

# REQUEST FOR QUOTATION (RFQ)

RFQ Reference: 4200622824

Date: 14 February 2024

## **SECTION 1: REQUEST FOR QUOTATION (RFQ) for the provision of Rehabilitation Of LBG Training Centre - Tripoli**

International Organization for Migration (IOM) kindly requests your quotation for the provision of works and attached detailed Annex 1 (BOQ or Scope of Works, Tech specs and drawings).

This Request for Quotation comprises the following documents:

Section 1: This request letter

Section 2: RFQ Instructions and Dates Annex 1: Schedule of Requirements

Annex 2: Quotation Submission Form Annex 3: Technical and Financial Offer

Annex 4: CONDITIONS OF CONTRACT AND CONTRACT FORMS

When preparing your quotation, please be guided by the RFQ Instructions and Data. Please note that quotations must be submitted using Annex 2: Quotation Submission Form and Annex 3 Technical and

Financial Offer, by the method and by the date and time indicated. It is your responsibility to ensure that your quotation is submitted on or before the deadline. Quotations received after the submission deadline, for whatever reason, will not be considered for evaluation.

Site Visit: on 25/02/2024 at 11:00AM. The site visit is mandatory and failure to attend will be ground for disqualification and for any technical queries, please get in touch with Engineers:

- 1- Eng. Tahir Said EMAIL: [tsaeid@iom.int](mailto:tsaeid@iom.int) PHONE: 092-6169144
- 2- Eng. Ali Abdelmulla Email: [aabdelmola@iom.int](mailto:aabdelmola@iom.int) Phone: 0913747118

Thank you and we look forward to receiving your quotations.

IOM Libya Procurement

## SECTION 2: RFQ INSTRUCTIONS AND DATA

<b>Deadline for the Submission of Quotation</b>	03 March 2024 If any doubt exists as to the time zone in which the quotation should be submitted, refer to <a href="http://www.timeanddate.com/worldclock/">http://www.timeanddate.com/worldclock/</a> .
<b>Method of Submission</b>	<p>Quotations must be submitted as follows:</p> <p><input type="checkbox"/> E-tendering</p> <p><input checked="" type="checkbox"/> Email</p> <p><input type="checkbox"/> Courier / Hand delivery</p> <p><input type="checkbox"/> Other</p> <p>Bid submission address: iomlibyaproposal@iom.int</p> <ul style="list-style-type: none"> <li>▪ File Format: PDF</li> <li>▪ File names must be maximum 60 characters long and must not contain any letter or special character other than from Latin alphabet/keyboard.</li> <li>▪ All files must be free of viruses and not corrupted.</li> <li>▪ Max. File Size per transmission: 25MB</li> <li>▪ Mandatory subject of email: 4200622824 "Company name"</li> <li>▪ Multiple emails must be clearly identified by indicating in the subject line "email no. X of Y", and the final "email no. Y of Y."</li> <li>▪ It is recommended that the entire Quotation be consolidated into as few attachments as possible.</li> <li>▪ The proposer should receive an email acknowledging email receipt.</li> </ul>
<b>Cost of preparation of quotation</b>	IOM shall not be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.
<b>Supplier Code of Conduct</b>	All prospective suppliers must read the UN Supplier Code of Conduct and acknowledge that it provides the minimum standards expected of suppliers to the UN. The Code of Conduct, which includes principles on labour, human rights, environment and ethical conduct may be found at: <a href="http://ungm.org">Supplier Code of Conduct (ungm.org)</a> .
<b>Conflict of Interest</b>	UN encourages every prospective Supplier to avoid and prevent conflicts of interest, by disclosing to UN if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ.
<b>General Conditions of Contract</b>	Any Purchase Order or contract that will be issued as a result of this RFQ shall be subject to the IOM General Conditions of Contract for provision of goods/services/transportation/medical services available at <a href="https://www.iom.int/do-business-us-procurement">https://www.iom.int/do-business-us-procurement</a> .
<b>Eligibility</b>	Bidders shall have the legal capacity to enter into a binding contract with IOM and to deliver in the country, or through an authorized representative.
<b>Currency of Quotation</b>	Quotations shall be quoted in USD
<b>Duties and taxes</b>	<p>The International Organization for Migration is exempt from all direct taxes, except charges for public utility services, and is exempt from customs restrictions, duties, and charges of a similar nature in respect of articles imported or exported for its official use. All quotations shall be submitted net of any direct taxes and any other taxes and duties, unless otherwise specified below:</p> <p>All prices shall:</p> <p><input type="checkbox"/> be inclusive of VAT and other applicable indirect taxes</p> <p><input checked="" type="checkbox"/> be exclusive of VAT and other applicable indirect taxes</p>
<b>Language of quotation and documentation including</b>	English

<b>catalogues, instructions, and operating manuals</b>	
<b>Documents to be submitted</b>	Bidders shall include the following documents in their quotation: <input checked="" type="checkbox"/> Annex 2: Quotation Submission Form duly completed and signed <input checked="" type="checkbox"/> Annex 3: Technical and Financial Offer duly completed and signed and in accordance with the Schedule of Requirements in Annex 1 <input type="checkbox"/> Other
<b>Quotation validity period</b>	Quotations shall remain valid for 60 days from the deadline for the Submission of Quotation.
<b>Price variation</b>	No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted at any time during the validity of the quotation after the quotation has been received.
<b>Partial Quotes</b>	<input checked="" type="checkbox"/> Not permitted <input type="checkbox"/> Permitted
<b>Payment Terms</b>	<input type="checkbox"/> 100% within 30 days after receipt of goods, works and/or services and submission of payment documentation. <input checked="" type="checkbox"/> Other 95% after project completion with 5% retention for 3 months
<b>Contact Person for correspondence, notifications and clarifications</b>	Focal Person: IOM LIBYA PROCUREMENT E-mail address: iomlibyaproposal@iom.int.
<b>Clarifications</b>	Requests for clarification from bidders will not be accepted any later than 2 days before the submission deadline. Responses to request for clarification will be communicated via email by 29 February 2024
<b>Evaluation method</b>	<input checked="" type="checkbox"/> The contract will be awarded to the lowest price substantially compliant offer <input type="checkbox"/> Other <a href="#">Click or tap here to enter text.</a>
<b>Evaluation criteria</b>	<input checked="" type="checkbox"/> Full compliance with all requirements as specified in Annex 1 <input checked="" type="checkbox"/> Full acceptance of the General Conditions of Contract <input type="checkbox"/> Comprehensiveness of after-sales services <input checked="" type="checkbox"/> Earliest Delivery /shortest lead time. <input type="checkbox"/> Others (for ex, environmental criteria/considerations, etc)
<b>Right not to accept any quotation</b>	IOM is not bound to accept any quotation, nor award a contract or Purchase Order
<b>Right to vary requirement at time of award</b>	At the time of award of Contract or Purchase Order, IOM reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum 25% of the total offer, without any change in the unit price or other terms and conditions.
<b>Type of Contract to be awarded</b>	Construction service agreement
<b>Expected date for contract award.</b>	30 March 2024
<b>Policies and procedures</b>	This RFQ is conducted in accordance with Policies and Procedures of IOM
<b>UNGM registration</b>	IOM is encouraging all suppliers to register at the United Nations Global Marketplace (UNGM) website at <a href="http://www.ungm.org">www.ungm.org</a> . The Bidder may still submit a quotation even if not registered with the UNGM, however, if the Bidder is selected for Contract award of USD 100,000 and above, the Bidder is recommended to register on the UNGM prior to contract signature. For vendors who do not have the technical means to register in UNGM, the UNGM has implemented an assisted vendor registration functionality that allows IOM procurement personnel to add local vendors to the UNGM.

