08/٢٢ | Window type (W5) size 1000x2500mm Rate USD..... | NO | 61 | | |
| 08/٢٣ | Window type (W5\) size 1000x1650mm Rate USD..... | NO | 6 | | |
| 08/2٤ | Window type (W6) size 1400x2500mm Rate USD..... | NO | 8 | | |
| 08/٢٥ | Window type (W7) size 1875x2500mm Rate USD..... | NO | 12 | | |
| 08/٢٦ | Window type (W8) size 520x520mm Rate USD..... | NO | 210 | | |
| 08/٢٧ | Window type (W9) size 1700x2500mm Rate USD..... | NO | 2 | | |
| 08/٢٨ | Window type (W10) size 700x2500mm Rate USD..... | NO | 53 | | |
| 08/٢٩ | Window type (W11) size 1200x2500mm Rate USD..... | NO | 6 | | |
| 08/٣٠ | Window type (W12) size 2000x2500mm Rate USD..... | NO | 2 | | |
| TOTAL | | | | | |

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Bill No. 08 Doors & Windows

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|----------------|------|-------------|--------------|
| | ALUMINUM GLASS PARTITONS | | | | |
| 08/31 | Partition type (P1) size 6900x2705mm Rate USD..... | NO | 1 | | |
| 08/32 | Partition type (P2) size 6900x2705mm Rate USD..... | NO | 1 | | |
| 08/33 | Partition type (P3) size 6900x3395mm Rate USD..... | NO | 1 | | |
| 08/34 | Partition type (P4) size 3700x3395mm Rate USD..... | NO | 1 | | |
| | ALUMINUM AND DAUBLE TEMPERED GLASS CURTAIN WALLS | | | | |
| 8/35/1 | Curtain wall type (C1) size 34230x13315mm Rate USD..... | NO | 1 | | |
| 08/35/2 | Curtain wall type (C2) size 6570x9825mm Rate USD..... | NO | 1 | | |
| 08/35/3 | Curtain wall type (C3) size 6100x17810mm Rate USD..... | NO | 1 | | |
| 08/35/4 | Curtain wall type (C4) size 6100x3485 Rate USD..... | NO | 1 | | |
| | SKY LIGHTS | | | | |
| 08/36 | sky lights made of aluminum sections and laminated glass the internal from tempered glass 6 mm thick, the external from the reflecting glass 5mm thick fixed in frame of steel sections, item includes cladding of beam sides with stainless steel sheets 2 mm thick, in addition to storm drainage duct as a cavity formed with stainless steel sheets 2 mm thick, as per detailed drawings Rate USD..... | m ² | 50 | | |
| TOTAL | | | | | |

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|------|------|-------------|--------------|
| | EXPANSION JOINTS All expansion joints shall be filled with a backing-rod to prevent leakage at an appropriate depth, then the joint shall be filled with various types of radiation-resistant compound silicone sealant, and the joint shall be covered with a suitable cover for each type according to its location. | | | | |
| 8/37 | Installing a cover for roof expansion joints consisting of a cover of corrugated galvanized sheet fixed on two bases on both sides of the joint made of aluminum strips - taking into account allowing freedom of movement in both directions. Rate USD..... | L.m | 150 | | |
| 8/38 | Installing an expansion joint cover in the interior floors with inflated, fire-resistant aluminum and rubber seals that allow free movement in both directions. Rate USD..... | L.m | 700 | | |
| 8/39 | Installing an expansion joint cover in the interior walls with inflated, fire-resistant aluminum and rubber seals that allow free movement in both directions. Rate USD..... | L.m | 340 | | |
| 8/40 | Installing wall expansion joints at the meeting of floors and walls with inflated, fire-resistant aluminum and rubber seals that allow free movement in both directions. Rate USD..... | L.m | 700 | | |
| 8/41 | Installing an aluminum or stainless steel expansion joint cover on the external walls with its fixing unit (CLIP), which keeps the cover in its position in the event of any movement in both directions. Rate USD..... | L.m | 340 | | |
| TOTAL | | | | | |

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Works: INSTITUTE BUILDING

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|----------------|------|-------------|--------------|
| | All works according to drawings and specification | | | | |
| | FLOOR FINISHES | | | | |
| 09/01 | 400*400*20 mm marble tiles for out door entrance, main lobbies, main entrance and reception including skirting Rate USD..... | m ² | 2450 | | |
| 09/02 | 400x400x9mm unglazed ceramic tiles for lobbies and corridors tiles including skirting 400x100x9mm Rate USD..... | m ² | 2910 | | |
| 09/03 | 300x300x9mm unglazed ceramic tiles for multi perpose hall, class room, studio, teachers room, language lab, education multimedia lab, cafeteria, secretary deputy manager, post graduations, archive, students clinic, computer, internet including skirting 300x100x6mm Rate USD..... | m ² | 5380 | | |
| 09/04 | 200x200x9mm ceramic tiles for toilets, tea room, ablution, preparation and pantry Rate USD..... | m ² | 725 | | |
| 09/05 | 8 mm thick carpet (100% nylon) for hall 125 students, mosque hall students, Emma's room, meeting and library include 100x20mm hard oak wood skirting Rate USD..... | m ² | 1960 | | |
| 09/06 | 600x600x8mm carpet tiles (100% nylon) for head manager and conference room include 100x20mm hard oak wood skirting Rate USD..... | m ² | 710 | | |
| TOTAL | | | | | |

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Works: INSTITUTE BUILDING

15 /31

Bill No. 09 Finishes

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------------------------|--|----------------|-------|-------------|--------------|
| 09/07 | Parquet boards , price including steel frame stage and 100x20mm hard oak wood skirting Rate USD..... | m ² | 125 | | |
| 09/08 | 300x300x3mm thick vinyl tiles for telephone room including skirting 300x100x3mm vinyl skirting Rate USD..... | m ² | 18 | | |
| 09/09 | 60 mm thick interlocking paving tiles for court Rate USD..... | m ² | 890 | | |
| 09/10 | 300x300x30mm terrazzo tiles for storage in including 300x100x30mm terrazzo skirting Rate USD..... | m ² | 200 | | |
| 09/11 | 200x200x20mm cement tiles for service, backstage and minaret including 200x100x20mm cement tiles skirting Rate USD..... | m ² | 235 | | |
| 09/12 | 200x200x20mm Cement tiles for roof and under items (09/5 , 09/6 , 09/8) Rate USD..... | m ² | 7078 | | |
| 09/13 | Epoxy paint on concrete troweled smooth including 200x100x20mm cement tiles skirting Rate USD..... | m ² | 205 | | |
| INTERNAL WALL FINISHING | | | | | |
| 09/14 | Acrylic paint on plaster Rate USD..... | m ² | 26075 | | |
| 09/15 | Texture paint on plaster for stairs Rate USD..... | m ² | 3670 | | |
| TOTAL | | | | | |

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Works: INSTITUTE BUILDING

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------------------------|---|----------------|-------------|--------------------|---------------------|
| 09/16 | Internal cement plaster for Item (09/14 , 09/15) Rate USD..... | m ² | 29745 | | |
| 09/17 | Acrylic paint on fair face concrete Rate USD..... | m ² | 150 | | |
| 09/18 | Acoustical panels textile faced for conference room Rate USD..... | m ² | 320 | | |
| 09/19 | 200x200x6mm thick ceramic tiles for toilets, tearoom, ablution, preparation and pantry Rate USD..... | m ² | 2340 | | |
| 09/20 | Internal cement plaster for item (09/19) Rate USD..... | m ² | 2340 | | |
| EXTERNAL WALL FINISHING | | | | | |
| 09/21 | Texture paint on plaster Rate USD..... | m ² | 8730 | | |
| 09/22 | External cement plaster for item (09/21) Rate USD..... | m ² | 8730 | | |
| 9/22/1 | weather-proof Acrylic paint on plaster Rate USD..... | m ² | 800 | | |
| CEILING FINISHING | | | | | |
| 09/23 | Acrylic paint on plaster Rate USD..... | m ² | 12340 | | |
| 09/24 | Internal cement plaster for items (09/23) Rate USD..... | m ² | 12340 | | |
| 09/25 | Internal smooth cement plaster on painted Rate USD..... | m ² | 135 | | |
| 09/26 | Acrylic paint on fair face concrete for elevator, minaret, service and backstage Rate USD..... | m ² | 415 | | |
| 09/27 | 12mm thick Gypsum board on galv. Steel framing Rate USD..... | m ² | 2160 | | |
| TOTAL | | | | | |

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Works: INSTITUTE BUILDING

17 /31

Bill No. 09 Finishes

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|--|----------------|------|-------------|--------------|
| 09/28 | Metal suspending ceiling strips 1.5mm thick 100mm width Rate USD..... | m ² | 12 | | |
| | STAIR FINISHING | | | | |
| 09/29 | Granite steps with 40mm treads and 20mm risers for stairs including skirting and landing Rate USD..... | L.m | 1035 | | |
| | MISCELANEOUS | | | | |
| 09/30/1 | 30 mm thick granite counter top for lavatories including 20mm thick top and 30mm thick bottom risers Rate USD..... | L.m | 55 | | |
| 09/30/2 1 | Supply and construct a fountain in the main court including internal cladding with 25x25x6mm colored mosaic ceramic tiles and from the outside with pre-cast concrete with exposed aggregate finishing. The item includes the plain concrete works, insulation works, and 50mm plastering coat with moisture resistant substances; as well as the electrical and sanitary fittings and all accessories as per drawings and consultant engineer's instructions .. Rate USD..... | NO | 1 | | |
| TOTAL | | | | | |

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Works: INSTITUTE BUILDING

18 / 31

Bill No. 09 Finishes

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|----------------|------|-------------|--------------|
| 09/31 | Supply and construct green beds in the corners of the court around the fountain from masonry, including external cladding with granite and internal insulation with 5mm thick modified bitumen membrane reinforced with polyester fibers, in addition to concrete underlay at the bottom of basin and 25mm thick cement plaster with moisture resistance substances added and it also include the appropriate arable soil as per drawings and consultant engineer's instructions. Rate USD..... | NO | 4 | | |
| 09/32 | Supply and construct green beds for multi purpose hall reception area from masonry, including external cladding with granite and internal insulation with 4mm thick modified bitumen membrane reinforced with polyester fibers, in addition to concrete underlay at the bottom of basin and 25mm thick cement plaster with moisture resistance substances added and it also include the appropriate arable soil for multi purpose hall reception area as per drawings and consultant engineer's instructions. The contractor must submit the drawings for approval before work is initiated. Rate USD..... | m ² | 25 | | |
| TOTAL | | | | | |

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 Jakarta, Indonesia

Works: INSTITUTE BUILDING

19 /31

Bill No. 10 Specialties

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-------------|---|----------------|------|-------------|--------------|
| | Supply and install the following items complete in accordance with drawings and specifications | | | | |
| | TOILETS: | | | | |
| 10/01 | Toilet Paper holder 150x150mm (TPH) Rate USD..... | NO | 84 | | |
| 10/02 | Dryer Machine Rate USD..... | NO | 40 | | |
| 10/03 | 6mm thick Normal type mirrors Rate USD..... | m ² | 55 | | |
| 10/04 | Liquid soap dispenser (LSD) Rate USD..... | NO | 63 | | |
| 10/05 | Grab bar type (1) Rate USD..... | NO | 25 | | |
| 10/06 | Grab bar type (2) Rate USD..... | NO | 12 | | |
| 10/07 | Stainless steel single robe hook Rate USD..... | NO | 24 | | |
| 10/08 | Galvanized steel ladder for minaret roof deck | NO | 1 | | |
| TOAL | | | | | |

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Works: INSTITUTE BUILDING

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Bill No. (11) Signage works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | SUB - TOTAL AMOUNT |
|-------------|--|------|------|-------------|--------------------|
| | All signboards must be done accurately and placed in the specified places in drawings and according to the consultant engineer's instructions | | | | |
| 11/01 | Supply and install 200 x 300 mm ceiling fixed signboard type (02) indicating (Entrances and Exits directions), with engraved writing, fixed with a 20mm diameter aluminum pipe and made of 3mm thick acrylic with aluminum frame, and fixed with stainless steel screws as per drawings and the instructions of the consultant engineer. Rate USD | NO | 40 | | |
| 11/02 | Supply and install 300 x 300 mm wall fixed signboard type (04) for the car parking with " No Parking" phrase engraved writing, made of 3mm thick acrylic with aluminum frame, and fixed with stainless steel screws as per drawings and consultant engineer's instructions Rate USD | NO | 3 | | |
| 11/03 | Supply and install 300 x 300 mm wall fixed signboard type (05) for the parking with "Stop for inspection" phrase engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 3 | | |
| 11/04 | Supply and install 200 x 200 mm wall fixed signboard type (07) for the mosque, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings consultant engineer's instructions. Rate USD | NO | 5 | | |
| Sub - Total | | | | | |

