

Construction works	Rehabilitation of Al-Rakhaa School in Ramadi
Company name	

No	Item	Description	Brand offered
A - 15	Ceramic for walls	Supply materials, labor force, and machinery to Clad the walls with ceramic tiles ITACA, ASHTI, ARGENTA, or equivalent using cement sand mortar with SBR with all necessary works according to instructions of site engineer. Price includes filling the joints with white Cement and ensure curing for all the applied Ceramics. Works of Ceramics should be leveled Horizontally and Vertically. All works should be dome according to the specifications and instructions of the supervising engineer.	
A - 16	Floor ceramic	Supply materials, labor force, and machinery to clad the floor with ceramic tiles (30*30) cm ITACA, ASHTI, ARGENTA, or equivalent, rough surface with all necessary works by a layer of sulphate resisting cement: sand mortar with mix ratio 1:3 according to instructions of site engineer. Price includes filling the joints with white cement and ensure curing for all the applied ceramics. Samples must be submitted by the construction company and approved by the supervising engineer prior to implementation.	
A - 19	Aluminum Partition	Supply materials, labore force, and machinery to install aluminum partition of ASSISTAL, AMCO, ALUMEX, or equivalent, with dimensions of (3.25*2.15) M using heavy aluminum section of 7.5 CM with 1.6 mm thickness with full panel lambrin, the brand used should be submitted and approved by the supervisor engineer prior to implementation. The price includes installation of aluminum door with the same specifications with dimensions of (1*2.1) with all requirements to accomplish the work as per the instructions of supervisor engineer.	

<p>D - 1</p>	<p>13 A Socket</p>	<p>Supply, connect and operate electrical switch socket of Nextlite, MK, Legrand, or equivalent with the following specifications:</p> <ul style="list-style-type: none"> - Rated current: 13 A at 250 V AC - Outlet poles configuration: 2P + E <ul style="list-style-type: none"> - 1 gang - Clamping connection capacity: 3 x 2.5 mm² / 2 x 4 mm² <ul style="list-style-type: none"> - Warranty: 25 Years - no visible screws - Environmental characteristic: Indoor use <p>connection should be done using single copper wires (3x2.5) mm², price includes pulling wires inside the PVC conduits or by demolishing and repairing the wall and connecting it to the distribution board with all installation and connection accessories. All works should be done according to the drawings and the instructions of the supervising engineer. Samples must be submitted by the construction company and approved by the supervising engineer prior to implementation.</p>	
<p>D - 2</p>	<p>15 A Socket</p>	<p>Supply, connect and operate electrical switch socket of Nextlite, MK, Legrand, or equivalent with the following specifications:</p> <ul style="list-style-type: none"> - Rated current: 15 A at 250 V AC - Outlet poles configuration: 2P + E <ul style="list-style-type: none"> - 1 gang - Clamping connection capacity: 2.5 mm² <ul style="list-style-type: none"> - Warranty: 25 Years - Standards: SS 145 - MS 589 - BS 1362-2 <ul style="list-style-type: none"> - no visible screws - Environmental characteristic: Indoor use <p>connection should be done using single copper wires (3x4) mm², price includes pulling wires inside the PVC conduits and or by demolishing and repairing the wall connecting it to the distribution board with all installation and connection accessories. All works should be done according to the drawings and the instructions of the supervising engineer. Samples must be submitted by the construction company and approved by the supervising engineer prior to implementation.</p>	

<p>D - 3</p>	<p>45 A Switch</p>	<p>Supply, connect and operate electrical switch of Nextlite, MK, Legrand, or equivalent with the following specifications:</p> <ul style="list-style-type: none"> - Rated current: 45 A at 250 V AC - Switch function: 2-pole 1-way <ul style="list-style-type: none"> - 1 gang 1 rocker - Clamping connection capacity: 4 x 4 mm² - 1 x 10 mm² - 1 x 16 mm² (for stranded cables) <ul style="list-style-type: none"> - Warranty: 25 years - IP degree of protection: IP20 <ul style="list-style-type: none"> - Brass terminals - Standards: BS EN 60669-1 / SS 227-1 / IEC 60669-1 / MS IEC 60669-1 <ul style="list-style-type: none"> - no visible screws <p>connection should be done using single copper wires (3x4) mm², price includes pulling wires inside the PVC conduits and or by demolishing and repairing the wall connecting it to the distribution board with all installation and connection accessories. All works should be done according to the drawings and the instructions of the supervising engineer. Samples must be submitted by the construction company and approved by the supervising engineer prior to implementation.</p>	
<p>D - 4</p>	<p>LED light 36 Watts</p>	<p>Supply, connect and operate 36 Watts LED light Nextlite, Dulight, Fillips, or equivalent with the following specifications:</p> <ul style="list-style-type: none"> - Shape: Circular - Light Size: 225*45 mm - Voltage Range and Frequency: 200-240 V, 50-60 Hz - IP degree of protection: IP20 <ul style="list-style-type: none"> - Power Factor: min 0.6 - CRI: min 80 - Lumen: 100 LM/W - Beam Angle: 120 - Warranty: Minimum Three years <p>connection should be done using single copper wires (3x2.5) mm², price includes pulling wires inside the PVC conduits or by demolishing and repairing the wall and connecting it to the distribution board, with gang socket, with all installation and connection accessories. All works should be done according to</p>	

