



DETAILED

Currency: US Dollars

Project No: **2013-25**
 Project Title: IEC Provincial Offices, Ware House
 Location: Kabul, Afghanistan

Contract No: **0**
 Contract Title: Warehouse
 Original Issue: 2013-April

Revision No.: 1

Pos.	Description of Work/Items	Unit	Quantity	Unit Cost	Total Cost
1. General					
	<u>1.1 Preliminaries</u>				
a	Pre-construction work, mobilisation activities including paper/ documentation tasks.	LS	1.00		-
b	Post construction works and clean up.	LS	1.00		-
	<u>1.2 General Requirements</u>				
a	Testing and Operation/Maintenance Manuals and insurance .	LS	1.00		-
	Subtotal General				-
2. Site					
	<u>2.3 Earthwork</u>				
a	Excavation (any soil type) for foundation. This item includes all excavations, disposal and temporary support or shoring if needed. See drawing and schedule for details. The volume given here is the net volume of excavated space based on dimensions shown on the drawing, NOT the bulk volume of disposing materials. The contractor is responsible for any unexpected increment in excavation. The contractor is also responsible for the demining of the under work area from any un-exploded ordinates or mines.	CU.M	392.00		-
b	Ground improvement under foundations. This includes supplying of filling materials and compacting the layers according to	CU.M	70.00		-
c	Soil backfilling around and in between the RCC foundations up to ground level and as well as the soil compacted filling over the	CU.M	250.00		-
d	Gravel backfilling as the base for warehouse ground floors as shown on the drawings. This includes supplying of needed	CU.M	60.00		-
	<u>2.4 Service Trenching</u>				
a	Excavation of trench for water, sewerage and electrical mains connections. See drawings and schedule for details. This includes disposal of materials if required.	Lin.M	50.00		-
b	Backfilling with compaction. This includes supplying and compaction of needed materials as per drawing and schedule. This also includes supply and laying of warning tape as per given detailed drawing.	Lin.M	50.00		-
	Subtotal Site				-
3. Structure					

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	<u>3.1 Concrete-General</u>				
	NOTE: Cost for concrete items in this section includes the concrete, reinforcement, shuttering, curing and all as required to the complete job.				
a	PCC lean concrete under all foundations. This includes any work to do the job. See drawings and Schedule for location, size and details.	CU.M	30.00		-
b	RCC Strip footings. This includes foundations and foundation beams of invert T-shape. See drawings and schedule for location, size and details.	CU.M	60.00		-
c	RCC Columns, (from +0.00 to +3.00).	CU.M	25.00		-
d	RCC Columns, (from +3.00 to +4.5).	CU.M	20.00		-
f	RCC Beams and Ring beams, (at +2.50).	CU.M	30.00		-
g	RCC Beams, (at +4.31)	CU.M	30.00		-
i	RCC Slab, ground floor (+0.00). This item includes the jointing and dowels in joint as per drawing and schedule.	CU.M	112.00		-
j	RCC Slab, (at +2.50).	CU.M	35.00		-
k	RCC enclosure for strong storage room.	CU.M	8.00		-
m	RCC staircases	CU.M	5.00		-
n	PCC Pavement, for all side walks and other pavements around the building as shown on the drawing and described on the schedules.	CU.M	20.00		-
o	PCC at the connection point of end wall and the vertical K-span sheeting. This includes the anchorage to the ring beams. See drawing and schedules.	CU.M	4.00		-
p	Stone Masonry open channel Both Sides (rain water collector/stream). This is to collect drain water from downpipes and direct it to the drainage system. It includes construction of surface drainage stream, supplying and installation of RCC covers, connections and any other work/item needed to complete the job as per detailed drawing and schedule.	Lin M	90.00		-
p	Stone Masonry for foundation. with mortar as per given detail . See schedule for details. and any other work/item needed to complete the job as per detailed drawing and schedule.	Lin M	90.00		-
	<u>3.2 Concrete Finishes</u>				
a	Broom finish, finish for side walks around building	SQ.M	150.00		-
	<u>3.3 Pre-cast RC Concrete</u>				
a	RCC lintels. This includes all lentils on doors/windows that do not come under the beams/ring beams.	CU.M	2.00		-
	<u>3.5 Brickwork</u>				
a	Second Class Brick masonry with mortar 350mm thick. Surface finish not included. See schedule for details.	SQ.M	475.00		-