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Works: INSTITUTE BUILDING

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | SUB - TOTAL AMOUNT |
|--------------------|--|-------------|-------------|--------------------|---------------------------|
| 11/05 | Supply and install 200 x 200 mm wall fixed signboard type (08) for the first aid, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 1 | | |
| 11/06 | Supply and install 200 x 200 mm wall fixed signboard type (09) for the Restaurant, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 4 | | |
| 11/07 | Supply and install 200 x 200 mm wall fixed signboard type (10) for the Coffee shop, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 8 | | |
| 11/08 | Supply and install 200 x 200 mm wall fixed signboard type (11) for the Mail box , with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 1 | | |
| 11/09 | Supply and install 200 x 200 mm wall fixed signboard type (12) for the Telephone, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 1 | | |
| Sub - Total | | | | | |

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Works: INSTITUTE BUILDING

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | SUB - TOTAL AMOUNT |
|--------------------|--|-------------|-------------|--------------------|---------------------------|
| 11/10 | Supply and install 200 x 200 mm wall fixed signboard type (13) for the Information, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 1 | | |
| 11/11 | Supply and install 200 x 200 mm wall fixed signboard type (14) for men only areas, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 3 | | |
| 11/12 | Supply and install 200 x 200 mm wall fixed signboard type (15) for women only areas, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 1 | | |
| 11/13 | Supply and install 200 x 200 mm wall fixed signboard type (16) for handicapped areas, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 13 | | |
| 11/14 | Supply and install 200 x 200 mm wall fixed signboard type (17) for the handicapped men rooms, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 7 | | |
| Sub - Total | | | | | |

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Works: INSTITUTE BUILDING

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Bill No. (11) Signage works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | SUB - TOTAL AMOUNT |
|-------------|--|------|------|-------------|--------------------|
| 11/15 | Supply and install 200 x 200 mm wall fixed signboard type (18) for the handicapped women rooms, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 5 | | |
| 11/16 | Supply and install 200 x 200 mm wall fixed signboard type (19) for the waiting room made of 3mm thick acrylic with aluminum frame with engraved writing and shall be fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 3 | | |
| 11/17 | Supply and install 200 x 200 mm wall fixed signboard type (20) for authorized personnel only, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 21 | | |
| 11/18 | Supply and install 200 x 200 mm wall fixed signboard type (21) for elevator spaces, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 13 | | |
| 11/19 | Supply and install 200 x 200 mm wall fixed signboard type (22) for the staircases, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 28 | | |
| Sub - Total | | | | | |

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Works: INSTITUTE BUILDING

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Bill No. (11) Signage works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | SUB - TOTAL AMOUNT |
|-------------|--|------|------|-------------|--------------------|
| 11/20 | Supply and install 200 x 200 mm wall fixed signboard type (23) for the emergency stairs, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 17 | | |
| 11/21 | Supply and install 200 x 200 mm wall fixed signboard type (24) to indicate the Fire extinguisher locations, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 74 | | |
| 11/22 | Supply and install 200 x 200 mm wall fixed signboard type (25) for the Fire extinguishing box place, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 18 | | |
| 11/23 | Supply and install 200 x 200 mm wall fixed signboard type (26) for smoking areas, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 1 | | |
| 11/24 | Supply and install 200 x 200 mm wall fixed signboard type (27) for non-smoking areas, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 28 | | |
| Sub - Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: INSTITUTE BUILDING

25 /31

Bill No. (11) Signage works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | SUB - TOTAL AMOUNT |
|-------------|---|------|------|-------------|--------------------|
| 11/25 | Supply and install 200 x 200 mm wall fixed signboard type (28) for Elec. room, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 20 | | |
| 11/26 | Supply and install wall fixed vertical strips signboard type (29) divided each 100mm with Sub - Total size of 300 x 750mm for areas' designation made of 3mm thick acrylic with aluminum skeleton as per drawings and consultant engineer's instructions. Rate USD | NO | 30 | | |
| 11/27 | Supply and install wall fixed 100x250mm vertical strips signboard type (30) for areas and administrative departments' designation made of 3mm thick acrylic with aluminum skeleton as per drawings and consultant engineer's instructions. Rate USD | NO | 22 | | |
| 11/28 | Supply and install wall fixed 100x375mm vertical strips signboard type (30) for areas and administrative departments designation made of 3mm thick acrylic with aluminum skeleton as per drawings and consultant engineer's instructions. Rate USD | NO | 22 | | |
| 11/29 | Supply and install wall fixed 100x500mm vertical strips signboard type (30) for various administrative departments made of 3mm thick acrylic with aluminum skeleton as per drawings and consultant engineer's instructions. Rate USD | NO | 20 | | |
| Sub - Total | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: INSTITUTE BUILDING

26 / 31

Bill No. (11) Signage works.

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | SUB - TOTAL AMOUNT |
|-------------|---|------|------|-------------|--------------------|
| 11/30 | Supply and install wall fixed 100x750mm vertical strips signboard type (30) for various administrative departments made of 3mm thick acrylic with aluminum skeleton as per drawings and consultant engineer's instructions. Rate USD | NO | 18 | | |
| 11/31 | Supply and install 50x250 mm door fixed signboard type (31) for rooms designation made of 3mm thick acrylic with aluminum frame as per drawings and consultant engineer's instructions.. Rate USD | NO | 31 | | |
| 11/32 | Supply and install 150x150 mm door fixed signboard type (32) for rooms designation made of 3mm thick acrylic with aluminum frame as per drawings and consultant engineer's instructions. Rate USD | NO | 20 | | |
| 11/33 | Supply and install 200 x 250 mm wall fixed signboard type (33) for Library room, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 6 | | |
| 11/34 | Supply and install 200 x 200 mm wall fixed signboard type (34) for Reset room, with engraved writing, made of 3mm thick acrylic with aluminum frame and fixed with stainless steel screws as per drawings and consultant engineer's instructions. Rate USD | NO | 10 | | |
| Sub - Total | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: INSTITUTE BUILDING

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|---|------|------|-------------|--------------|
| 12/01 | <p>Provide, supply and install the following preliminaries items complete in accordance with specifications.</p> <p>Reception and service counters .comprising 18mm thick MDF board faces with solid wood veneer for some parts and with 12mm solid acrylic panels for other parts .as shown on drawings .including 13mm thick Corian counter top .steel structure .stainless steel pipes drawers .clear lacquer paint .wood treatment .lighting system .hardware .fittings and all works as per drawings and Engineer's instructions in accordance with specification</p> | L.m | 70 | | |
| 12/02 | <p>Followed as mentioned in the preliminary work of the collection and storage of pieces of furniture on the site, the contractor shall be distributed throughout the building as proposed in the plans and instructions for the owner and consultant, and request brushes building pieces of additional furniture or were not present leftward and ride according to the drawings or furniture superiority.</p> | | | | |
| 12/02/01 | <p>CH8 Rate USD.....</p> | NO | 200 | | |
| 12/02/02 | <p>D3 Rate USD.....</p> | NO | 27 | | |
| 12/02/03 | <p>S3 Rate USD.....</p> | NO | 44 | | |
| 12/02/04 | <p>TS3 Rate USD.....</p> | NO | 24 | | |
| 12/02/05 | <p>S1 Rate USD.....</p> | NO | 61 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: INSTITUTE BUILDING

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------------|-----------------------------|-------------|-------------|--------------------|---------------------|
| 12/02/06 | T3 Rate USD..... | NO | 12 | | |
| 12/02/07 | CH13 Rate USD..... | NO | 60 | | |
| 12/02/08 | BB Rate USD..... | NO | 46 | | |
| 12/02/09 | CU2 Rate USD..... | NO | 23 | | |
| 12/02/10 | CU3 Rate USD..... | NO | 154 | | |
| 12/02/11 | TS1 Rate USD..... | NO | 16 | | |
| 12/02/12 | T1 Rate USD..... | NO | 96 | | |
| 12/02/13 | B2 Rate USD..... | NO | 2 | | |
| 12/02/15 | T3 Rate USD..... | NO | 12 | | |
| 12/02/16 | TS2 Rate USD..... | NO | 40 | | |
| 12/02/17 | TM2 Rate USD..... | NO | 2 | | |
| 12/02/18 | TM3 Rate USD..... | NO | 1 | | |
| 12/02/19 | D1 Rate USD..... | NO | 1 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
 Jakarta, Indonesia

Works: INSTITUTE BUILDING

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|-----------------------------|------|------|-------------|--------------|
| 12/02/20 | D2 Rate USD..... | NO | 8 | | |
| 12/02/21 | D4 Rate USD..... | NO | 46 | | |
| 12/02/22 | D5 Rate USD..... | NO | 159 | | |
| 12/02/23 | D6 Rate USD..... | NO | 217 | | |
| 12/02/24 | D7 Rate USD..... | NO | 642 | | |
| 12/02/25 | CH1 Rate USD..... | NO | 6 | | |
| 12/02/26 | CH2 Rate USD..... | NO | 2 | | |
| 12/02/27 | CH3 Rate USD..... | NO | 1 | | |
| 12/02/28 | CH4 Rate USD..... | NO | 11 | | |
| 12/02/29 | CH5 Rate USD..... | NO | 10 | | |
| 12/02/30 | CH6 Rate USD..... | NO | 18 | | |
| 12/02/31 | CH7 Rate USD..... | NO | 40 | | |
| 12/02/32 | CH9 Rate USD..... | NO | 73 | | |
| 12/02/33 | CH10 Rate USD..... | NO | 695 | | |
| TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
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Works: INSTITUTE BUILDING

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| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------|-----------------------------|------|------|-------------|--------------|
| 12/02/34 | CH12 Rate USD..... | NO | 2 | | |
| 12/02/35 | CH11 Rate USD..... | NO | 1501 | | |
| 12/02/36 | CH14 Rate USD..... | NO | 700 | | |
| 12/02/37 | CU4 Rate USD..... | NO | 2 | | |
| 12/02/38 | SD1 Rate USD..... | NO | 7 | | |
| 12/02/39 | K Rate USD..... | NO | 2 | | |
| 12/02/40 | SH1 Rate USD..... | L.m | 9 | | |
| 12/02/41 | SH2 Rate USD..... | L.m | 8 | | |
| 12/02/42 | CO Rate USD..... | NO | 6 | | |
| TOTAL | | | | | |

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Works: INSTITUTE BUILDING

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| Sub-Total.. | USD |
|------------------------|------------|
| Sub-total from page 01 | |
| Sub-total from page 02 | |
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| Total.. | |

Sub – Total to be copied to the resume

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Jakarta, Indonesia**

BILL NO. : 15

WORK: INSTITUTE BUILDING ELEVATORS

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ELEVATOR

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 15

WORK: INSTITUTE BUILDING ELEVATORS

PAGE NO. : 2/ 6

| Item No. | Description | Unit | Qty | Price Unit | Total |
|-------------------|---|------|-----|------------|-------|
| 15/1 | <p>SUPPLY , INSTALL AND COMMISSNING ELEVATOR COMPLETE WITH THE FOLLOWING :-</p> <p>Passenger Elevator (Machine Room-Less) :-</p> <ul style="list-style-type: none"> * Capacity : 1050 kg. * Velocity : 1 m/sec. * Suspension : 1/1 * No of starting : 180 starting /h * Internal car dim. : 1600 x 1400 x 2200 mm * Car Opening : 1100 x 2100 * Machine type : VVVF * Control : Microprocessor * Operating : Simplex Selective Collective * No of stops : 4 * Floor : Ground , First , Second , Thrid . * Travel : 14.5 meter approx. . * Car Design 1- Flooring from Durable vinyl tiles (6 mm) . 2- Walls from painted stainless steel . 3- Handrail from stainless steel . 4- Car has a decorative mirror . 5- Doors from painted stainless steel . 6- Car has a decorative mirror . 7- Decorative suspended ceiling with a fan and indirect light . | NO | 1 | | |
| Sub-Total. | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