## ANNEX 1: SCHEDULE OF REQUIREMENTS

### Technical Specifications for Works:

Mandatory site visit on 11/September/2023			
Item No	Minimum Technical Requirements	Unit	Quantity
1	Demolition, removal and paving as per BOQ lines 1 to 1.4	L.S	1
2	Concrete works as per BOQ lines 2 to 2.1	L.S	1
3	Civil Works as per BOQ lines 3 to 3.15	L.S	1
4	Developing the main entrance and front façade as per BOQ lines 4 to 4.5	L.S	1
5	sanitary works as per BOQ lines 5 to 5.12	L.S	1
6	carpentry work as per BOQ lines 6 to 6.3	L.S	1
7	P.V.C Works as per BOQ lines 7 to 7.6	L.S	1
8	PS Works as per BOQ lines 8 to 8.2	L.S	1
9	Metal Works as per BOQ lines 9 to 9.3	L.S	1
10	Painting Works as per BOQ lines 10 to 10.1	L.S	1
11	Safety works as per BOQ lines 11 to 11.1	L.S	1
12	Electrical works as per BOQ lines 12 to 12.11.1	L.S	1
13	AIR CONDITIONER UNITS: as per BOQ lines 13 to 13.1	L.S	1
14	External Works as per BOQ lines 14 to 41.6	L.S	1



## Delivery Requirements

Delivery Requirements	
Delivery date and time	Bidder shall deliver the work based on the delivery schedule provided After Contract signature.
Delivery Terms (INCOTERMS 2020)	DAP – Delivered at place
Customs clearance (must be linked to INCOTERM)	<input checked="" type="checkbox"/> Not applicable Shall be done by: <input type="checkbox"/> Name of organisation <input type="checkbox"/> Supplier/bidder <input type="checkbox"/> Freight Forwarder
Exact Address(es) of Delivery Location(s)	<b>LBG Training Centre Tripoli - Libya</b>
Distribution of shipping documents (if using freight forwarder)	N/A
Packing Requirements	N/A
Training on Operations and Maintenance	N/A
Warranty Period	All equipment shall have 1-year warranty
After-sales service and local service support requirements	N/A
Preferred Mode of Transport	Land
Other information	Contractors should provide their experience in drilling water wells is mandatory and that they are a registered construction and drilling company.

## ANNEX 2: QUOTATION SUBMISSION FORM

*Bidders are requested to complete this form, including the Company Profile and Bidder's Declaration, sign it and return it as part of their quotation along with Annex 3: Technical and Financial Offer. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.*

Name of Bidder:		
RFQ reference:	4200622824	Date:

**Please fill sign and stamp the attached form**

### BIDDER'S DECLARATION OF CONFORMITY<sup>1</sup>

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I hereby represent and warrant that neither the Supplier, nor any person having powers of representation, decision-making or control over it or any member of its administrative, management or supervisory body, has been the subject of a final judgement or final administrative decision for one of the following reasons: bankruptcy, insolvency or winding-up procedures; breach of obligations relating to the payment of taxes or social security contributions; grave professional misconduct, including misrepresentation, fraud; corruption; conduct related to a criminal organisation; money laundering or terrorist financing; terrorist offences or offences linked to terrorist activities; child labour and other trafficking in human beings, any discriminatory or exploitative practice, or any practice that is inconsistent with the rights set forth in the Convention on the Rights of the Child or other prohibited practices; irregularity; creating or being a shell company.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier is financially sound and duly licensed.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier has adequate human resources, equipment, competence, expertise and skills necessary to complete the contract fully and satisfactorily, within the stipulated completion period and in accordance with the relevant terms and conditions.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier complies with all applicable laws, ordinances, rules and regulations.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier will in all circumstances act in the best interests of IOM.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that no official of IOM or any third party has received from, will be offered by, or will receive from the Supplier any direct or indirect benefit arising from the contract.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier has not misrepresented or concealed any material facts during the contracting process.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier will respect the legal status, privileges and immunities of IOM as an intergovernmental organization.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that neither the Supplier nor any persons having powers of representation, decision-making or control over the Supplier or any member of its administrative, management or supervisory body are included in the most recent Consolidated United

<sup>1</sup> This form is mandatory to fill in and sign by every vendor who submits quotation

Yes	No	
		Nations Security Council Sanctions List (the “UN Sanctions List”) or are the subject of any sanctions or other temporary suspension. The Supplier will immediately disclose to IOM if it or they become subject to any sanction or temporary suspension.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier does not employ, provide resources to, support, contract or otherwise deal with any person, entity or other group associated with terrorism as per the UN Sanctions List and any other applicable anti-terrorism legislation.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that, the Supplier will apply the highest ethical standards, the principles of efficiency and economy, equal opportunity, open competition and transparency, and will avoid any conflict of interest.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I further represent and warrant that the Supplier undertakes to comply with the Code of Conduct, available at <a href="https://www.ungm.org/Public/CodeOfConduct">https://www.ungm.org/Public/CodeOfConduct</a> .
<input type="checkbox"/>	<input type="checkbox"/>	It is the responsibility of the Supplier to inform IOM immediately of any change to the information provided in this Declaration.
<input type="checkbox"/>	<input type="checkbox"/>	On behalf of the Supplier, I certify that I am duly authorized to sign this Declaration and on behalf of the Supplier I agree to abide by the terms of this Declaration for the duration of any contract entered into between the Supplier and IOM.
<input type="checkbox"/>	<input type="checkbox"/>	IOM reserves the right to terminate any contract between IOM and the Supplier, with immediate effect and without liability, in the event of any misrepresentation made by the Supplier in this Declaration.

Signature: \_\_\_\_\_

Name:

Title:

Date:

Please fill sign and stamp the attached form



## VENDOR INFORMATION SHEET

Vendor No. \_\_\_\_\_  
Internal to IOM

Registered Vendor Name\*: \_\_\_\_\_

Other Names/Acronyms

Address\*

House No  
Street Name  
ZIP/Postal Code\*  
City\*  
Region\*  
Country\*

Contact Information

Company Tel/Mobile: \_\_\_\_\_ Contact Person: \_\_\_\_\_  
Company Email: \_\_\_\_\_ Contact Person Position: \_\_\_\_\_  
Company Website: \_\_\_\_\_

Industry Category\*: 0100 - Commercial Vendors 0500 - International Organizations - Non-UN  
0200 - National CSOs 0600 - UN entities  
0300 - National Government Entities 0005 - Individual Consultant/Non-Staff  
0400 - International CSOs

Business Type\*: Direct Producer/Manufacturing  
Reseller/Distributor/Service Provider

### Notes

All fields marked with \* are mandatory. The form may be returned if mandatory fields are missing/incorrect or in the wrong format (esp. Zipcode).