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<u>3.7 Light Steelwork</u>					
	NOTE: The following steel items include painting according to the schedules and specifications for steel member painting for complete installation. See drawing for details.				
a	Hand rails fix to the stairs or fixed to the walls. This includes handrails and all other accessories and work required for complete making and installation.	Lin M	45.00		-
b	Embedded steel plates at uploaded platforms. This includes all other accessories and work required for complete making and installation.	Lin M	12.00		-
Subtotal Structure					-
4. Enclosure					
<u>4.1 Waterproofing</u>					
a	Polythene sheet , 10 mil (0.25mm or 1000 gauge) at ground floor level. See drawing and schedule for details.	SQ.M	500.00		-
b	Damp proof course (ISOGAM/or equivalent) beneath all brick walls.	SQ.M	65.00		-
c	Double layer bitumen membrane at the floor and walls of toilets, floors of kitchen. This includes preparation of base layers shown on the drawings. Refer to schedule for details.	SQ.M	120.00		-
<u>4.2 Roofing</u>					
<u>3.7 Light Steelwork</u>					
	NOTE: The following steel work items include gussets, fasteners, welding and all needed accessories and work for the complete installation of structures. Following items also include one coat anti-rust followed by 2 other coats of oil painting according to the schedules and specifications for steel member painting. See drawing for details.				
a	Steel purlin as the support of the folded metal, flat k-span roof. This is consist of C channel(120x53x4)mm . See drawing for details.	Lin M	435.00		-
b	Steel rafters installed on the RCC roof. This is the Steel Palet(300x300x10)mm See drawing for details.	No	30.00		-
c	Steel truss (TRUSS 1) as the support for folded metal roof.	No	12.00		-
f	Steel frame fixed ladder over the RCC roof as the access way to the folded metal roof. This includes opening pane, hardware and other accessories for complete installation as per drawing and schedule.	No	1.00		-

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a	K-span folded metal roofing. This includes all accessories required for installation of roof. This also includes the curved overhang at the front side of the building and its steel frame support and connections. See drawing and schedules for details.	SQ.M	800.00		-
b	K-span folded metal vertical walls. This includes all accessories required for installation of walls. See drawing and schedules for details.	SQ.M	80.00		-
<u>4.3 Windows and Window Hardware</u>					
	NOTE: Following windows are prefabricated windows. The work includes making, transportation, installation, hardware, glazing, insect screen, (security screens only for ground floor windows) and other accessories required for complete installation as per drawings and schedule.				
a	PVC frames window type (W1).	No	2.00		-
b	PVC frames window type (W2).	No	1.00		-
c	PVC frames window type (W3).	No	27.00		-
<u>4.4 Doors and Door Hardware</u>					
	NOTE: Following doors are prefabricated doors. The work includes making, transportation, installation, hardware, stopper, glazing, painting and finishes and other accessories required for complete installation as per drawings and schedule				
5. Inter	a Steel frame main Entrance Sliding Gate (D1).	No	2.00		-
	b Steel frame door windows (D2) for safe room .	No	2.00		-
<u>4.5 Glazing</u>					
a	Mirrors (40x60cm) at common toilets. This includes complete installation.	No	1.00		-
<u>4.7 Insulation and Vapour Barriers</u>					
a	Polystyrene closed cells rigid sheets as the thermal insulation below floor slab, at walls and RCC roof of the Cool Storage room. See drawing and schedule for more detail.	SQ.M	50.00		-
Subtotal enclosure					-
<u>5.5 Joinery</u>					
6. Fini	<u>5.6 Metalwork</u>				
b	Toilet roll holders. This also includes installation.	No	1.00		-
c	Soap dishes. This also includes installation.	No	1.00		-
<u>5.8 Fire Extinguishers and Blankets</u>					
a	Extinguishers powder-type (9kg). This includes security cabinet 700x700x300mm with lock and all other accessories needed for complete installation. See drawing and schedule for details.	No	6.00		-
Subtotal Interior					-

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	<u>6.1 Plastering</u>				
	Internal surfaces				
a	Cement render medium CRM as base coat suitable for gypsum render on all brick walls. See schedule for detail.	SQ.M	600.00		-
	External surfaces				
h	Cement render medium CRM for all walls, columns, beams and Strong Storage. See schedule for detail.	SQ.M	400.00		-
i	Cement render medium CRF for all walls, columns, beams and Strong Storage. See schedule for detail.	SQ.M	400.00		-
	<u>6.3 Tiling</u>				
c	Ceramic wall tiles for toilets and kitchen. This includes bed preparation, bedding and grout.	SQ.M	20.00		-
d	Ceramic floor tiles for toilets and kitchen. This includes bed preparation, bedding and grout.	SQ.M	15.00		-
	<u>6.6 Painting</u>				
	8. Water Serv Internal vertical surfaces				
a	Flat water based: Interior. See schedule for detail on this paint system	SQ.M	900.00		-
	Ceiling surfaces				
b	Flat water based: Interior. See schedule for detail on this paint system	SQ.M	150.00		-
	External wall surfaces				
c	Flat water based: Exterior. See schedule for detail on this paint system and for different colour names for different surfaces.	SQ.M	600.00		-
	Subtotal Finishes				-
	<u>8.1 Water Services</u>				
	Water supply piping				
	NOTE: The cost given for all GI and PVC pipes with diameter less than 60mm includes all required fittings, accessories and work for complete system installation.				
a	GI water supply pipe D=25mm, including fittings and installation.	Lin M	10.00		-
b	GI water supply pipe D=20mm, including fittings and installation.	Lin M	6.00		-
c	GI water supply pipe D=15mm, including fittings and installation.	Lin M	12.00		-
d	Water supply bronze Valve D=25mm, including fittings and installation.	No	1.00		-
e	Water supply bronze Valve D=20mm, including fittings and installation.	No	1.00		-
f	Water supply bronze Valve D=15mm, including fittings and installation.	No	2.00		-
g	Damp proof Insulation rubber tape for all GI Piping.	Lin M	45.00		-
h	Water supply inspection manhole less than 1200mm deep. This includes excavation and any needed work to make the manhole as per drawings and schedule.	No	1.00		-
	Sanitation Piping				
i	PVC pipe D=50mm, including fittings and installation.	Lin M	14.00		-