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WORK: INSTITUTE BUILDING ELEVATORS

PAGE NO. : 3/ 6

| Item No. | Description | Unit | Qty | Price Unit | Total |
|-------------------|---|------|-----|------------|-------|
| | <p>- Other Additional :-</p> <p>1- Hall Position Indicators in each floor .</p> <p>2- Device for Safe Landing .</p> <p>3- Car equipped with button to keep door opened (Extended door-open button) .</p> <p>4- Device for Fire Emergency Return .</p> <p>5- Device for Alarm in case of Full capacity .</p> <p>Contractor should supply samples to get approval before supplying .</p> <p>Ret USD.....</p> | | | | |
| 15/2 | <p>Passenger Elevator (Observation Type) :-</p> <p>* Capacity : 900 kg.</p> <p>* Velocity : 1 m/sec.</p> <p>* Suspension : 1/1</p> <p>* No of starting : 180 starting /h</p> <p>* Internal car dim. : Standard dimension .</p> <p>* Car Opening : 900 x 2100</p> <p>* Machine type : VVVF</p> <p>* Control : Microprocessor</p> <p>* Operating : Simplex Selective Collective</p> <p>* No of stops : 4</p> <p>* Floor : Ground , First , Second , Thrid .</p> <p>* Travel : 14.5 meter approx. .</p> | NO | 2 | | |
| Sub-Total. | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 15

WORK: INSTITUTE BUILDING ELEVATORS

PAGE NO. : 4/ 6

| Item No. | Description | Unit | Qty | Price Unit | Total |
|----------|---|------|-----|------------|-------|
| | <p>* Car Design</p> <p>EXTERIOR</p> <p>1- Upper and lower shells : Painted steel sheet</p> <p>2- Window : Transparent flat glass .</p> <p>3- Decorative lighting : Down lights .</p> <p>INTERIOR</p> <p>1- Ceiling : Painted steel sheet .</p> <p>2- Lighting : Down lights .</p> <p>3- Front wall and doors : Painted steel sheet .</p> <p>4- Handrail : Single line of hairline-finished stainless steel pipe .</p> <p>5- Kick-plate : Hairline-finished stainless steel sheet .</p> <p>6- Flooring : Vinyl tiles .</p> <p>7- Decorative suspended ceiling with a fan and indirect light .</p> <p>- Other Additional :-</p> <p>1- Hall Position Indicators in each floor .</p> <p>2- Device for Safe Landing .</p> <p>3- Car equipped with button to keep door opened (Extended door-open button) .</p> <p>4- Device for Fire Emergency Return .</p> <p>5- Device for Alarm in case of Full capacity .</p> <p>Contractor should supply samples to get approval before supplying .</p> <p>Ret USD.....</p> | | | | |
| | Sub-Total. | | | | |

**Project : Arabic and Islamic Science Institute
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WORK: INSTITUTE BUILDING ELEVATORS

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| Item No. | Description | Unit | Qty | Price Unit | Total |
|-------------------|---|------|-----|------------|-------|
| 15/3 | <p>SUPPLY , INSTALL AND COMMISSNING WHEELCHAIR LIFT COMPLETE WITH THE FOLLOWING :-</p> <p>A vertical platform lifting device consisting of a machine tower with lifring platform according to the following :-</p> <ul style="list-style-type: none"> * Rated Load : 350 kg. * Speed with rated load : 9-12 fpm . * Type : Ballscrew drive . * Drive system : A/C powered ballscrew . * Platform size : 36 inch x 60 inch . * Platform Configuration : Straight – Through . * Platform Controls : Constant pressure paddle with key lock and emergency stop and alarm . * Lifting height : 70 inch . * Auto opener for gates and doors : Recommended <p>* Common Feature :-</p> <ul style="list-style-type: none"> 1- Mechanical interlocks prevent lift operation until gates or doors are closed and locked . 2- Conveniently located platform controls for easy operation . 3- Security key locks prevent unwanted use . 4- Ivory powder coat is must . 3- Handrail from stainless steel . 4- Upper landing gate , carriage gate (with lock) , platform with safety plate , emergency alarms , call station . <p>Works include any additional features not mentioned needed to complete the work . Ret USD.....</p> | NO | 1 | | |
| Sub-Total. | | | | | |

**Project : Arabic and Islamic Science Institute
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WORK: INSTITUTE BUILDING ELEVATORS

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| Sub-Total.. | USD |
|-----------------------|------------|
| Sub-total from page 2 | |
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| Sub-total from page 4 | |
| Sub-total from page 5 | |
| Total.. | |

Sub – total from table (15) to be copied to the resume

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WORK : Plumbing

INSTITUTE BUILDING

Plumbing

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

BILL NO : 15
PAGE NO : 1/7

WORK : Plumbing

INSTITUTE BUILDING

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|------|-------------|--------------|
| 15/0 | <p>PLUMBING WORKS:</p> <p>NOTES:</p> <p>A. All sanitary fixtures shall be approved with the type, shape as approved by the client representative.</p> <p>B. All mixers, taps and valves shall be approved equal with the type, shape as approved by the client representative.</p> <p>C. The price unit of sanitary fixtures includes soil, waste branch up to the inspection chamber or gully trap or main riser and CPVC water supply pipes in the toilets with diam. shown in DWG and main valves for toilets.</p> <p>SANITARY FIXTURES TRIM AND ACCESSORIES:</p> <p>Provide and install sanitary fixtures, including required trim, fittings, traps, escutcheons, branch drain pipes from fixture to soil, and vent stacks or main drain hNoder.</p> | | | | |
| 15/1 | <p>Water Closets including support, valve, connecting piping & flushing tank, flexible spray hose WC Rate USD</p> | NO | 82 | | |
| 15/2 | <p>Lavatories, , including fixtures, valves, connecting, piping and P-traps . mounted in counter type (L1) Rate USD</p> <p>Pedestal lavatory type (L2) Rate USD</p> | NO | 83 | | |
| | | NO | 11 | | |
| Sub-total | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

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WORK : Plumbing

INSTITUTE BUILDING

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|----------------|---------------|-------------|--------------|
| 15/3 | Kitchen sink including fixtures, valves, connecting, piping and P-traps . & drain . | | | | |
| 15/3/1 | (KS-1) double bowl Rate USD | NO | 10 | | |
| 15/3/2 | Electercal water cooler Rate USD | NO | 5 | | |
| 15/3/3 | Shower 75x75mm including fixtures, connecting piping and trap and all accessories Rate USD | NO | 1 | | |
| 15/3/4 | Hot water hNOters complete with control valves and electrical power supply connection. 60 liter Rate USD 50 liter Rate USD 30 liter Rate USD | NO NO NO | 15 13 3 | | |
| 15/3/5 | Janitor sink including fixtures, connecting piping and traps and drain and all accessories. Rate USD | NO | 1 | | |
| | U.P.V.C pipes class (5) | | | | |
| 15/7 | Provide all materials and labor required to make underground & cold water riser piping systems operable and approved, complete with fitting, jointing, hanger, and supports, in accordance with plane and specification to | | | | |
| 15/7/1 | 25mm diameter pipe Rate USD | L.m | 40 | | |
| 15/7/2 | 32mm diameter pipe Rate USD | L.m | 35 | | |
| Sub-total | | | | | |

**Project : Arabic and Islamic Science Institute
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BILL NO : 15
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WORK : Plumbing

INSTITUTE BUILDING

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 15/7/3 | 40mm diameter pipe Rate USD | L.m | 35 | | |
| 15/7/4 | 50mm diameter pipe Rate USD | L.m | 30 | | |
| 15/7/5 | 63mm diameter pipe Rate USD | L.m | 40 | | |
| 15/7/6 | 80mm diameter pipe Rate USD | L.m | 15 | | |
| 15/8 | Gate valve, complete with fitting, as specified. | | | | |
| 15/8/1 | 75mm dia Rate USD | NO | 1 | | |
| 15/8/2 | 63mm dia Rate USD | NO | 3 | | |
| 15/8/4 | 50mm dia. Rate USD | NO | 1 | | |
| 15/8/5 | 40mm dia. Rate USD | NO | 4 | | |
| 15/8/6 | 25mm dia. Rate USD | NO | 3 | | |
| | Plumbing for Sanitary Sewer System | | | | |
| 15/9 | Inspection chamber R.C 600*600mm complete With cover, insulation, benching and excavation Rate USD | NO | 16 | | |
| 15/10 | Inspection chamber R.C 600*900mm complete With cover, insulation, benching and excavation Rate USD | NO | 7 | | |
| Sub-total | | | | | |

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WORK : Plumbing

INSTITUTE BUILDING

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 15/11 | Furnish and install Gully trap, of outletsize 110mm dia, 300*300mm, completed as specified Rate USD | NO | 11 | | |
| 15/12 | Furnish and install trapped floor drains, plastic type, with adjustable and removable strainer, chrome plated grate . | | | | |
| 15/12/1 | Floor drains : type (FD1) 50 mm dia. Rate USD | NO | 7 | | |
| 15/12/2 | type (FD2) 75 mm dia. Rate USD | NO | 34 | | |
| 15/12/3 | type (FD3) 100 mm dia. Rate USD | NO | 7 | | |
| 15/13 | Furnish and install UPVC pipes, (class 3) for drainage system , as specified . | | | | |
| 15/13/1 | 160mm dia Rate USD | L.m | 165 | | |
| 15/13/2 | 110mm dia Rate USD | L.m | 370 | | |
| 15/13/3 | 75mm dia Rate USD | L.m | 170 | | |
| Sub-total | | | | | |

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WORK : Plumbing

INSTITUTE BUILDING

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|------|-------------|--------------|
| 15/14 | Roof Drain System | | | | |
| 15/14/1 | Furnish and install rain gutter, of outlet size 125mm including fittings, supports and all accessories as specified . Rate USD | NO | 4 | | |
| 15/14/02 | Furnish and install Free Discharge (scupper) as specified On drawing Rate USD | NO | 4 | | |
| 15/14/3 | Furnish and install rain gutter, of outlet size 110mm including fittings, supports and all accessories as specified . Rate USD | NO | 3 | | |
| Sub-total | | | | | |

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WORK : Plumbing

INSTITUTE BUILDING

| Sub-Total.. | USD |
|-----------------------|-----|
| Sub-total from page 1 | |
| Sub-total from page 2 | |
| Sub-total from page 3 | |
| Sub-total from page 4 | |
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| Total | |

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WORK: Fire Fighting

INSTITUTE BUILDING

WORK: Fire Fighting

**Project : Arabic and Islamic Science Institute
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WORK: Fire Fighting

INSTITUTE BUILDING

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------------|--|------|------|-------------|--------------|
| 15/16 | Supply and install black seamless steel sch.(40)complete with all fittings and accessories for interior fire fighting works | | | | |
| 15/16/1 | Pipe Diameter 1” Rate USD..... | L.m | 4200 | | |
| 15/16/2 | Ditto but 1 1/4” Rate USD..... | L.m | 350 | | |
| 15/16/3 | Ditto but 1 1/2” Rate USD..... | L.m | 595 | | |
| 15/16/4 | Ditto but 2” Rate USD..... | L.m | 525 | | |
| 15/16/5 | Ditto but 2 1/2” Rate USD..... | L.m | 320 | | |
| 15/16/6 | Ditto but 3” Rate USD..... | L.m | 450 | | |
| 15/16/7 | Ditto but 4” Rate USD..... | L.m | 620 | | |
| 15/16/8 | Ditto but 6” Rate USD..... | L.m | 170 | | |
| 15/16/9 | Supply and install stainless steel fire hose cabinet which include fire hose length 30m , with nozzle 1 ½ “ diameter , and portable fire exiting . 6 kg (ABCDE) complete with all necessary fittings. Rate USD..... | NO | 30 | | |
| Sub-Total.. | | | | | |

**Project : Arabic and Islamic Science Institute
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WORK: Fire Fighting