Vendor Name - should match IDs or registration documents.

If there is insufficient space, please use the Other Information section

Provide Services/Goods Internationally\* Yes No  
Disability-inclusive\* Yes Not applicable  
Women-owned/controlled\* At least 51% women-owned/controlled  
Less than 51% women-owned/controlled  
Not applicable

Product Categories (check all applicable)\*

Agriculture, Livestock and Fisheries	Fuels and Derivatives	Legal and Investigation	Power Supply and Electric
Chemicals	Furniture	Logistics and Warehousing	Quality Control and Environment
Clothing and Luggage	Hospitality, Events	Media and Printing	Security
Construction	Insurances	Medical, Drugs and Pharma	Social and Humanitarian Services
Consultancy and Contracted Services	IT and Communications	NFIs - Household and Camps	Tickets
Finance and Administration	Land and Buildings	Office Equipment and Supply	Tools and Machinery
Food and Beverage	Learning, Training and Recreation	Personal Care	Vehicles and Accessories

UNGM No. \_\_\_\_\_

UN Partner Portal Reference \_\_\_\_\_

Registration Date \_\_\_\_\_

<https://www.ungm.org/UNUser/Home>

<https://www.unpartnerportal.org>

Main Country of Operations (dd-mm-yyyy)

Licensing Auth./Type \_\_\_\_\_ License No.: \_\_\_\_\_ Reg. Date: \_\_\_\_\_ Expiry Date: \_\_\_\_\_  
For additional licenses, please use the Other Information Section dd-mm-yyyy dd-mm-yyyy

Partner Entities (indicate if there are other relevant business partner accounts already registered in IOM. Format: Account Number-Name)

Same entity registered in another office

Parent company \_\_\_\_\_

Subsidiaries/Branches \_\_\_\_\_

Other Information:



### ANNEX 3: TECHNICAL AND FINANCIAL OFFER - WORKS

Bidders are requested to complete this form, sign it and return it as part of their quotation along with Annex 2 Quotation Submission Form. The Bidder shall fill in this form in accordance with the instructions indicated. No alterations to its format shall be permitted and no substitutions shall be accepted.

Name of Bidder:		
RFQ reference:	4200622824	Date:

#### Technical Offer

Provide the following:

- a brief description of your qualification and capacity that is relevant to the Scope of Works;
- a brief method statement and implementation plan;
- team composition and CVs of key personnel

**Financial Offer to be submitted with the below format and according to the BOQ.**

Item/ lot	Description	Qty	Currency: USD	
			Unit price USD	Total price USD
1.	construction Demolition, removal and paving (Service) 1 to 1.4 As per quantities on attached BOQ	1		
2	construction (Service) Concrete works 2 to 2.1 As per quantities on attached BOQ	1		
3	Civil Works 3 to 3.15 As per quantities on attached BOQ	1		
4	Supply and installation of cement board to be attached to the external walls 4 to 4.5 As per quantities on attached BOQ	1		
5	Sanitary works 5 to 5.12 As per quantities on attached BOQ	1		
6	Carpentry work 6 to 6.3 As per quantities on attached BOQ	1		
7	P.V.C Works 7 to 7.6 As per quantities on attached BOQ	1		
8	PS Works 8 to 8.2 As per quantities on attached BOQ	1		
9	Metal Works 9 to 9.3 As per quantities on attached BOQ	1		
10	Painting Works 10 to 10.1 As per quantities on attached BOQ	2900		
11	Safety works 11 to 11.1 As per quantities on attached BOQ	10		
12	Electrical works 12 to 12.5.2 As per quantities on attached BOQ	1		
13	ELECTRICAL WATER HEATER: Supply, install, testing and commissioning of complete AC power supply 230V, 50Hz, for Electrical Water Heater Including cable 3x4mm <sup>2</sup> , Single phase socket outlet, conduits, boxes and all related accessories." 80 Litter	12		
14	ELECTRICAL WATER HEATER: Supply, install, testing and commissioning of complete AC power supply 230V, 50Hz, for Electrical Water Heater Including cable 3x4mm <sup>2</sup> , Single phase socket outlet, conduits, boxes and all related accessories." 50 Litter	8		
15	LIGHTING CIRCUITS 12.8.1 to 12.8.2.9 As per quantities on attached BOQ	1		
16	EARTHING A SYSTEM 12.9 to 12.9.1 As per quantities on attached BOQ	1		
17	SAT. SYSTEM 12.10 to 12.10.1 As per quantities on attached BOQ	1		

18	Supply, installation testing of ceiling mounted Projector with Display board. (Resolution 1024X768 Brightness 2500 ANS lumens, Aspect ratio 4:3 XGA Video modes: 720p, 1080i, 1080p/60, 525i, 525p, 576i, 576p, 625i, 625p, 480p, 480i, Lamp life:5,000 hours / 6,000 hours (Eco) , Manual focus/zoom, Including projector Folding screen 2,5X2,5 m."	10		
19	AIR CONDITIONER UNIT Supply, install, testing and commissioning of complete 18,000 btu Split unit Air Conditioner, auto swing, auto Restart, Clear LED Display, R410A Environment Friendly Refrigerant, Climatic Condition: T3 and Power Supply: 1 Phase 220V, 50Hz and all necessary including copper wires, 3x4mm <sup>2</sup> , gas pipes, drainage pipes and support bracket for outdoor units to complete the work according the drawings and the instruction of supervisor engineer.	29		
20	EXHAUST FANS Supply, installation, testing and operation of complete fresh/exhaust air ventilation system to the toilets, includes Ceiling mounted exhaust fans, cable size 3x2.5sqmm and all the missing parts of the system to operate this item	6		
21	External Works 14.1 to 14.9 As per quantities on attached BOQ	1		
<b>Total Price of Services</b>				

#### Compliance with Requirements

	You Responses		
	Yes, we will comply	No, we cannot comply	If you cannot comply, pls. indicate counter proposal
Delivery Lead Time	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Validity of Quotation	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Payment terms	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.
Other requirements <i>[pls. specify]</i>	<input type="checkbox"/>	<input type="checkbox"/>	Click or tap here to enter text.

I, the undersigned, certify that I am duly authorized to sign this quotation and bind the company below in event that the quotation is accepted.	
<i>Exact name and address of company</i> Company Name Click or tap here to enter text. Address: Click or tap here to enter text. Click or tap here to enter text.	Authorized Signature: Date: Click or tap here to enter text. Name: Click or tap here to enter text. Functional Title of Authorised



## Code of Conduct for Suppliers

Global Procurement and Supply Unit  
Manila Administrative Centre, Manila Philippines

IOM is strongly committed in observing the highest ethical standards in all its procurement activities. As such, this Code of Conduct for Suppliers has been prepared to provide clear summary of IOM's expectation from the suppliers in all procurement dealings, ensuring that internationally recognized procurement ethics are followed. Transparency and accountability should be strictly adhered to in all procurement activities.