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j	PVC pipe D=100mm, including installation.	Lin M	23.00		-
k	PVC Elbow D=100, 45°, including supply and installation.	No	18.00		-
l	PVC Tee D=100x100, 45°, including supply and installation.	No	5.00		-
m	PVC Tee D=100x50, 45°, including supply and installation.	No	4.00		-
n	PVC Reducer D=100x50, including supply and installation.	No	2.00		-
o	PVC Eye inspection D=100mm, including supply and installation.	No	2.00		-
p	Sanitation pit less than 1200mm deep. This includes excavation and any needed work to make the manhole according to the drawings and schedules.	No	1.00		-
q	Sanitation grease trap less than 1200mm deep. This includes excavation and any needed work to make the manhole according to the drawings and schedules.	No	1.00		-
	Sanitary and other fixtures				
r	Eastern toilet, including supply, installation and accessories.	No	1.00		-
9. Elec s	Ceramic sink at toilets, including mixer and all accessories, supplying and installation.	No	1.00		-
t	Muslim shower, including supply, installation and accessories.	No	1.00		-
u	Floor trap D=50mm, including supply and installation.	No	3.00		-
v	Steel sink at kitchen including mixer and all accessories, supplying and installation.	No	1.00		-
w	Water tap D=15mm including accessories and installation.	No	1.00		-
x	Electrical water boiler with capacity of 50 Liter, including supply and installation.	No	1.00		-
	Subtotal Water Services				-
	9.1 Electrical Services				
	Switchboard and sub boards				
a	Main distribution panel 800x600x300mm (WxHxD), recessed mount	LS	1.00		
b	Mini busbar, 3x16mm ² , PVC Insulated	M	2.00		
c	DIN Rail.	M	2.00		
d	Copper busbar, 5x20mm	M	2.00		
e	Busbar connector, 2.5 - 6mm ²	M	1.00		
f	Busbar insulator, M10	LS	12.00		
g	Molded case air circuit breaker, 3x80Amps	LS	1.00		
h	Circuit breaker, MCCB, 1x25Amps, Type-C	LS	1.00		
i	Circuit breaker, MCCB, 1x20Amps, Type-C	LS	2.00		
j	Circuit breaker, MCCB, 1x16Amps, Type-C	LS	9.00		
k	Circuit breaker, MCCB, 1x10Amps, Type-C	LS	7.00		
l	Circuit breaker, GFI/RCCD, 1x16Amps, fault current capacity 150mAmps	LS	5.00		
	Distribution cabling				
m	5X50 mm ² cable PVC/PVC Insulated	Lin M	100.00		

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m	3X4mm2 cable PVC/PVC Insulated	Lin M	500.00		
n	3X2.5mm2 cable PVC/PVC Insulated	Lin M	200.00		
	Fittings				
o	Single pole/double pole or two way light switch 6Amps	No	9.00		
p	Single pole/double pole or two way light switch 20Amps	No	8.00		
r	2x36W ceiling/wall mounted fluorescent light, IP-40	No	14.00		
s	High bay HID Light fixture 250watt	No	10.00		
t	Wall mount HID Light fixture 150watt	No	7.00		
u	13 Amp double electrical outlet/socket, recessed mount	No	5.00		
v	25 Amp high power single electrical outlet/socket, recessed mount	No	1.00		
ah	U-Shape steel hanger for ceiling fan	LS	20.00		
ai	Ceiling mounted sweep fans, 56inch dia with dimmer switch	LS	20.00		
ak	Building grounding system as shown on the drawings.	LS	1.00		
	Labeling				
al	Cable circuit drawings, cable and switchboard labeling	LS	1.00		
Subtotal Electrical Services					-