INSTITUTE BUILDING

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------------|---|------|------|-------------|--------------|
| 15/16/10 | Supply and install portable multi-purpose fire extinguisher (ABCDE) dry chemical powder 6 kg. Rate USD..... | NO | 4 | | |
| | Supply and install portable Co2 fire extinguisher 6 kg. Rate USD..... | NO | 16 | | |
| | Supply and install Automatic multi-purpose fire extinguisher (ABCDE) dry chemical powder 6 kg. Rate USD..... | NO | 60 | | |
| 15/16/11 | Provide and install automatic fire sprinkler which open at 68 c, ½” orifice threaded, UL listed/ FM approved Pendent sprinkler, chrome finished Rate USD..... | NO | 1438 | | |
| 15/16/12 | Provide and install zone control unit valves with diam. 6” which include the followings: 1- 6” OS&Y Iron Body Gate Valve UL Listed/ FM Approved 2-Supervisory tamper switch, system sensor ,UL listed /FM approved 3- 6” Swing check valve flanged, UL listed / FM approved 4- 6” Water flow switch , system sensor, UL listed /FM approved 5- Pressure gauge, UL listed. 5- 1” Test & drain connection with sight glass, UL listed /FM approved Rate USD..... | NO | 8 | | |
| Sub-Total.. | | | | | |

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WORK: Fire Fighting

INSTITUTE BUILDING

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|--------------------|--|------|------|-------------|--------------|
| 15/16/13 | Supply and install automatic air vents , complete with all accessories | NO | 2 | | |
| 15/16/14 | Supply and install landing valves 2.5" UL/listed , complete with all accessories | NO | 24 | | |
| 15/16/15 | Supply and install Approved automatic (FM-200) fire suppression system complete with charged cylinders , actuators , piping , nozzles , release panel , detectors , wiring , alarm device , and connection to main fire alarm panels , According to NFPA & CIVIL DEFENCE REQUIREMENTS. | | | | |
| | FM200 System 25kg.(control room) Rate USD..... | NO | 1 | | |
| | FM200 System 100kg.(archive room) Rate USD..... | NO | 1 | | |
| Sub-Total.. | | | | | |

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WORK: Fire Fighting

INSTITUTE BUILDING

| Sub-Total.. | USD |
|-----------------------|-----|
| Sub-total from page 1 | |
| Sub-total from page 2 | |
| Sub-total from page 3 | |
| Total.. | |

Heating Ventilation & Air Conditioning WORK

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Institute
BILL NO. (15): H V A C

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| ITEM UNIT | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|-----------------------|---|------|-----|----------------|-----------------|
| 15/1 | SUPPLY, INSTALL AND COMMISSNING HEATING, VENTIALTION AND AIR CONDITIONING SYSTEM COMPLETE WITH THE FOLLOWING: - | | | | |
| 15/1/1 | AIR COOLED PACKAGED UNITS with capacity 4675 CFM and 28.7 TR cooling due to specifications and schedules complete with the followings : <ul style="list-style-type: none"> - Air-cooled condensing unit-copper tubes copper fins with fans and motors. - Direct expansion cooling coil with copper tubes copper fins. - Pre-filter with 30 % efficiency - Bag filter with 90 % efficiency. - Supply fan centrifugal type - Return fan centrifugal type. - Electric heaters. - Power and control panel. - Electric connections from main DP to the unit. - Hook up and fittings with all accessories - Flexible duct connection, spring vibration isolators and fresh air intake with sand traps louver, volume damper and insect screen; unit to be connected to duct system, central control panel, and with power connected and operating - Drain piping from unit to nearest drain point. - Concrete base Completed with vibration isolators as manufacturer recommendation. - All other accessories due to manufacture bases RATE USD | NO | 3 | | |
| 15/1/2 | Ditto but (20TR) | NO | 1 | | |
| 15/1/3 | Ditto but (15TR) | NO | 2 | | |
| Sub-Total P -1 | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Institute
BILL NO. (15): H V A C

| ITEM UNIT | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|-----------------------|---|------|-----|----------------|-----------------|
| 15/2 | SUPPLY, INSTALL AND COMMISSNING HEATING, VENTIALTION AND AIR CONDITIONING SYSTEM COMPLETE WITH THE FOLLOWING: - | | | | |
| 15/2/1 | SPLIT FAN COIL UNIT HIGH WALL MOUNTED COMPLETE WITH FILTER (Spec. 3-2-13) Split (FC-1) Unit with capacity 18000 (BTU/HR) cooling due to specifications and schedules complete with the followings : <ul style="list-style-type: none"> - Air-cooled condensing unit-copper tubes with fans and motors. - Direct expansion cooling coil with copper tubes. - Pre-filter with 30 % efficiency - Supply fan centrifugal type - Electric connections - Drain piping from unit to nearest drain point. RATE USD | NO | 20 | | |
| 15/2/2 | Ditto but (FC-1) Unit with capacity 30000 (BTU/HR). RATE USD | NO | 2 | | |
| 15/2/3 | SPLIT FAN COIL UNIT HIGH WALL MOUNTED COMPLETE WITH FILTER Split (FC-1) Unit with capacity 13000 (BTU/HR) cooling due to specifications and schedules complete with the followings : <ul style="list-style-type: none"> - Air-cooled condensing unit-copper tubes with fans and motors. - Direct expansion cooling coil with copper tubes. - Pre-filter with 30 % efficiency - Supply fan centrifugal type - Electric connections Drain piping from unit to nearest drain point. | NO | 10 | | |
| Sub-Total P -2 | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: Institute
BILL NO. (15): H V A C

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| ITEM UNIT | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|----------------|--|------|-----|----------------|-----------------|
| 15/3 | FANS: - (Spec. 13-2-3) | | | | |
| 15/3/1 | Axial wall mounted fan (EF-01) with airflow cap. 75 CFM. Due to specifications and schedules complete with the followings: - Electric motors and starters - All electric connections and wiring from main DP to the fans - Wind damper - All other accessories due to manufacture bases. RATE USD | NO | 85 | | |
| 15/3/2 | Ditto but (EF-02) with airflow cap. 150 CFM RATE USD | NO | 15 | | |
| 15/3/3 | Ditto but (EF-03) with airflow cap. 200 CFM . RATE USD | NO | 9 | | |
| 15/3/4 | Ditto but (EF-04) linear type with airflow cap. 250 CFM and static pressure 0.5 in wg RATE USD | NO | 5 | | |
| 15/3/5 | Ditto but (EF-05) linear type with airflow cap. 375 CFM and static pressure 0.5in wg RATE USD | NO | 1 | | |
| 15/3/6 | Ditto but (EF-06) linear type with airflow cap. 450 CFM and static pressure 0.5in wg RATE USD | NO | 1 | | |
| 15/3/7 | Ditto but (EF-07) linear type with airflow cap. 500 CFM and static pressure 0.5n wg RATE USD | NO | 4 | | |
| 15/3/8 | Ditto but (EF-08) linear type with airflow cap. 950 CFM and static pressure 0.5in wg RATE USD | NO | 1 | | |
| Sub-Total P -3 | | | | | |

Project : Arabic and Islamic Science Institute
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Works: Institute
BILL NO. (15): H V A C

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| ITEM UNIT | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|------------------|--|----------------|------------|--------------------|---------------------|
| | SEF-RF- 01 (inline type, roof top mounted, 1665 CFM) | NO | 1 | | |
| | SEF-RF- 02 (inline type, roof top mounted, 1325 CFM) | NO | 1 | | |
| | SEF-RF- 03 (inline type, roof top mounted, 2990 CFM) | NO | 1 | | |
| | SEF-RF- 01 (Centrifugal type, roof top mounted, 2800 CFM) | NO | 1 | | |
| | SEF-RF- 02 (Centrifugal type, roof top mounted, 4200 CFM) | NO | 2 | | |
| | SEF-RF- 03 (Centrifugal type, roof top mounted, 5600 CFM) | NO | 4 | | |
| 15/4 | AIR DUCT WORK SYSTEM: Galvanized steel duct work, including union fittings, and all accessories Complete with splitters, fire & volume dampers supports, air deflectors RATE USD | Kg | 20000 | | |
| 15/4/1 | AIR DUCT INSULATION WORK: (Spec. 13-2 -14) Supply and return insulation from fiber glass with thickness 1 in for internal duct and 2 in for external ducts completed with aluminum foil vapor barrier. RATE USD | m ² | 2500 | | |
| 15/4/2 | Supply and return internal insulation (ACOUSTIC LINING) . RATE USD | m ² | 250 | | |
| | Sub-Total P -4 | | | | |

Project : Arabic and Islamic Science Institute
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BILL NO. (15): H V A C

| ITEM UNIT | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|----------------------|--|------|-----|----------------|-----------------|
| 15/5 | AIR OUTLETS | | | | |
| 15/5/1 | Supply air square ceiling diffusers size 6 in x 6 in with volume damper. RATE USD | NO | 9 | | |
| 15/5/2 | Supply air square ceiling diffusers size 10 in x 10 in with volume damper. RATE USD | NO | 9 | | |
| 15/5/3 | Supply air square ceiling diffusers size 16 in x 16 in with volume damper. RATE USD | NO | 34 | | |
| 15/5/4 | Supply air square ceiling diffusers size 24 in x 24 in with volume damper. RATE USD | NO | 19 | | |
| 15/5/5 | Supply air square ceiling diffusers size 14 in x 14 in with volume damper. RATE USD | NO | 6 | | |
| 15/5/6 | RETURN air ceiling diffusers volume damper. RATE USD | NO | 22 | | |
| 15/6/7 | Supply, installation and testing of linear air outlets for air supply (LINEAR SLOT DIFFUSSERS) similar to what is found on the ground or similar, according to the modified architectural spaces and approved plans, including flexible air connections. Type, shape and size from the supervising engineer, according to the principles of workmanship and according to the technical specifications and recommendations of the supervising engineer. RATE USD | L.m | 97 | | |
| Sub-Total P-5 | | | | | |

Project : Arabic and Islamic Science Institute
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| ITEM UNIT | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|-----------------------|--|------|-----|----------------|-----------------|
| 15/6 | Aluminum Cladding for outdoor exposed supply and return air ducts with aluminum foil with thickness 0.7 mm fabricated with bolts method RATE USD | NO | 1 | | |
| 15/7 | HEATING VENTILATION AND AIR CONDITIONING CONTROL include but not limited to: - Control panels and center computer station - Electrical wiring Works - Temperature pressure sensors and indicators - Valves, actuators and petitioners - All other accessories due to manufacture bases. RATE USD | NO | 1 | | |
| 15/8 | Tools required for maintenance according to specification RATE USD | NO | 1 | | |
| Sub-Total P -6 | | | | | |

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| Sub-Total. | USD |
|-----------------------|------------|
| Sub-total from page 1 | |
| Sub-total from page 2 | |
| Sub-total from page 3 | |
| Sub-total from page 4 | |
| Sub-total from page 5 | |
| Sub-total from page 6 | |
| Total. | |

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WORK : ELECTRICAL

Building : Institute

ELECTRICAL

**Project : Arabic and Islamic Science Institute
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WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/1 | <p>MEDIUM VOLTAGE NETWORK</p> <p>Medium voltage service Compact substation Supply .install and test 1600 KVA ,11KV (380/220) V, 3 phase ,50HZ delta / star package substation according to drawings &specs including all necessary civil works , accessories for installation according to manufacture installations instructions.</p> <p>Medium voltage side :</p> <ul style="list-style-type: none"> - Fused load break switches - Voltage and current transformer 3phase for measuring instruments - earth switches which ore mechanically coupled with load break switches. <p>low voltage side :</p> <ul style="list-style-type: none"> - main automatic MCCB for transformer output and 3 phase current transformer and current measuring instruments. - 3 phase , neutral and earth bus bars with suitable cross section for the rated current <p>Measuring instruments: (kwh meter , volt, current, frequency, apparent power and indicating lamps) and all the necessary instruments according to manufacture instructions and electrical distribution company</p> | NO | 1 | | |
| Sub-Total | | | | | |