		the drawings and the instructions of the supervising engineer. Samples must be submitted by the construction company and approved by the supervising engineer prior to implementation.	
D - 5	LED Waterproof light 20 Watts	<p>"Supply, connect and operate 20 Watts LED waterproof light Nextlite, Dulight, Fillips, or equivalent with the following specifications:</p> <ul style="list-style-type: none"> - Shape: Circular - Light Size: 225*45 mm - Voltage Range and Frequency: 200-240 V, 50-60 Hz - IP degree of protection: IP20 - Power Factor: min 0.6 - CRI: min 80 - Lumen: 100 LM/W - Beam Angle: 145 - Warranty: Minimum Two years <p>connection should be done using single copper wires (3x2.5) mm², price includes pulling wires inside the PVC conduits or by demolishing and repairing the wall and connecting it to the distribution board, with gang socket, with all installation and connection accessories. All works should be done according to the drawings and the instructions of the supervising engineer. Samples must be submitted by the construction company and approved by the supervising engineer prior to implementation."</p>	
D - 8	Sub-Distribution board 12 lines	Supply materials and labor force to install Sub-Distribution board 12 lines ABB, Schneider, Legrand, or equivalent. The board should include circuit breakers and three phase changeover/conductors with capacity 200 using cable 4*35 mm ² for connections between main board and Sub-Distribution boards, insulators, switches etc., all items should be arranged properly, affords a high degree of safety operation, with all requirements to accomplish the work as per the instructions of supervisor engineer.	

<p>D - 10</p>	<p>Water heater</p>	<p>Supply, install, connect, and operate storage type automatic wall mounted electric water heater American Heaters, HEATEX, RAHEEM, or equivalent with the following specifications:</p> <ul style="list-style-type: none"> - 3 mm Thickness Plate - Double Foam Insulation - Rated Capacity: 16 US Gallon - Rated Power: 2500 Watts - Rated Voltage: 220-240V, 50*60 Hz - Rated Pressure: 08 MPa - Ingress water Protection: IPX1 <p>Price includes connecting to the switches using copper wires (3x4) mm² according to the instructions of the supervising engineer, all necessary water pipes, safety valves, 45 A socket, and shut valves for warm and cold water. The heater should be fixed according to the instruction and location selected by the supervising engineer. Samples must be submitted by the construction company and approved by the supervising engineer prior to implementation.</p>	
<p>D - 11</p>	<p>Water heater</p>	<p>"Supply, install, connect, and operate storage type automatic wall mounted electric water heater American Heaters, HEATEX, RAHEEM, or equivalent with the following specifications:</p> <ul style="list-style-type: none"> - 3 mm Thickness Plate - Double Foam Insulation - Rated Capacity: 30 US Gallon - Rated Power: 3000 Watts - Rated Voltage: 220-240V, 50*60 Hz - Rated Pressure: 08 MPa - Ingress water Protection: IPX1 <p>Price includes connecting to the switches using copper wires (3x4) mm² according to the instructions of the supervising engineer, all necessary water pipes, safety valves, 45 A socket, and shut valves for warm and cold water. The heater should be fixed according to the instruction and location selected by the supervising engineer. Samples must be submitted by the construction company and approved by the supervising engineer prior to implementation.</p>	

<p>D - 17</p>	<p>AC 2 Ton</p>	<p>Supply, install, connect, and check split type air conditioner, wall mounted GE, TOSOT, GREE, or equivalent with the following specifications:</p> <ul style="list-style-type: none"> - Cooling and Heating Capacity: 24000 BTU - T3 Class inverter compressor ampere controller <ul style="list-style-type: none"> - Gas type: R410 - Self-cleaning function, turbo button, multi fan speed, LED display, and intelligent defrosting <ul style="list-style-type: none"> - Indoor Noise Level: 32 dBA High/Low - Outdoor Noise Level: 55 dBA High/Low - Ampere Levels: 9.5A, 6.5A, and 4.5A - WiFi -Warranty Period: Minimum One year <p>Price includes fixing 1" diameter PVC or PPR pipes inside the walls for AC condensate dewatering and connecting it to the nearest sewer, connecting the AC to the switches using single copper wires 3x4 mm² using PVC pipes, and an electrical protection device. All works should be done according to the instructions of the supervising engineer. Sample must be submitted by the construction company and approved by the supervising engineer prior to implementation.</p>	
<p>D - 18</p>	<p>AC 3 Ton</p>	<p>Supply, install, connect, and check split type air conditioner, wall mounted GE, TOSOT, GREE, or equivalent with the following specifications:</p> <ul style="list-style-type: none"> - Cooling and Heating Capacity: 36000 BTU - T3 Class inverter compressor ampere controller <ul style="list-style-type: none"> - Gas type: R410 - Self-cleaning function, turbo button, multi fan speed, LED display, and intelligent defrosting <ul style="list-style-type: none"> - Sound Pressure Level: 50 dBA -Warranty Period: Minimum One year <p>Price includes fixing 1" diameter PVC or PPR pipes inside the walls for AC condensate dewatering and connecting it to the nearest sewer, connecting the AC to the switches using single copper wires 3x4 mm² using PVC pipes, and an electrical protection device. All works should be done according to the</p>	

Materials' technical specifications

		instructions of the supervising engineer. Sample must be submitted by the construction company and approved by the supervising engineer prior to implementation.	
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Notes:

- 1- Bidders must submit origin of manufacture for all materials in the above list.
- 2- Bidders must submit brand with full product name and model number (ex: Schneider ComPact NSX100F) (when applicable)
- 3- Bidders must submit all catalogues, photos of nameplates-datasheet and products boxes information, in addition to providing certificates of warranty periods, especially for electrical products (when applicable)
- 4- Samples should be provided by the bidders for physical checking (upon request of GIZ). In case of awarding, the samples will be kept in GIZ storage and released back to the company after completion of works.

Signature	
Date	
Name	
Company's stamp	