IOM procurement ethics focuses on **zero tolerance on corruption, avoiding any form conflict of interest and honest representation of supplier's capabilities.**

Suppliers are strongly urged to familiarize themselves with this Code of Conduct to ensure successful working relations with IOM.

### Policy on Corruption and Position on Conflict of Interest

IOM expects all contracted suppliers and companies seeking to sell goods or services to conduct their business in accordance with the highest ethical standards. Suppliers or potential suppliers must strictly comply with all rules and regulations on bribery, corruption and avoid unacceptable business practices. Hence suppliers are expected to observe the following:

- Shall not, directly or indirectly, offer to any IOM Staff money, goods or a service as a consideration or in expectation of a favorable decision, information, opinion, recommendation, vote or any other form of favoritism which qualifies as a corruption;
- Shall not directly or indirectly, offer, give or agree or promise to give to any IOM staff any gratuity for the benefit of/or at the direction or request of any Staff of IOM;
- To immediately inform the IOM Head of Office in the event that any Staff of IOM solicits or obtained or has made an attempt to obtain gratification for himself/herself or for any other persons.
- To immediately declare if any of the Company's staff and/or officers had or have any relative employed with IOM. Failure to make such declaration shall be construed as a conflict of interest and might result in the exclusion of the supplier from present and future procurement activities and/or other legal action as deemed fit by the Organization.

### Representation from Suppliers

IOM expects all its suppliers to honestly declare and warrant that:

- It will comply with all rules, regulations and statutory requirements relating to the provision of the products/ services to IOM;
- It will not act in concert with other suppliers or agents when participating in a bid;





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Global Procurement and Supply Unit  
Manila Administrative Centre, Manila Philippines

- It is a duly authorized/certified provider of the supplied products/services and shall not, expressly or impliedly hold itself out to be an agent/representative of a third party provider of the same products/services;
- It will only supply products that are certified to be of merchantable and satisfactory quality;
- The supplier possesses the necessary capabilities, equipment and suitable place of business to perform its obligations;
- It shall not contract out or subcontract or outsource any portion of the products/services unless prior written consent from IOM has been obtained; and
- It shall maintain the highest standards of integrity and quality of work at all times.

### Applicability of the Code of Conduct

This Code of Conduct shall apply to all Suppliers, sub-contractors and to other entities acting on behalf of them (with approval of IOM).

### Monitoring compliance to the Code of Conduct

To facilitate the monitoring of suppliers' compliance with this Code of Conduct, IOM expects suppliers to:

- Develop and maintain all necessary documentation to support compliance with the described standards; such documentation must be accurate and complete;
- Provide IOM's representatives with access to relevant records, upon IOM's request;
- Allow IOM's representatives to conduct interviews with the supplier's employees and with management separately;
- Allow IOM's representatives to conduct announced and unannounced site visits of supplier locations; and
- Respond promptly to reasonable inquiries from IOM's representatives in relation to the implementation of the Code of Conduct.

### Secure Communication Channels

IOM has established a secure communication channel to enable the suppliers to raise their concerns confidentially and responsibly. If the supplier has questions about the Code of Conduct or wishes to report a questionable behavior or possible violation of the Code of Conduct, the Supplier is encouraged and should contact IOM Global Procurement and Supply Unit at email address

[gpsu@iom.int](mailto:gpsu@iom.int) or at: IOM Manila Administrative Centre

Global Procurement and  
Supply Unit (formerly  
Field Procurement Unit)  
28th Floor Citibank Tower  
8741 Paseo de Roxas, Makati City 1226, Philippines



IOM • OIM

## Code of Conduct for Suppliers

Global Procurement and Supply Unit  
Manila Administrative Centre, Manila Philippines

IOM will not tolerate any retribution or retaliation by anyone against a concerned Supplier who has, in good faith, sought out advice or has reported questionable behavior and/or a possible violation. IOM will take disciplinary action up to and including termination of contract for anyone who threatens or engages in retaliation, retribution or harassment of the concerned individual. Identities and contents of all information or complaints will be treated strictly confidential.

### SANCTIONS

Breach of the Code of Conduct may result in actions being invoked against that supplier, in addition to any contractual or legal remedies. The actions applied will depend on the nature and seriousness of the breach and on the degree of commitment shown by the supplier in breach to its obligations under the Code of Conduct. The range of actions available to be imposed on the supplier includes but is not restricted to the following:

- Formal warnings – that the continued non-compliance will lead to more severe actions;
- Disclosure of nature of breach to all IOM subsidiaries and associate companies;
- Immediate termination of contract, without recourse;

### **Acknowledgment and Acceptance, to be submitted together with VIS( Vendor Information Sheet)**

This is to certify that I have fully read the Supplier's Code of Conduct attached. Having fully read and understood the completed requirement of this Supplier's Code of Conduct, I hereby commit myself and my company to serve this Code of Conduct and to fully comply with all of its principles. I also certify that I am authorized by my company to sign and accept this document in its behalf.

Supplier: \_\_\_\_\_

Address: \_\_\_\_\_

Representative: \_\_\_\_\_

Signature: \_\_\_\_\_

Phone No.:Click or tap here to enter text.	Signatory:Click or tap here to enter text.
Email Address:Click or tap here to enter text.	Email Address: Click or tap here to enter text.

#### Annex 4: CONDITIONS OF CONTRACT AND CONTRACT FORMS

#### CONSTRUCTION AGREEMENT

between the  
International Organization for Migration  
and  
[Name of the Contractor]

This Construction Agreement is entered into between the **International Organization for Migration**, an organization part of the United Nations system, acting through its Mission in Libya, Hay Al Kuwait, Janzour, Tripoli, Libya, represented by Federico SODA, Chief of Mission (hereinafter referred to as “**IOM**”), and **[Name of Contractor]**, of [address], in [country], represented by [Name, Title of the representative of the Contractor],

(hereinafter referred to as the “**Contractor**”). IOM and the Contractor are also referred to individually as a “**Party**” and collectively as the “**Parties**.”

## 1. Introduction and Integral Documents

- 1.1 IOM intends to engage the services of [company’s name] for the construction of [name of project and project code/ WBS Element] located at [address] (the “**Works**”). The Works are what this Agreement requires the Contractor to construct, install and turn over to IOM, as defined in the plans, specifications and Bill of Quantities).
- 1.2 The following documents form part of this Agreement and are attached as Annexes: [add/delete as necessary]
- (a) **Annex A** - Detailed Instruction to Bidders dated [insert date], with annexed Scope of Work, Technical Specifications, Drawings, and General Conditions of Tender;
  - (b) **Annex B** - Bid Form including Contractor's firm and final proposal/bid dated [insert date], with detailed Bill of Quantities (“**BoQ**”) and unit cost;
  - (c) **Annex C** - Approved Work Schedule;
  - (d) **Annex D** - Accepted Notice of Award (“**NoA**”);
  - (e) **Annex E** – Warranty Letter Template; and,
  - (f) **Annex F** – IOM Terms and Conditions for European Union Funded Service Type Agreements

In the event of conflict between the provisions of any Annex and the terms of the main body of the Agreement, the latter shall prevail.