**Project : Arabic and Islamic Science Institute
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WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|----------|--|------|------|-------------|--------------|
| 16/2 | Low Voltage Network Supply, install and test distribution panel boards includes all supports, boxes fitting and all accessories to make the system operational and as in panel boards schedules and electrical dwgs. | | | | |
| 16/2/1 | Main Low Voltage Switch gear Type LVS Rate USD..... | NO | 1 | | |
| 16/2/2 | Main Low Voltage Switch gear Type ELVS Rate USD..... | NO | 1 | | |
| 16/2/3 | Main panel type MDB-1 Rate USD..... | NO | 1 | | |
| 16/2/4 | Main panel type EMDB-1 Rate USD..... | NO | 1 | | |
| 16/2/5 | Sub-main panel type SMDB-G Rate USD..... | NO | 1 | | |
| 16/2/6 | Sub-main panel type ESMDB-G Rate USD..... | NO | 1 | | |
| 16/2/7 | Sub-main panel type SMDB-1 Rate USD..... | NO | 1 | | |
| 16/2/8 | Sub-main panel type ESMDB-1 Rate USD..... | NO | 1 | | |
| 16/2/9 | Sub-main panel type SMDB-2 Rate USD..... | NO | 1 | | |
| 16/2/10 | Sub-main panel type ESMDB-2 Rate USD..... | NO | 1 | | |
| | Sub-Total | | | | |

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WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/2/11 | Sub-main panel type SMDB-3 Rate USD..... | NO | 1 | | |
| 16/2/12 | Sub-main panel type ESMDB-3 Rate USD..... | NO | 1 | | |
| 16/2/13 | Secondary panel type LDB-G-A Rate USD..... | NO | 1 | | |
| 16/2/14 | Secondary panel type LDB-G-B Rate USD..... | NO | 1 | | |
| 16/2/15 | Secondary panel type SDB-G-A Rate USD..... | NO | 1 | | |
| 16/2/16 | Secondary panel type ACDB-HALL Rate USD..... | NO | 1 | | |
| 16/2/17 | Secondary panel type ACDB-CONF. Rate USD..... | NO | 1 | | |
| 16/2/18 | Secondary panel type ACDB-1-A Rate USD..... | NO | 1 | | |
| 16/2/19 | Secondary panel type ACDB-2-A Rate USD..... | NO | 1 | | |
| Sub-Total | | | | | |

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WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|------|-------------|--------------|
| 16/2/20 | Secondary panel type SDB-G-B Rate USD..... | NO | 1 | | |
| 16/2/21 | Secondary panel type LDB-1-A Rate USD..... | NO | 1 | | |
| 16/2/22 | Secondary panel type DB-1-B Rate USD..... | NO | 1 | | |
| 16/2/23 | Secondary panel type SDB-1-A Rate USD..... | NO | 1 | | |
| 16/2/24 | Secondary panel type LDB-2-A Rate USD..... | NO | 1 | | |
| 16/2/25 | Secondary panel type LDB-2-B Rate USD..... | NO | 1 | | |
| 16/2/26 | Secondary panel type SDB-2-A Rate USD..... | NO | 1 | | |
| 16/2/27 | Secondary panel type SDB-2-B Rate USD..... | NO | 1 | | |
| 16/2/28 | Secondary panel type LDB-3-A Rate USD..... | NO | 1 | | |
| 16/2/29 | Secondary panel type LDB-3-B Rate USD..... | NO | 1 | | |
| 16/2/30 | Secondary panel type SDB-3-A Rate USD..... | NO | 1 | | |
| 16/2/31 | Secondary panel type SDB-3-B Rate USD..... | NO | 1 | | |
| 16/2/32 | Secondary panel type EDB-G-A Rate USD..... | NO | 1 | | |
| 16/2/33 | Secondary panel type EDB-1-A Rate USD..... | NO | 1 | | |
| 16/2/34 | Secondary panel type EDB-2-A Rate USD..... | NO | 1 | | |
| Sub-Total | | | | | |

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WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/2/35 | Secondary panel type EDB-3-A Rate USD..... | NO | 1 | | |
| 16/2/36 | Secondary panel type EDB-G-B Rate USD..... | NO | 1 | | |
| 16/2/37 | Secondary panel type EDB-1-B Rate USD..... | NO | 1 | | |
| 16/2/38 | Secondary panel type EDB-2-B Rate USD..... | NO | 1 | | |
| 16/2/39 | Secondary panel type EDB-3-B Rate USD..... | NO | 1 | | |
| 16/2/40 | Secondary panel type DB-HALL Rate USD..... | NO | 1 | | |
| 16/2/41 | Secondary panel type DB-LIBR Rate USD..... | NO | 1 | | |
| 16/2/42 | Secondary panel type DB-MOSQ Rate USD..... | NO | 1 | | |
| 16/2/43 | Secondary panel type LDB-CONF Rate USD..... | NO | 1 | | |
| 16/2/44 | Secondary panel type SDB-CONF Rate USD..... | NO | 1 | | |
| 16/2/45 | Secondary panel type EDB-HALL Rate USD..... | NO | 1 | | |
| 16/2/46 | Secondary panel type EDB-LIBR Rate USD..... | NO | 1 | | |
| 16/2/47 | Secondary panel type EDB-MOSQ Rate USD..... | NO | 1 | | |
| 16/2/48 | Secondary panel type EDB-CONF Rate USD..... | NO | 1 | | |
| 16/2/49 | Panel type DB-PUMPS Rate USD..... | NO | 1 | | |
| Sub-Total | | | | | |

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WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/3 | LOW VOLTAGE CABLE Supply, install and test Low voltage copper cables 0.6/1 KV XLPE/PVC includes all conduits, boxes, cable trays, cable tray branches, accessories, fittings and/or in ground trenches, Manholes, all fixations to any structure and all civil works required to accomplish the work as per specs. and dwgs. | | | | |
| 16/3/1 | (3x300+150)+95mm2 Rate USD..... | L.m | 700 | | |
| 16/3/2 | (3x240+120)+95mm2 Rate USD..... | L.m | 40 | | |
| 16/3/3 | (3x185+95)+ 95mm2 Rate USD..... | L.m | 130 | | |
| 16/3/4 | (3x150+70)+70mm2 Rate USD..... | L.m | 535 | | |
| 16/3/5 | (3x70+35)+35mm2 Rate USD..... | L.m | 80 | | |
| 16/3/6 | (3x35+16)+16mm2 Rate USD..... | L.m | 221 | | |
| 16/3/7 | (3x25+16)+16mm2 Rate USD..... | L.m | 20 | | |
| 16/3/8 | (3x16+10)+10mm2 Rate USD..... | L.m | 250 | | |
| 16/3/9 | (3x10+6)+ 6mm2 Rate USD..... | L.m | 800 | | |
| Sub-Total | | | | | |

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WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|----------|---|------|------|-------------|--------------|
| 16/4 | Disconnect Switches Controlling the Machines Disconnect switch fusible type as shown in elect drawings with enclosure all supporting required with weather proof type protection (suitable I.P), includes all conduits, cable trays, cable tray branches, accessories | | | | |
| 16/4/1 | Supply, install and test 3 phase disconnecting switch 40 Amp. 380V. Rate USD..... | NO | 1 | | |
| 16/4/2 | Supply, install and test 1 phase disconnecting switch 32 Amp.220V. Rate USD..... | NO | 2 | | |
| 16/4/3 | Supply, install and test 1 phase disconnecting switch 26Amp.220V. Rate USD..... | NO | 30 | | |
| 16/4/4 | Supply, install and test 1 phase disconnecting switch 5Amp.220V. Rate USD..... | NO | 124 | | |
| 16/4/5 | Supply, install and test 3 phase disconnecting switch 16 Amp. 380V. Rate USD..... | NO | 1 | | |
| 16/4/6 | Supply, install and test 3 phase disconnecting switch 63 Amp. 380V. Rate USD..... | NO | 1 | | |
| 16/4/7 | Supply, install and test 3 phase disconnecting switch 80 Amp. 380V. Rate USD..... | NO | 2 | | |
| 16/4/8 | Supply, install and test 3 phase disconnecting switch 100 Amp. 380V. Rate USD..... | NO | 1 | | |
| 16/4/9 | Supply, install and test 3 phase disconnecting switch 125 Amp. 380V. Rate USD..... | NO | 2 | | |
| 16/4/10 | Supply, install and test 3 phase disconnecting switch 150 Amp. 380V. Rate USD..... | NO | 1 | | |
| | Sub-Total | | | | |

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WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|------|-------------|--------------|
| 16/4/12 | Supply, install and test power disconnecting switch ,reseeded in the wall,1ph,2pole,32A,220V,50HZ,with thermal over load protection and indicating lamp, used for cooking appliance type (HD) Rate USD..... | NO | 21 | | |
| 16/4/13 | Supply, install and test power disconnecting switch ,reseeded in the wall,1ph,2pole,32A,220V,50HZ,with thermal over load protection and indicating lamp, used for water heater appliance type (H) Rate USD..... | NO | 23 | | |
| 16/4/14 | Supply, install and test power disconnecting switch ,reseeded in the wall,1ph,2pole,32A,220V,50HZ,with thermal over load protection and indicating lamp, used for refrigerator appliance type (FR) Rate USD..... | NO | 7 | | |
| 16/4/15 | Supply, install and test power disconnecting switch ,reseeded in the wall,1ph,2pole,32A,220V,50HZ,with thermal over load protection and indicating lamp, used for water heater appliance type (CO) Rate USD..... | NO | 7 | | |
| Sub-Total | | | | | |

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WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/6 | Lighting Outlet Points | | | | |
| 16/6/1 | Supply, install and test Lighting outlet points Containing control switches Wires, cable trays, pipes and all accessories according to dwgs. and spec. Rate USD..... | NO | 3052 | | |
| 16/6/2 | Luminaire type A7 Rate USD..... | NO | 18 | | |
| 16/6/3 | Luminaire type B6 Rate USD..... | NO | 502 | | |
| 16/6/4 | Luminaire type B5 Rate USD..... | NO | 243 | | |
| 16/6/5 | Luminaire type A4 Rate USD..... | NO | 68 | | |
| 16/6/6 | Luminaire type B3 Rate USD..... | NO | 122 | | |
| 16/6/7 | Luminaire type W1 Rate USD..... | NO | 37 | | |
| 16/6/8 | Luminaire type B14 Rate USD..... | NO | 37 | | |
| 16/6/9 | Luminaire type C3 Rate USD..... | NO | 16 | | |
| 16/6/10 | Luminaire type B4 Rate USD..... | NO | 145 | | |
| 16/6/11 | Luminaire type A10 Rate USD..... | NO | 40 | | |
| 16/6/12 | Luminaire type A11 Rate USD..... | NO | 2 | | |
| 16/6/13 | Luminaire type A14 Rate USD..... | NO | 2 | | |
| 16/6/14 | Luminaire type A8 Rate USD..... | NO | 14 | | |
| Sub-Total | | | | | |

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Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|-------------------------------------|------|------|-------------|--------------|
| 16/6/15 | Luminaire type B0 Rate USD..... | NO | 95 | | |
| 16/6/16 | Luminaire type B13 Rate USD..... | NO | 970 | | |
| 16/6/17 | Luminaire type W2 Rate USD..... | NO | 16 | | |
| 16/6/18 | Luminaire type SS Rate USD..... | NO | 56 | | |
| 16/6/19 | Luminaire type DS Rate USD..... | NO | 28 | | |
| 16/6/20 | Luminaire type A20 Rate USD..... | NO | 94 | | |
| 16/6/21 | Luminaire type B7 Rate USD..... | NO | 84 | | |
| 16/6/22 | Luminaire type B21 Rate USD..... | NO | 204 | | |
| 16/6/23 | Fan Outlet Rate USD..... | NO | 331 | | |
| 16/6/24 | Luminaire type B11 Rate USD..... | NO | 2 | | |
| 16/6/25 | Luminaire type A9 Rate USD..... | NO | 4 | | |
| 16/6/26 | Luminaire type A17 Rate USD..... | NO | 253 | | |
| Sub-Total | | | | | |

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WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|------|-------------|--------------|
| 16/7 | Convenience Socket And Outlet Supply, install and test convenience socket wall mounted include ampere and voltage indication labels and outlet wiring complete with junction boxes, cable trays, pipes, wires and all accessories | | | | |
| 16/7/1 | 15A, 220V (P1+N+E) wall mounted socket Rate USD..... | NO | 701 | | |
| 16/7/2 | 15A, 220V (P1+N+E) wall Mounted socket with ground fault circuit interrupter (GFCI). Rate USD..... | NO | 50 | | |
| 16/7/3 | 15A, 220V (P1+N+E) wall mounted socket with indicating lamp and switch to work with emergency Rate USD..... | NO | 187 | | |
| 16/7/4 | 15A, 220V (P1+N+E) floor Mounted socket Rate USD..... | NO | 473 | | |
| 16/7/5 | 15A, 220V (P1+N+E) floor Mounted socket with indicating lamp and switch to work with emergency Rate USD..... | NO | 231 | | |
| 16/7/6 | 15A, 220V (P1+N+E) but weather type with suitable IP. Rate USD..... | NO | 5 | | |
| 16/7/7 | Double socket outlets in a duplex gang each 15A, 220V (L+N+E) with indicating lamp and switch to work with emergency . Rate USD..... | NO | 43 | | |
| 16/7/8 | Double socket outlets in a duplex gang each 15A, 220V (L+N+E) Rate USD..... | NO | 39 | | |
| 16/7/9 | Double socket outlets in a duplex gang each 15A, 220V (L+N+E),floor Mounted socket with indicating lamp and switch to work with emergency Rate USD..... | NO | 4 | | |
| Sub-Total | | | | | |

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WORK : ELECTRICAL

Building : Institute

| TEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|------|------|-------------|--------------|
| 16/8 | Fire Detection and Alarm System | | | | |
| 16/8/1 | Supply, install and test outlet points for fire alarm system containing wires, cable trays, pipes....etc. and all accessories according to dwgs. And spec. Rate USD..... | NO | 690 | 90 | |
| 16/8/2 | Supply, install, test, commission and program..etc. addressable control panel 5 loops with self charger battery, nickel cadmium batteries with all accessories and automatic dialer according to drawing and specification Rate USD..... | NO | 2 | 13,000 | |
| 16/8/3 | Supply, install and test smoke addressable detectors (S) Rate USD..... | NO | 546 | 100 | |
| 16/8/4 | Supply, install and test heat addressable detectors (H) Rate USD..... | NO | 12 | 100 | |
| 16/8/5 | Supply, install and test manual addressable fire alarm station break glass Rate USD..... | NO | 46 | 130 | |
| 16/8/6 | Supply, install and test addressable electronic sounder Rate USD..... | NO | 62 | 140 | |
| 16/8/7 | Supply, install and test addressable siren & flasher (weather proof). Rate USD..... | NO | 4 | 159 | |
| 16/8/8 | Supply, install and test addressable beam detector Rate USD..... | NO | 2 | 150 | |
| 16/8/9 | Supply, install and test addressable duct smoke detector Rate USD..... | NO | 7 | 145 | |
| 16/8/10 | Supply, install and test control & monitor module Interface with firefighting system & elevators Rate USD..... | NO | 11 | 200 | |
| Sub-Total | | | | | |

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Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|-----|-------------|--------------|
| 16/9 | Telephone System | | | | |
| 16/9/1 | Supply, install and test electronic telephone system duplicated digital system complete with emergency power supply unit, operator unit, battery charger and all accessories Pabx (PABX) and extendable according to specs. and recommendation of supplier company Rate USD..... | NO | 1 | | |
| 16/9/2 | Supply, install and test Patching panels (Patching panels 50 Pair) QTY 2 (Patching panels 150 Pair) QTY 2 with RJ-45 Terminals of different number of outlets according to dwgs. Rate USD..... | NO | 1 | | |
| 16/9/3 | Supply, install and test telephone outlet point complete with wire of CAT5E inside (UPVC) pipes with suitable diameter including the outlet RJ-45 (wall mounted), Boxes and outlet Rate USD..... | NO | 134 | | |
| 16/9/4 | Supply, install and test telephone outlet point complete with wire of CAT5E inside (UPVC) pipes with suitable diameter including the outlet RJ-45 (floor mounted), Boxes and outlet Rate USD..... | NO | 221 | | |
| Sub-Total | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 16
PAGE NO. : 15 OF 21

WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|------------------|--|------|-----|-------------|--------------|
| 16/9/5 | Supply, install and test telephone cable 200 pairs according to dwgs and specs. The price includes UPVC Pipes, ducts, accessories and all civil work needed to accomplish the work. Rate USD..... | L.m | 200 | | |
| 16/9/6 | Supply, install and test MDF 700 pair extendable according to specs according to dwgs. Rate USD..... | NO | 1 | | |
| Sub-Total | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 16
PAGE NO. : 16 OF 21

WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|-----|-------------|--------------|
| 16/10 | Sound System | | | | |
| 16/10/1 | Supply, install and test disk top dynamic mic. Rate USD..... | NO | 4 | | |
| 16/10/2 | Supply, install and test 19" rack complete with main switch ventilation fan, distribution box and all accessories Rate USD..... | NO | 4 | | |
| 16/10/3 | Supply, install and test mixer and preamplifier include double cassette deck , AM/FM unit, CD- PLAYER unit and BGM unit Rate USD..... | NO | 4 | | |
| 16/10/4 | Supply, install and test power amplifier 500W cascade type Rate USD..... | NO | 1 | | |
| 16/10/5 | Supply, install and test power amplifier 200W cascade type Rate USD..... | NO | 4 | | |
| 16/9/6 | Supply, install and test power amplifier 250W cascade type Rate USD..... | NO | 1 | | |
| 16/10/7 | Supply, install and test power amplifier 80W cascade type Rate USD..... | NO | 1 | | |
| 16/10/8 | Supply, install and test zone selector Rate USD..... | NO | 1 | | |
| Sub-Total | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 16
PAGE NO. : 17 OF 21

WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|------|-----|-------------|--------------|
| 16/10/9 | Supply, install and test monitor and control panel Rate USD..... | NO | 4 | | |
| 16/10/10 | Supply, install and test automatic battery charger complete with suitable batteries Rate USD..... | NO | 4 | | |
| 16/10/11 | Supply, install and test 6 Watt ceiling mounted speakers according to drawing and specs. Rate USD..... | NO | 148 | | |
| 16/10/12 | Supply, install and test 30 Watt mounted speakers according to drawing and specs. Rate USD..... | NO | 18 | | |
| 16/10/13 | Supply, install and test Outlets for speakers and horns, the price includes cable trays, conduits, accessories, cables, wires, boxes and all necessary civil work needed to accomplish the work according to dwgs and specs. Rate USD..... | NO | 166 | | |
| Sub-Total | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 16
PAGE NO. : 18 OF 21

WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|------------------|--|------|-----|-------------|--------------|
| 16/11 | Computer Network | | | | |
| 16/11/1 | <p>Supply, install and test a computer network includes CAT-6cables, a number of wall mounted R-J45 outlets , Access switches, Routers, DSL Modems</p> <p>Access Switch 12 Ports 100/1000 Base QTY 1</p> <p>Access Switch 100/1000 Base 60 Node QTY 3</p> <p>Access Switch 100/1000 Base 80 Node QTY 6</p> <p>DSL Modem QTY 1 RJ45 Outlet Wall Mounted QTY 153 RJ45 Outlet ground Mounted QTY 438</p> <p>Including conduits, accessories and all necessary equipments and civil works required to accomplish the work according to drawings, specifications and recommendation on manufacturers. Rate USD.....</p> | NO | 1 | | |
| 16/11/2 | <p>Supply, install and test a computer server for the internet service including all necessary peripherals and accessories e.g. network card, graphic card, monitor, hard desk CD-r/w drive, DVD drive etc... according to the latest specifications in the market at the supply time. The owner and the consultant should approve the specification at the time of supply. Rate USD.....</p> | NO | 1 | | |
| Sub-Total | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 16
PAGE NO. : 19 OF 21

WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|----------------------|---|------|-----|-------------|--------------|
| 16/12 16/12/1 | Television System Supply, install and test TV socket outlet wall mounted include outlet wiring complete with junction boxes, cable trays, pipes, wires and all accessories Rate USD..... | NO | 15 | | |
| Sub-Total | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 16
PAGE NO. : 20 OF 21

WORK : ELECTRICAL

Building : Institute

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/13 | Diesel Generator Supply, install and test stand by diesel gen. Unit 300 KVA 3ph, 380/220V, 1800 rpm 50Hz complete with main circuit breaker, automatic starter, batteries and all civil work, according to dwgs. & specs. Rate USD..... | NO | 1 | | |
| 16/13/1 | Supply, install and test daily tank complete with automatic and manual feeding system Rate USD..... | NO | 1 | | |
| 16/13/2 | Ditto but main tank Rate USD..... | NO | 1 | | |
| 16/13/3 | Supply, install and test A.T.S unit 500A complete with all accessories according to dwg. & specs. (Spec Item 16600) Rate USD..... | NO | 1 | | |
| Sub-Total | | | | | |

**Project : Arabic and Islamic Science Institute
Jakarta, Indonesia**

BILL NO. : 16
PAGE NO. : 21 OF 21

WORK : ELECTRICAL

Building : Institute

| Sub-Total | USD |
|-----------------------|------------|
| TOTAL PAGE NO (2) | |
| TOTAL PAGE NO (3) | |
| TOTAL PAGE NO (4) | |
| TOTAL PAGE NO (5) | |
| TOTAL PAGE NO (6) | |
| TOTAL PAGE NO (7) | |
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| TOTAL PAGE NO (16) | |
| TOTAL PAGE NO (17) | |
| TOTAL PAGE NO (18) | |
| TOTAL PAGE NO (19) | |
| TOTAL PAGE NO (207) | |
| Total | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

Works: INSTITUTE BUILDING

1 / 1

| Sub-Total.. | USD |
|-------------------------|------------|
| | |
| CIVIL & ARCH | |
| ELEVATOR | |
| PLUMBING | |
| FIRE FIGHTING | |
| HVAC | |
| ELECTRICAL | |
| | |
| Total.. | |

Sub – total to be copied to the resume Project



**KINGDOM OF SAUDI AREBIA
MINISTRY OF FINANCE**

**PROJECT
PREPARING OF DESIGN & FINAL DRAWING FOR
ARABIC AND ISLAMIC SCIENCE INSTITUTE
JAKARTA - INDONESIA**

FINAL DESIGN

**SITE WORK
BILLS OF QUANTITIES**

JAMADI AWWAL 1438

FEBRUARY 2017

مخططون ومعماريون ومهندسون
الخصيبي والشعبي ((تضامنية))
PLANNERS , ARCHITECTS & ENGINEERS

البيئة
Beeah 

**CIVIL & ARCHITECTURAL WORKS
FOR
SITE WORKS**

Project : Arabic and Islamic Sciences Institute
 Jakarta, Indonesia

Work: Site Works

1/ 12

Bill NO (00) Preliminary works.

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|------|------|-------------|--------------|
| | Provide, supply and install the following preliminaries items complete in accordance with specifications. | | | | |
| 00/01 | Temporary fencing according to specification and as per Engineer instructions. Rate USD..... | L.m | 540 | | |
| 00/02 | Provide sign board of size NOt less than 2.0x2.50m with perspective including metal framing and struts fixed in concrete foundation. Rate USD..... | NO | 2 | | |
| 00/03 | Provide and maintain all temporary facilities the Consultant's and Owner's site office of area NOt less than 120 m2, including toilets, wash basin & kitchen, complete with furniture, equipments and all facilities as specified in the contract documents and specs. Rate USD..... | NO | 1 | | |
| 00/04 | Prepare and provide appropriate shop drawings of all elements, goods, systems and materials comprising or to be incorporated in to the works and in accordance with schedule for submittal and according to contract documents. Rate USD..... | NO | 1 | | |
| 00/05 | Submit (as built drawings) according to specs. Rate USD..... | NO | 1 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Sciences Institute
 Jakarta, Indonesia

Work: Site Works

2/ 12

Bill NO (01) External site

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|--|----------------|-------|-------------|--------------|
| | All works according to drawings and specification | | | | |
| 01/01 | Leveling for site area for paving and green areas including excavation and backfilling with compaction under paving areas up to required level and the price include preparing site leveling servings Rate USD..... | m ² | 16850 | | |
| 01/02 | 100 mm thick stone mulch for green beds. Rate USD..... | m ² | 105 | | |
| 01/03 | 80 mm thick Interlock tiles for sidewalks Rate USD..... | m ² | 1990 | | |
| 01/04 | 20 mm thick marble tiles for the area between the institute building and the accommodation building. Rate USD..... | m ² | 1120 | | |
| 01/05 | 500x 300x 150 mm Pre-cast concrete curbs for sidewalks including excavation, backfilling and concrete footing. Rate USD..... | L.m | 645 | | |
| 01/06 | 500x 300x 100 mm Pre-cast concrete curbs for green area including excavation, backfilling and concrete footing. Rate USD..... | L.m | 1020 | | |
| 01/07 | 1800x150 mm Pre-cast car stop curbs at car parking Rate USD..... | NO | 142 | | |
| 01/08 | 300x 160x 40/20 mm granite steps for building entrance Rate USD..... | L.m | 80 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Sciences Institute
 Jakarta, Indonesia