- 1.3 Any other Project documentation, agreed and signed by both Parties during the implementation of this Agreement, shall form part of this Agreement.
- 1.4 All correspondence, instructions, notes and other communications relating in any way to the performance of this Agreement will be in the English language. The English language version of the Agreement will at all times be the version of the Agreement which binds the Parties. Translations of the Agreement into languages other than English may be prepared for working purposes but will have no legally binding effect on the Parties.
- 1.5 If either Party finds any discrepancy or ambiguity in this Agreement, that Party must notify the other Party in writing. The Parties agree to consult with each other to attempt to resolve the discrepancy or ambiguity.
- 1.6 Unless otherwise advised by IOM in writing, all Project reports and other issues arising under this Agreement shall be addressed to IOM’s authorized signatory of this Agreement.

## 2. Scope of Work

- 2.1 The Contractor shall furnish all the necessary materials, tools and equipment, labor, supervision, and other services, for the satisfactory and timely completion of the Works in accordance with this Agreement.
- 2.2 Only IOM may approve any changes, modifications, deviations, and substitutions, in the Scope of Work in accordance with Article 7 (“**Work Variation**”).
- 2.3 IOM reserves the right to supply any materials, equipment, or resources, and to delete or reduce any work item, whether in whole or in part and update Annexes as necessary and a reduced Contract Price shall be agreed.

### 3. Contract Price

- 3.1 The total contract price (the “**Contract Price**”) shall [currency code] [amount in numbers] ([amount in words]) only, inclusive of all applicable fees, taxes and permits that may be imposed by any Government entity in connection with the execution, completion, and turnover of the Works pursuant to this Agreement.
- 3.2 The Contract Price and unit cost as outlined in Annex B shall be binding and shall not be altered in any event. The Contract Price will be modified only in cases of IOM-approved Work Variations and IOM-supplied materials as outlined in Articles 2.2 and 2.3 of this Agreement and shall be reflected in writing.
- 3.3 The liability of IOM to the Contractor is STRICTLY LIMITED to the Contract Price outlined in Article 3.1, regardless of any increase in wage or labor cost or fluctuation in the cost of materials and equipment, occurring at any time. The Contractor shall be liable for its under-estimation of the requirements of this Agreement, inflation or currency devaluation, if any.

### 4. Manner of Payment

- 4.1 The Contract Price shall be paid in accordance with the following payment schedule
  - (a) (Applicable if an advance payment is made) IOM shall release an advance payment equivalent to [percentage] of the Contract Price in the amount of [currency] [insert amount in numbers] (amount in words and currency in words) within 7 (seven) calendar days from the Contractor’s signature of this Agreement and Contractor’s submission of and IOM’s approval of the following items:
    - i. Drawings and Technical Documents for Permit Purposes;
    - ii. Approved Detailed Construction and Workings Drawings;
    - iii. Work Schedule;
    - iv. List of Sub-Contractors and Suppliers (if applicable);
    - v. Unconditional Bank Guarantee equivalent to [percentage to match advance payment] percent of the Contract Price to guarantee the advance payment, if applicable.

- (b) IOM will pay the Contractor [currency code] amount in numbers (amount in words) on confirmation by IOM of satisfactory progress toward the completion of (amount)% ([amount in words] per cent) actual measured work as per Bill of Quantities at Annex B and logbook.
- (c) IOM will pay the Contractor [currency code] amount in numbers (amount in words) after the completion of 100% (one hundred per cent) of the Works and inspection and provisional acceptance of the completed Works.
- (d) The balance of 5% (five per cent) of the total Contract Price in the amount of [currency code] amount in numbers (amount in words) will be held for 3 (three) months after provisional acceptance of the completed Works in accordance with Article 10 of this Agreement and subject to the issuance by the Contractor of a warranty letter (using the template attached as Annex E).

4.2 Payments for the Works will be done in installments in accordance with the Payment Schedule above in [currency] ([currency code]) by [bank transfer] to the following bank account:

Bank Name:

Bank Branch:

Bank Account Name:

Bank Account Number:

Swift Code:

IBAN Number:

4.3 The Contractor's Progress Claims shall be submitted to and certified by IOM's appointed Project Manager who will verify the value of the work done with regard to the value of the quantities of items completed in the Bill of Quantities. The Contractor shall submit all Progress Claims with the following attachments:

- (a) Updated Financial Statement of the Project;
- (b) Statement of Completed Works;
- (c) Progress Photos; and
- (d) Contractor's Sales Invoice.

4.4 Within 7 (seven) calendar days of Contractor's submission of the Progress Claims and Statement of Completed Works and all required attachments to the Project Manager, the Project Manager shall evaluate the said Progress Claim(s). Evaluated and approved Progress Claims shall be due and payable within 10 (ten) working days from date of approval of Progress Claim. During this period of evaluation and processing of payments, the Contractor shall continue progress of the work in accordance with the Approved Work Schedule.

- 4.5 Any progress payment/s made by IOM does not imply nor signify acceptance of any portion of the accomplished work and does not waive IOM's right to enforce the Contractor's warranty as provided in Article 14.2 of this Agreement, nor to enforce penalties for delay.
- 4.6 The Contractor can only submit the final Progress Claim as per the Payment Schedule when the Contractor has satisfactorily completed and submitted:
- (a) All works, including Work Variation Orders, as stipulated in the annexed documents;
  - (b) Rectification of all reported non-conforming works;
  - (c) Completed demobilization and clean-up of site;
  - (d) Applicable materials and work test certificate/s;
  - (e) Approval duly signed by the Project Manager and by the Contractor's authorized representative that the Work is completed in accordance with drawings and specifications and in compliance with applicable laws, rules and regulations of the local and/or national government of the location where the Project is to be implemented.
- 4.7 A Certificate of Provisional Acceptance of completed Works shall be issued by IOM when each of the requirements under Article 4.6 have been fulfilled to its satisfaction.
- 4.8 A Certificate of Provisional Acceptance of terminated Works shall be issued by IOM if IOM terminates the contract in accordance with Article 26. This Certificate will indicate the Completion Rate as per Article 6.2 and the Contractor shall remain responsible for the rectification of non-conforming or defective portions of the Works in accordance with Article 14.2.
- 4.9 A Certificate of Final Acceptance shall be issued by IOM 12 (twelve) months after the date a Certificate of Provisional Acceptance of the completed or terminated Works is issued provided that any works required during the warranty period have been completed to its satisfaction.