Work: Site Works

3/ 12

Bill NO (01) External site

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|--|----------------|------|-------------|--------------|
| 01/09 | Fences Block and steel fence, the price including excavation, backfilling, concrete, waterproofing, expansion joints, finishing. Rate USD..... | L.m | 400 | | |
| 01/10 | Steel fence for tennis court enclosure Rate USD..... | L.m | 82 | | |
| 01/11 | Security Rooms Constructing for security room, the price include all architectural and structural works and all is necessary except electrical, mechanical and furniture works. Rate USD..... | m ² | 55 | | |
| 01/12 | Paving and Surfacing 200 mm thick sub-base under asphalt for roads Rate USD..... | m ² | 4220 | | |
| 01/13 | 70 mm thick asphalt base course (after compacting) including prime coat Rate USD..... | m ² | 4220 | | |
| 01/14 | 40 mm thick asphalt wearing course (after compacting) including tack coat and road marks painting. Rate USD..... | m ² | 4220 | | |
| 01/15 | Security Doors Steel Door size 2800x2950 mm the price include supplying, installation, painting, hardware and all its necessary Rate USD..... | NO | 1 | | |
| | Steel Door size 7000x2950 mm the price include supplying, installation, painting, hardware and all its necessary Rate USD..... | NO | 1 | | |
| | Steel Door size 4500x2950 mm the price include supplying, installation, painting, hardware and all its necessary Rate USD..... | NO | 1 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Sciences Institute
 Jakarta, Indonesia

Work: Site Works

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Bill NO (01) External site

| ITEM NO | DESCRIPTION | UNIT | QTY . | UNIT PRICES | TOTAL AMOUNT |
|---------|--|----------------|-------|-------------|--------------|
| 1/16 | Water Tank And Electrical Room | | | | |
| 1-16-1 | excavation Rate USD..... | m ³ | 2100 | | |
| 1-16-2 | backfill Rate USD..... | m ³ | 200 | | |
| 1-16-3 | Plain concrete grade 21 mpa . Rate USD..... | m ³ | 100 | | |
| 1-16-4 | Reinforced concrete grade 32 mpa for under ground tank Rate USD..... | m ³ | 600 | | |
| 1-16-5 | Reinforced concrete grade 32 mpa for Electrical Room footings,grade beams , slabs on grade and column necks Rate USD..... | m ³ | 50 | | |
| 1-16-6 | Reinforced concrete grade 32 mpa for Electrical Room columns Rate USD..... | m ³ | 10 | | |
| 1-16-7 | Reinforced concrete grade 32 mpa for Electrical Room slabs and beams Rate USD..... | m ³ | 30 | | |
| 1-16-8 | Anti-thermite under plain concrete Rate USD..... | m ² | 400 | | |
| 1-16-9 | Poly-Ethelene sheets 500 micron thickness Rate USD..... | m ² | 400 | | |
| | SUB-TOTAL | | | | |

Project : Arabic and Islamic Sciences Institute
Jakarta, Indonesia

Work: Site Works

5/ 12

| ITEM NO | DESCRIPTION | UNIT | QTY . | UNIT PRICES | TOTAL AMOUNT |
|----------------|--|----------------|--------------|--------------------|---------------------|
| 1-16-10 | insulation works for external walls and under foundations buried in the ground with two layers of bitumen coils, thickness of 4 mm for each layer Rate USD..... | m ² | 770 | | |
| 1-16-11 | 3 layers of painted liquid bitumen insulation works for Electrical Room foundations , grade beams and column necks . Rate USD..... | m ² | 150 | | |
| 1-16-12 | Internal insulation of 3 layers of NON-toxic of epoxy painting Rate USD..... | m ² | 1500 | | |
| 1-16-13 | Internal floor finish of epoxy paint on concrete painting for Electrical Room floors Rate USD..... | m ² | 75 | | |
| 1-16-14 | Hollow concrete blocks 25 cm thickness Rate USD..... | m ² | 800 | | |
| 1-16-15 | Hollow concrete blocks 20 cm thickness Rate USD..... | m ² | 300 | | |
| | concrete blocks 30 cm thickness Rate USD..... | m ² | 200 | | |
| 1-16-16 | Isolated Cast iron steps Rate USD..... | NO | 23 | | |
| 1-16-17 | Galvanized steel ladder for Electrical Room Rate USD..... | NO | 1 | | |
| | SUB-TOTAL | | | | |

Project : Arabic and Islamic Sciences Institute

Jakarta, Indonesia

Work: Site Works

6/ 12

| ITEM NO | DESCRIPTION | UNIT | QTY | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|----------------|------------|--------------------|---------------------|
| 1-16-18 | Galvanized steel plates for trenches in Electrical Room Rate USD..... | m ² | 20 | | |
| 1-16-19 | SMOOTH PLASTER for walls Rate USD..... | m ² | 250 | | |
| 1-16-20 | SMOOTH PLASTER for ceiling Rate USD..... | m ² | 80 | | |
| 1-16-21 | ACRYLIC PAINT ON PLASTER Rate USD..... | m ² | 80 | | |
| 1-16-22 | Door type D0A 2200 W* 2400 H mm as specified in door details Rate USD..... | NO | 3 | | |
| 1-16-23 | Roof finishing for electrical room as follows S/C SCREED TO SLOPE W\ AVERAGE THK 70 MM SHEET W\ POLYSTER FIBER REINFORCEMENT. FULLY BONDED 2 LAYERS 3MM THK EACH WATER PROOFING BITMINIOUS MEMBRANCE FELT SEPARATOR (POLYSTER FIBR LAYER) 1 MM GRAVEL Rate USD..... | m ² | 80 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Sciences Institute

Jakarta, Indonesia

Work: Site Works

7/ 12

Bill NO (01) External site

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|---|------|------|-------------|--------------|
| | Supply, install, and finish all plantation works including fixing, sustaining and maintaining till the final hand over as per drawings and specifications section (02-900) | | | | |
| | Palms | | | | |
| 01/18 | Washingtonia Robusta(P1) 3m spread and 3.5m height Rate USD..... | NO | 18 | | |
| | Palms Like | | | | |
| 01/19 | Ravenala madagascariensis (p11) 1.50m spread and 0.75m height Rate USD..... | NO | 10 | | |
| 01/20 | Cycas Circinalis (p12) 0.75m spread and 0.50m height Rate USD..... | NO | 42 | | |
| | Trees | | | | |
| 01/21 | Albizia Julibrisin (T1) 3.00m spread and 4.0m height Rate USD..... | NO | 3 | | |
| 01/22 | Cassia Alata (T2) 3.5m spread and 3.0m height Rate USD..... | NO | 16 | | |
| 01/23 | Cinnamomum Camphora (T3) 3.0m spread and 2.50m height Rate USD..... | NO | 8 | | |
| 01/24 | Dillenia Indica (T4) 3.50 spread and 2.75m height Rate USD..... | NO | 21 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Sciences Institute

Jakarta, Indonesia

Work: Site Works

8/ 12

Bill NO (01) External site

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|------|------|-------------|--------------|
| 01/25 | Erythina Grista Galli (T5) 3.0m spread and 2.50m height Rate USD..... | NO | 18 | | |
| 01/26 | Ginkgo Biloba (T6) 3.50m spread and 3.0m height Rate USD..... | NO | 1 | | |
| 01/27 | Peltqphorum Africanum (T7) 3.50m spread and 3.0m height Rate USD..... | NO | 2 | | |
| 01/28 | Pinus Halepensis (T8) 4.0m spread and 3.00m height Rate USD..... | NO | 2 | | |
| 01/29 | Populus Nigra (T9) 3.50m spread and 2.50m height Rate USD..... | NO | 10 | | |
| 01/30 | Wisteria Flqrbunda (T10) 3.50m spread and 3.50m height Rate USD..... | NO | 3 | | |
| | Shrubs | | | | |
| 01/31 | Acalypha Wilkesiana (S1) red leaves 1.50m spread and 1.50m height Rate USD..... | NO | 7 | | |
| 01/32 | Callicarpa Japonica (S2) 1.00m spread and 1.00m height Rate USD..... | NO | 30 | | |
| 01/33 | Fatisia Japonica (S3) 1.50m spread and 1.50m height Rate USD..... | NO | 9 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Sciences Institute
 Jakarta, Indonesia

Work: Site Works

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Bill NO (01) External site.

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|------|------|-------------|--------------|
| 01/34 | Ixora Chinensis (S4) 0.75m spread and 0.75m height Rate USD..... | NO | 12 | | |
| 01/35 | Lagerstroemia Indica (S5) 2.50m spread and 2.0m height Rate USD..... | NO | 43 | | |
| | Ground Cover | | | | |
| 01/36 | Wedelia Trilobata (GC2) 0.25m spread and 0.25m height Rate USD..... | NO | 57 | | |
| 01/37 | Lantana Montevudensis (GC3) 0.20m spread and 0.20m height Rate USD..... | NO | 352 | | |
| 01/38 | Gerbera Jamesonii (GC4) 0.25m spread and 0.25m height Rate USD..... | NO | 446 | | |
| 01/39 | Salvia Splendens (GC5) 0.25m spread and 0.25m height Rate USD..... | NO | 770 | | |
| 01/40 | Tradescantia pallida (GC6) 0.25m spread and 0.25m height Rate USD..... | NO | 190 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Sciences Institute
 Jakarta, Indonesia

Work: Site Works

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Bill NO (01) External site.

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|----------------|------|-------------|--------------|
| 01/41 | <p>Lawns</p> <p>Tifway 0.05 height Rate USD.....</p> | m ² | 650 | | |
| 01/42 | <p>Supply, leveling and preparation of plantation soil for the green area as well as for planting of trees, shrubs and lawns. The price includes graded gravel for pit bottom and all necessary accessories for the accomplishment of works. Rate USD.....</p> | m ³ | 370 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Sciences Institute

Jakarta, Indonesia

Work: Site Works

11/12

Bill NO (01) External site

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|--|------|------|-------------|--------------|
| | Suspend and fix the following Informative and directional signboards as per drawings: | | | | |
| 01/43 | 1200 x 2000x 300 mm external signboard type (D11) Rate USD..... | NO | 2 | | |
| 01/44 | 6000 x 1750 x 800 mm external signboard type (D12) Rate USD..... | NO | 1 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Sciences Institute
Jakarta, Indonesia

Work: Site Works

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| Sub-Total.. | USD |
|------------------------|------------|
| Sub-total from page 1 | |
| Sub-total from page 2 | |
| Sub-total from page 3 | |
| Sub-total from page 4 | |
| Sub-total from page 5 | |
| Sub-total from page 6 | |
| Sub-total from page 7 | |
| Sub-total from page 8 | |
| Sub-total from page 9 | |
| Sub-total from page 10 | |
| Sub-total from page 11 | |
| | |
| Total.. | |

Sub – total to be copied to the resume

Table No (15) Plumbing – site work

Plumbing

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

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Table No (15) Plumbing – site work

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------------|---|------|------|-------------|--------------|
| | DOMESTIC WATER NETWORK | | | | |
| 15/1 | Gate valve with all fittings as per Specifications | | | | |
| 15/1/1 | Diameter 100 mm Rate USD..... | NO | 7 | | |
| 15/1/2 | Diameter 75 mm Rate USD..... | NO | 7 | | |
| | U.P.V.C. pipes with all fittings as per Specifications | | | | |
| 15/1/3 | Diameter 100 mm Rate USD..... | L.m | 348 | | |
| 15/1/4 | Diameter 75 mm Rate USD..... | L.m | 185 | | |
| SUB-TOAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

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Table No (15) Plumbing – site work