## 5. Completion Period

- 5.1 The Contractor shall mobilize all necessary and appropriate resources and coordinate all work activities with IOM to ensure commencement of the Works on [insert date] and completion and turn-over of the Works to IOM by [insert date] ("Completion Date").
- 5.2 Where the Contractor is unable to complete the Works by the [Completion Date] date specified in Article 5.1, the Contractor may request a time extension in writing explaining the reasons for the delay. Any adjustment on the costs of performance security, or extension of required insurances, for the performance of the Works due to such time extension shall be for the account of the Contractor.
- 5.3 IOM shall not approve requests for time extension for reasons such as but not limited to:
- (a) Project location, conditions and restrictions identified during time of tender and award of the Agreement;

- (b) Normal weather and climatic conditions prevailing at the site location;
- (c) Logistics, implementation, coordination problems and other reasons within the control of the Contractor;
- (d) Financial, operational and labor difficulties of the Contractor or any of its sub-Contractor/s or supplier/s;
- (e) Any required rectification of non-conforming work items; and
- (f) Nature and condition of terrain.

5.4 IOM may revise the Completion Date as stated in Article 5.1 in response to the Contractor's request for time extension caused by any of the following:

- (a) Force Majeure as described in Article 16;
- (b) Approved Work Variation Order/s requiring additional time for completion by the Contractor, as agreed between the Parties;
- (c) IOM's failure to make timely payments for the Works completed to IOM's satisfaction;

Provided, the requested extension shall not exceed the duration of the work stoppage or delay caused by the foregoing.

5.5 If the Works are not completed by the Completion Date specified in Article 5.1 the Contractor shall be liable to IOM for liquidated damages equivalent to 0.1% (one-tenth of one per cent) of the total Contract Price for each day of delay until the whole Works are completed and accepted by IOM according to Article 4.7. IOM may, at its discretion, grant a conditional time extension whereby the Works are not considered to be in delay during the time extended, but in case of non-completion within the extended period, the calculation of liquidated damages for delay outlined herein shall be from the original completion date before extension. If the Agreement is terminated by either Party after the Completion Date due to non-completion of the Works, the Contractor shall be liable to IOM for liquidated damages equivalent to 0.1% (one-tenth of one per cent) of the total Contract Price for each day from the Completion Date to the notice date of termination.

## 6. Work Schedule

- 6.1 Within the timeframe specified in the NoA and no later than the date of signature of this Agreement, the Contractor shall submit to IOM a work schedule (the "**Work Schedule**") showing the order and timing for all the activities in the Works.
- 6.2 The Contractor shall keep and update a daily logbook on all progress and matters relating to the Works in accordance with industry standards. The logbook shall be inspected and verified for accuracy, daily or at an interval designated by IOM, by a designated IOM staff or its authorized representatives. The logbook shall be the authoritative source of information for determining the extent of the Works completed (the "**Completion Rate**"). In case the Contractor fails to update the logbook properly with the required verification, IOM shall have the right to solely determine the Completion Rate which cannot be challenged by the Contractor.
- 6.3 The Contractor shall submit an updated Work Schedule as and when requested by IOM or its Project Manager.
- 6.4 The Contractor shall notify IOM through its Project Manager of any proposed change in the Work Schedule. Any change shall be subject to prior written approval by IOM. The Contractor shall also



submit to the Project Manager for approval a revised schedule within 7 (seven) calendar days from the date of proposing the change.

- 6.5 If at any time IOM deems that Contractor's actual progress is inadequate to meet the requirements of this Agreement, IOM may notify the Contractor to take such steps as may be necessary to improve its progress. If after a reasonable period, as determined by IOM, the Contractor still does not improve its performance, IOM may require an increase in Contractor's labour force, the number of shifts, workdays per week, overtime hours, amount of equipment, or require expedited shipment of equipment and materials, all at the Contractor's cost and without additional cost to IOM.
- 6.6 If at any time the Contractor's labor force is inactive due to unpaid wages, the Contractor shall be liable to IOM for liquidated damages equivalent to 0.1% (one-tenth of one percent) of the total Contract Price for each day of work stoppage until the entire labor force resumes work on the Project. This penalty shall be applied independently of any other sanction or penalty allowed for in this Agreement.

## 7. Work Variation

- 7.1 At any time during the implementation and execution of this Project, IOM reserves the right to request any alteration in any aspect of the work, as deemed necessary or appropriate by IOM in the best interest of the Project.
- 7.2. Alterations and/or modifications, whether additive or deductive, shall be conveyed to the Contractor in the form of a work variation order (the "**Work Variation Order**") duly approved and signed by IOM or its authorized representative. The Contractor shall immediately implement any Work Variation Order issued by IOM.
- 7.3 All variations shall be included in an updated Work Schedule.
- 7.4 If any work in the Work Variation Order corresponds with an item description in the BoQ, the rate in the BoQ shall be used to calculate the value of the variation. In other cases, the cost of such Work Variation Order shall be evaluated and compensated as agreed between the Parties. IOM may request the Contractor to provide a quotation for the cost of the variation.

## 8. Bank Guarantee for Advance Payment (IF APPLICABLE)

- 8.1 The Contractor shall, within the timeframe specified in the NoA and no later than the date of signature of this Agreement, furnish IOM with an unconditional bank guarantee in the amount equivalent to [percentage] of the Contract Price (the "**Bank Guarantee**").
- 8.2 The Bank Guarantee shall be in a form and by a bank acceptable to IOM in an amount and currency equal to the advance payment.

- 8.3 The amount of the Bank Guarantee shall not be construed as the limit of the Contractor's liability to IOM in any event.
- 8.4 The Bank Guarantee shall be effective from the date of the release of cash advance as per Article 4.1 of this Agreement until the date of the provisional acceptance as per Articles 4.7 or 4.8.

## 9. Performance Security **(NOT APPLICABLE)**

- 9.1 The Contractor shall, within the timeframe specified in the NoA, furnish IOM with a performance bond in the amount equivalent to 10% (ten percent) of the Contract Price, to be issued by a reputable bank or surety company in a form acceptable to IOM (the "**Performance Bond**").
- 9.2 The Performance Bond shall serve as the guarantee for the Contractor's faithful performance and compliance with the terms and conditions of this Agreement.
- 9.3 The amount of the Performance Bond shall not be construed as the limit of the Contractor's liability to IOM in any event.
- 9.4 The Performance Bond shall be effective from the date of commencement of the Works until the date of Provisional Acceptance as per Articles 4.7 or 4.8.

## 10. Retention

- 10.1 Upon issuance of the Certificate of Provisional Acceptance for completed Works as per Article 4.7, an amount equivalent to **5% (five per cent)** of the Contract Price shall be retained by IOM to be used for repairs or reconstruction of defective works due to poor workmanship and/or inferior quality of material used which are discovered within a period of **3 (three) months** from the date of Provisional Acceptance.
- 10.2 In case a Certificate of Provisional Acceptance for terminated Works has been issued as per Article 4.8, an amount equivalent to 5% (five per cent) of the Contract Price corresponding to the Completion Rate as per Article 6.2 shall be retained by IOM to use for repairs and reconstruction of defective works due to poor workmanship and/or inferior quality of material used for which the Contractor was responsible under this Agreement which are discovered within a period of 3 (three) months from the date of Provisional Acceptance.
- 10.3 The Contractor may, from the date of Provisional Acceptance and until the expiration of Retention period, request IOM to release the amount retained as per Article 10.1 or Article 10.2 by submitting an unconditional bank guarantee. Such bank guarantee shall be in a form and by a bank acceptable

to IOM and in an amount and currency equal to the amount retained and effective until the expiration of Retention period.

## **11. Contractor's Responsibility**

- 11.1 All government permits and licenses required for the execution of the Works under this Agreement shall be obtained prior to the commencement of the Works and paid for by the Contractor.
- 11.2 The Contractor shall comply with local and national building regulations imposed by appropriate government agencies, and shall keep IOM indemnified against all fines, penalties and losses incurred by reason of any breach of this clause.
- 11.3 The Contractor shall assume full responsibility for the Works under this Agreement until its final acceptance by IOM as per Article 4.9. The Contractor shall have entire control and supervision of the Works and services herein agreed upon and shall be solely liable for the salaries, wages and other employment benefits of all employees and sub-contractors. Should the Contractor breach this clause, IOM has the right to proceed against the Performance Bond or Bank Guarantee or to use the Retention Amount, without prejudice to demanding direct reimbursement from the Contractor in the event that the amount of the Performance Bond Bank Guarantee or Retention Amount is insufficient.
- 11.4 The Contractor shall be responsible for the safety of all activities on the site and for ensuring that relevant occupational health and safety laws and regulations are followed.
- 11.5 The Contractor shall be solely and fully accountable for ANY claim for losses, liabilities, injuries, or damages arising out of or in connection with the work done or to be performed under this Agreement including but not limited to any accident or injury of any of its employees or sub-contractors during the term of this Agreement , or for any injury to any person or damages or loss of properties arising from the construction or any act or omission of the Contractor or anyone in its employment, or its subcontractors.
- 11.6 The Contractor shall comply with local laws on wages and such other labor laws including all other laws, orders and regulations of any government authority in connection with the Works.
- 11.7 The Contractor shall at all times defend, indemnify, and hold harmless IOM, its officers, employees, and agents from and against all losses, costs, damages and expenses (including legal fees and costs), claims, suits, proceedings, demands and liabilities of any kind or nature to the extent arising out of or resulting from acts or omissions of the Contractor or its employees, officers, agents or subcontractors, in the performance of this Agreement. IOM shall promptly notify the Contractor of any written claim, loss, or demand for which the Contractor is responsible under this clause.

## **12. Inspection of Works**

- 12.1 IOM reserves the right for itself and its representatives to inspect the Works, while in progress, so as to give IOM the opportunity to reject the whole or any portion thereof, which in the opinion of IOM's representative is defective or substandard.
- 12.2 The Contractor shall allow the Project Manager and other IOM representatives to access to the work site at any time.

### **13. Insurance**

- 13.1 Without limiting the Contractor's liability pursuant to Article 11 (Contractor's Responsibility), the following insurance cover is to be provided and maintained by the Contractor for the entire duration of this Agreement:
  - (a) Third party liability for any one claim or series of claims arising out of any one accident or event;
  - (b) Workmen's compensation and/or employer's liability insurance which complies with applicable legislation;
  - (c) Automobile public liability and property damage insurance; and
  - (d) Cover against loss or damage to the Works and materials during the construction.
- 13.2 The amount of coverage for each type of insurance is to be in line with relevant industry standards and in an amount acceptable to IOM.
- 13.3 Policies and certificates of insurance are to be provided to IOM prior to the commencement of the Works.

### **14. Warranties**

- 14.1 The Contractor represents and warrants that it is financially sound and duly licensed, with the adequate labor/human resources, equipment and tools, competence, expertise and skills necessary to carry out fully and satisfactorily, within the stipulated completion period, the Works in accordance with this Agreement.
- 14.2 The Contractor guarantees and warrants the performance and completion of the design and construction work to the full and complete satisfaction of IOM. The Contractor remains responsible for the damages caused or identified within **12 (twelve) months** from the date of issuance of the Certificate of Provisional Acceptance of the Works by IOM as per Articles 4.7 or 4.8, on account of defects in the construction, or the use of materials of inferior quality furnished by it, or due to any violation of the terms of the Agreement.

- 14.3 Any work re-performed by, or any rework, repair or replacement done in satisfaction of the Contractor's obligations in relation to its warranty under this Agreement, shall automatically be re-warranted by Contractor for the remaining warranty period reckoned from the provisional acceptance, provided that in no case shall such re-warranty be less than 3 (three) months.
- 14.4 In case of any defect in workmanship or materials, which may become apparent in the course of construction, the Contractor shall, within 7 (seven) calendar days from IOM's demand, at Contractor's own cost and expense, remedy such portion of the Works done by the Contractor as in the opinion or judgment of IOM is unsound, incorrect or defective or not in accordance with the plans and specifications.
- 14.5 In case of Contractor's default, failure or refusal to carry out such order to remove and replace the unsound, incorrect or defective portion of the Works within 7 (seven) days as required by the previous clause, IOM may terminate this Agreement and/or engage the services of other persons to carry out the same. The Contractor shall bear all expenses arising there from or incidental thereto. IOM may require direct reimbursement for the cost of such action from the Contractor, deduct the expenses from any amount due to the Contractor, or deduct the amount from Performance Bond, the Bank Guarantee or the Retention Amount.
- 14.6 If any defects or imperfections are discovered by IOM and communicated to the Contractor after provisional acceptance but prior to final acceptance of the Works due to defective or improper workmanship and/or inferior quality of the material used, the Contractor shall immediately correct such defects within a period of 5 (five) days of receipt of written notice from IOM. Where the Contractor fails to act within this period, IOM may engage the services of a third party to correct the defect and hold the Contractor liable for the cost of such services. In such circumstances the Contractor shall reimburse IOM the cost of such repair, with interest at 2% (two per cent) per month from the time such expenses were incurred until fully reimbursed. The Performance Bond, Bank Guarantee and Retention, if not yet released at the time the said defects are found, may be used for this purpose.
- 14.7 The Contractor shall perform repair work with the utmost care and diligence to protect existing facilities and prevent damage thereto. In the event that damage to existing facilities is caused by such repairs, the Contractor shall repair such damage at its own expense and to IOM's satisfaction and acceptance.
- 14.8 The Contractor further warrants that:
- (a) It shall comply with all applicable laws, ordinances, rules and regulations when performing its obligations under this Agreement;
  - (b) In all circumstances it shall act in the best interests of IOM;
  - (c) No official or employee of IOM or any third party has received from, will be offered by, or will receive from the Contractor any direct or indirect benefit arising from the Agreement or award thereof;
  - (d) It has not misrepresented or concealed any material facts in the procuring of this Agreement;