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------------|---|------|------|-------------|--------------|
| | SEWAGE NETWORK | | | | |
| | U.P.V.C. pipes with all fittings as per Specifications | | | | |
| 15/2/5 | Diameter 200 mm Rate USD..... | L.m | 228 | | |
| 15/2/6 | Diameter 160 mm Rate USD..... | L.m | 195 | | |
| 15/3 | Manholes | | | | |
| 15/3/1 | Manhole 1200mm inside dia with depth Ranges between (1.2 – 2.5 m) complete With cover , stai USD and all accessories Rate USD..... | NO | 13 | | |
| 15/3/2 | Manhole 1200mm inside dia with depth Ranges between (2.5 – 3.5 m) complete With cover , stai USD and all accessories Rate USD..... | NO | 3 | | |
| 15/3/3 | Manhole 1200mm inside dia with depth Ranges between (1.2 – 2.5 m) complete With cover , stai USD and all accessories Rate USD..... | NO | 19 | | |
| SUB-TOAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

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Table No (15) Plumbing – site work

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|------|------|-------------|--------------|
| 15/4 | IRRIGATION WATER NETWORK | | | | |
| 15/4/1 | Gate valve with all fittings inside inspection box as per Specifications | | | | |
| 15/4/1/ 1 | Diameter 50 mm Rate USD..... | NO | 9 | | |
| 15/4/1/ 2 | Diameter 32 mm Rate USD..... | NO | 7 | | |
| 15/4/2 | U.P.V.C. pipes with all fittings as per Specifications | | | | |
| 15/4/2/ 1 | Diameter 63 mm Rate USD..... | L.m | 6 | | |
| 15/4/2/ 2 | Diameter 50 mm Rate USD..... | L.m | 650 | | |
| 15/4/2/ 3 | Diameter 32 mm Rate USD..... | L.m | 330 | | |
| 15/4/2/ 4 | Diameter 25 mm Rate USD..... | L.m | 100 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

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Table No (15) Plumbing – site work

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|--|------|------|-------------|--------------|
| 15/4/2/5 | Poly ethylene hose for irrigation including spiral barred , Fittings Rate USD..... | L.m | 500 | | |
| 15/4/3 | Spray Head (sprinkler) with 15 ft radius and discharge 3.70 gpm and pressure 2 baUSD | | | | |
| 15/3/1 | Full circle Rate USD..... | NO | 10 | | |
| 15/3/2 | Half circle Rate USD..... | NO | 20 | | |
| 15/3/3 | Quarter circle Rate USD..... | NO | 10 | | |
| 15/5 | Supply and install a compact unit with capacity of 1050 m ³ /day for treating collected wastewater which will be reused for irrigation purposes. Treatment process should include tertiary biological treatment and then followed by final treatment for more purification and disinfections to produce purified and disinfected water containing 10 ppm of BOD and 10 ppm of TDS as maximum rates. The item includes all fittings and accessories needed to finish all works due to technical specifications. Rate USD..... | NO | 1 | | |
| SUB-TOTAL | | | | | |

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

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Table No (15) Plumbing – site work

| Sub-Total.. | USD |
|-----------------------|------------|
| Sub-total from page 1 | |
| Sub-total from page 2 | |
| Sub-total from page 3 | |
| Sub-total from page 4 | |
| Total | |

Table No (15) FIREFIGHTING – site work

Firefighting.

Project : Arabic and Islamic Science Institute
Jakarta, Indonesia

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Table No (15) FIREFIGHTING – site work

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------------|--|-------------|-------------|--------------------|---------------------|
| 15/16 | FIRE FIGHTING NETWORK | | | | |
| 15/16/1 | Gate valve UL/FM with all fittings inside inspection box as per Specifications | | | | |
| | Diameter 150 mm Rate USD..... | NO | 3 | | |
| | Diameter 100 mm Rate USD..... | NO | 7 | | |
| 15/16/2 | UPVC pipes Sch (80)/ Class 5. With all fittings As per NFPA & Civil Defence Requirements. | | | | |
| | Diameter 200 mm Rate USD..... | L.m | 6 | | |
| | Diameter 150 mm Rate USD..... | L.m | 510 | | |
| | Diameter 100 mm Rate USD..... | L.m | 155 | | |
| SUB-TOAL | | | | | |

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Table No (15) FIREFIGHTING – site work

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------------|--|------|------|-------------|--------------|
| 15/16/3 | Supply and Install firefighting system for the pumps room (sprinkler system, fire extinguishers ...). According to drawings. Rate USD..... | NO | 1 | | |
| 15/16/4 | Vertical fire hydrant UL/M 4” with all Fitting and accessories as per drawings and specifications Rate USD..... | NO | 7 | | |
| 15/16/5 | SUPPLY AND INSTALL FIRE WATER PUMP GROUP UL -FM APPROVED (DIESEL+ELECTRIC+JOCKY) including ALL VALVES (gate v-check v-alarm check valve-....) , supply,install,testing, control panel and commissioning .driving source with water pump (full set) of three types ACCORDIN to NFPA. ELECTRICAL PUMP 1000GPM&11BAR. JOCKY PUMP 100GPM&11.5 BAR. DEISEL PUMP 1000GPM&11BAR. | NO | 1 | | |
| 15/16/6 | Supply and install fire department connection (Siamese connection) UL/listed, complete with all accessories. | NO | 2 | | |
| SUB-TOAL | | | | | |

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Table No (15) FIREFIGHTING – site work

| ITEM NO | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|------------------|---|------|------|-------------|--------------|
| 15/16/7 | Supply and install Approved automatic (CO2) fire suppression system complete with charged cylinders , actuators , piping , nozzles , release panel , detectors , wiring , alarm device , and connection to main fire alarm panels , According to NFPA & CIVIL DEFENCE REQUIREMENTS. | | | | |
| | CO2 System 145kg.(Transformer room) Rate USD..... | NO | 1 | | |
| | CO2 System 215 kg.(Generator room) Rate USD..... | NO | 1 | | |
| | CO2 System 92 kg.(Meter room) Rate USD..... | NO | 1 | | |
| SUB-TOTAL | | | | | |

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Table No (15) FIREFIGHTING – site work

| Sub-Total.. | USD |
|--------------------|------------|
| Page No 1 | |
| Page No 2 | |
| Page No 3 | |
| Total.. | |

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BILL NO. : 16
PAGE NO. : 1 OF 6

WORK : ELECTRICAL SITE

ELECTRICAL

**Project : Arabic and Islamic Science Institute
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BILL NO. : 16
PAGE NO. : 2 OF 6

WORK : ELECTRICAL SITE

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|------|-------------|--------------|
| 16/1 | <p>Low Voltage Network Supply, install and test layout lighting panel boards of hard painted steel includes breakers, switches, measurement and indicating lamps, photocell, manual hand switches and all accessories to make the system operate, as in panel boards schedules and electrical dwgs. Supply, install photocell panel boards Type</p> | NO | 1 | | |
| 16/1/1 | Dp-layout, According to dwgs .and specs. Rate USD..... | | | | |
| 16/2 | <p>LOW VOLTAGE CABLE Supply, install and test Low voltage copper cables 0.6/1 KV XLPE/PVC includes all conduits, boxes, branches, accessories, fittings and/or in ground trenches, Manholes, all fixations to any structure and all civil works required to accomplish the work as per specs. and dwgs.</p> | | | | |
| 16/2/1 | (4x10)+10)mm2 Rate USD..... | L.m | 10 | | |
| 16/2/2 | 3x6mm2 Rate USD..... | L.m | 2365 | | |
| Sub-Total | | | | | |

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BILL NO. : 16
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WORK : ELECTRICAL SITE

| EM NO. | DESCRIPTION | UNIT | QTY . | UNIT PRICES | TOTAL AMOUNT |
|-----------|--|------|-------|-------------|--------------|
| 16/3 | Lighting Outlet Points | | | | |
| 16/3/1 | Supply, install and test 10m height street lighting pole with 2*125W M.H, IP 65 with power factor correction condenser according to dwgs. and spec. Rate USD..... | NO | 4 | | |
| 16/3/2 | Supply, install and test 10m height street lighting pole with 1*125W M.H, IP 65 with power factor correction condenser according to dwgs. and spec. Rate USD..... | NO | 14 | | |
| 16/3/3 | Triple spherical luminaire for gardens with 3x100 watt gloses MH lamp IP 65 with power factor correction condenser, According to dwgs. And Specs. Rate USD..... | NO | 2 | | |
| 16/3/4 | Cylindrical head bollard 3 m height 100W MH lamp watt lamp IP 65 with power factor correction condenser, According to dwgs. And Specs. Rate USD..... | NO | 7 | | |
| 16/3/5 | Bollard for gardens 1m hight with 100 watt MH lamp IP 65 with power factor correction condenser, According to dwgs. And Specs. Rate USD..... | NO | 40 | | |
| 16/3/6 | Enclinable ground recessed light post 80wattT HPS lamp IP 65 with power factor correction condenser, According to dwgs And Specs. Rate USD..... | NO | 6 | | |
| 16/3/7 | Spherical luminaire for fence with 50W HPS lamp IP 65 with power factor correction condenser, According to dwgs. And Specs. Rate USD..... | NO | 43 | | |
| Sub-Total | | | | | |

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WORK : ELECTRICAL SITE

| ITEM NO. | DESCRIPTION | UNIT | QTY. | UNIT PRICES | TOTAL AMOUNT |
|----------|---|------|------|-------------|--------------|
| 16/3/8 | A SURFACE MOUNTED FLOURESENT LUMINAIRE UNIT 220MMX1226MM, WITH 2X36 WATT LAMPS,T-26, 220V, 50 HZ, WITH OPAL DIFFUSER type (B13), According to dwgs. And Specs. Rate USD..... | NO | 4 | | |
| 16/3/9 | CIRCULAR SURFACE MOUNTED FLOURESENT LUMINAIRE UNIT DIAMETER 450 MM, WITH 1X40 WATT CIRCULAR LAMPS, 220V, 50 HZ, WITH OPAL DIFFUSER. type (B5), According to dwgs. And Specs. Rate USD..... | NO | 8 | | |
| 16/3/10 | A SURFACE MOUNTED FLOURESCENT LIGHTING FIXTURE, 2X36 WATT, T-26, LAMPS, LENGTH 1220 MM, 220 VOLT, 50 HZ WITH REINFORCED GLASS REFLECTOR FOR GARAGES AND WORKSHOPS.. type (B14), According to dwgs. And Specs. Rate USD..... | NO | 4 | | |
| 16/4 | Convenience Socket And Outlet Supply, install and test convenience socket wall mounted include ampere and voltage indication labels and outlet wiring complete with junction boxes, cable trays, pipes, wires and all accessories | | | | |
| 16/4/1 | 15A, 220V (P1+N+E) wall mounted socket Rate USD..... | NO | 4 | | |
| | Sub-Total | | | | |

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BILL NO. : 16
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WORK : ELECTRICAL SITE

| ITEM NO. | DESCRIPTION | UNIT | QT Y. | UNIT PRICES | TOTAL AMOUNT |
|----------|---|------|-------|-------------|--------------|
| 16/5 | Disconnect Switches Controlling the Machines Disconnect switch fusible type as shown in elect drawings with enclosure all supporting required with weather proof type protection (suitable I.P), includes all conduits, cable trays, cable tray branches, accessorie | | | | |
| 16/5/1 | Supply, install and test 1 phase disconnecting switch 5Amp.220V | NO | 6 | | |
| 16/6 | Telephone System | | | | |
| 16/6/1 | Supply, install and test telephone outlet point complete with wire of CAT5E inside (UPVC) pipes with suitable diameter including the outlet RJ-45 (wall mounted), Boxes and outlet Rate USD..... | NO | 4 | | |
| | | | | | |

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WORK : ELECTRICAL SITE

| Sub-Total | USD |
|---------------------|------------|
| TOTAL PAGE NO (1) | |
| TOTAL PAGE NO (2) | |
| TOTAL PAGE NO (3) | |
| TOTAL PAGE NO (3) | |
| TOTAL | |

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Work: Site Works

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| Sub-Total.. | USD |
|-------------------------|-----|
| | |
| CIVIL & ARCH | |
| PLUMBING | |
| FIREFIGHTING | |
| ELECTRICAL | |
| | |
| Total.. | |

Sub – Total to be copied to the resume Project

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| Sub-Total.. | USD |
|-------------------------------|------------|
| | |
| ACCOMMODATION BUILDING | |
| INSTITUTE BUILDING | |
| SITE WORKS | |
| | |
| Total.. | |