- (e) All materials used are new, legally sourced and fit for their particular purpose;
- (f) No asbestos or any other health hazard materials (lead paints etc.) will be used in the course of the construction;
- (g) The Contractor, its staff or shareholders have not previously been declared by IOM ineligible to be awarded agreements by IOM;
- (h) The Price specified in this Agreement shall constitute the sole remuneration in connection with this Agreement. The Contractor shall not accept for its own benefit any trade commission, discount or similar payment in connection with activities pursuant to this Agreement or the discharge of its obligations thereunder. The Contractor shall ensure that any subcontractors, as well as the officers, personnel and agents of either of them, similarly, shall not receive any such additional remuneration.
- (i) It shall respect the legal status, privileges and immunities of IOM as an intergovernmental organization, such as inviolability of documents and archive wherever it is located, exemption from taxation, immunity from legal process or national jurisdiction. In the event that the Contractor becomes aware of any situation where IOM's legal status, privileges or immunities are not fully respected, it shall immediately inform IOM.
- (j) It is not included in the most recent Consolidated United Nations Security Council Sanctions List nor is it the subject of any sanctions or other temporary suspension. The Contractor will disclose to IOM if it becomes subject to any sanction or temporary suspension during the term of this Agreement.
- (k) It must not employ, provide resources to, support, contract or otherwise deal with any person, entity or other group associated with terrorism as per the most recent Consolidated United Nations Security Council Sanctions List and all other applicable anti-terrorism legislation. If, during the term of this Agreement, the Contractor determines there are credible allegations that funds transferred to it in accordance with this Agreement have been used to provide support or assistance to individuals or entities associated with terrorism, it will inform IOM immediately who in consultation with the donors as appropriate, shall determine an appropriate response. The Contractor shall ensure that this requirement is included in all subcontracts.

14.9 The Contractor warrants that it shall abide by the highest ethical standards in the performance of this Agreement, which includes not engaging in any fraudulent, corrupt, discriminatory or exploitative practice or practice inconsistent with the rights set forth in the Convention on the Rights of the Child. The Contractor shall immediately inform IOM of any suspicion that the following practice may have occurred or exist:

- (a) a corrupt practice, defined as the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the action of IOM in the procurement process or in contract execution;
- (b) a fraudulent practice, defined as any act or omission, including a misrepresentation or concealment, that knowingly or recklessly misleads, or attempts to mislead, IOM in the procurement process or the execution of a contract, to obtain a financial gain or other benefit or to avoid an obligation or in such a way as to cause a detriment to IOM;
- (c) a collusive practice, defined as an undisclosed arrangement between two or more bidders designed to artificially alter the results of the tender process to obtain a financial gain or other benefit;
- (d) a coercive practice, defined as impairing or harming, or threatening to impair or harm, directly or indirectly, any participant in the tender process to influence improperly its activities, or affect the execution of a contract;

- (e) an obstructive practice, defined as (i) deliberately destroying, falsifying, altering or concealing of evidence material to IOM investigations, or making false statements to IOM investigators in order to materially impede a duly authorized investigation into allegations of fraudulent, corrupt, collusive, coercive or unethical practices; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or (ii) acts intended to materially impede the exercise of IOM's contractual rights of access to information;
- (f) any other unethical practice contrary to the principles of efficiency and economy, equal opportunity and open competition, transparency in the process and adequate documentation, highest ethical standards in all procurement activities.

14.10 The Contractor further warrants that it shall:

- (a) Take all appropriate measures to prohibit and prevent actual, attempted and threatened sexual exploitation and abuse (SEA) by its employees or any other persons engaged and controlled by it to perform activities under this Agreement ("other personnel"). For the purpose of this Agreement, SEA shall include:
  - 1. Exchanging any money, goods, services, preferential treatment, job opportunities or other advantages for sexual favours or activities, including humiliating or degrading treatment of a sexual nature; abusing a position of vulnerability, differential power or trust for sexual purposes, and physical intrusion of a sexual nature whether by force or under unequal or coercive conditions.
  - 2. Engaging in sexual activity with a person under the age of 18 ("child"), except if the child is legally married to the concerned employee or other personnel and is over the age of majority or consent both in the child's country of citizenship and in the country of citizenship of the concerned employee or other personnel.
- (b) Strongly discourage its employees or other personnel having sexual relationships with IOM beneficiaries.
- (c) Report timely to IOM any allegations or suspicions of SEA, and investigate and take appropriate corrective measures, including imposing disciplinary measures on the person who has committed SEA.
- (d) Ensure that the SEA provisions are included in all subcontracts.
- (e) Adhere to above commitments at all times.

14.11 The Contractor expressly acknowledges and agrees that breach by the Contractor, or by any of the Contractor's employees, contractors, subcontractors or agents, of any provision contained in Articles 14.8, 14.9, or 14.10 of this Agreement constitutes a material breach of this Agreement and shall entitle IOM to terminate this Agreement immediately on written notice without liability. In the event that IOM determines, whether through an investigation or otherwise, that such a breach has occurred then, in addition to its right to terminate the Agreement, IOM shall be entitled to recover from the Contractor all losses suffered by IOM in connection with such breach.

14.12 The Contractor's warranty obligation under this Agreement shall remain valid and existing during the warranty period, notwithstanding the handover of the Works by IOM to a third-party, and the Contractor shall remain liable for any defects in the construction, workmanship, use of substandard materials, or any violation of the terms of the Agreement during such warranty period.

## **15. Assignment and Subcontracting**

- 15.1 The Contractor shall not assign or subcontract the Agreement or any work under this Agreement in whole or in part, unless agreed in writing in advance by IOM. Any subcontract entered into by the Contractor without approval in writing by IOM may be cause for termination of the Agreement.
- 15.2 Notwithstanding a written approval from IOM, the Contractor shall not be relieved of any liability or obligation under this Agreement nor shall it create any contractual relation between any subcontractor and IOM. The Contractor shall include in an agreement with a subcontractor all provisions in this Agreement that are applicable to a subcontractor, including relevant Warranties and Special Provisions. The Contractor remains liable as a primary obligor under this Agreement, and it shall be directly responsible to IOM for any faulty performance under any subcontract. The subcontractor shall have no cause of action against IOM for any breach of the sub-contract.

## **16. Force Majeure**

- 16.1 Neither Party will be liable for any delay in performing or failure to perform any of its obligations under this Agreement if such delay or failure is caused by force majeure, which means any unforeseeable and irresistible act of nature, any act of war (whether declared or not), invasion, revolution, insurrection, terrorism, blockade or embargo, strikes, Governmental or state restrictions, natural disaster, epidemic, public health crisis, and any other circumstances which are not caused by nor within the control of the affected Party.
- 16.2 As soon as possible after the occurrence of a force majeure event which impacts the ability of the affected Party to comply with its obligations under this Agreement, the affected Party will give notice and full details in writing to the other Party of the existence of the force majeure event and the likelihood of delay. On receipt of such notice, the unaffected Party shall take such action as it reasonably considers appropriate or necessary in the circumstances, including granting to the affected Party a reasonable extension of time in which to perform its obligations. During the period of force majeure, the affected Party shall take all reasonable steps to minimize damages and resume performance.
- 16.3 IOM shall be entitled without liability to suspend or terminate the Agreement if Contractor is unable to perform its obligations under the Agreement by reason of force majeure. In the event of such suspension or termination, the provisions of Article 26 (Termination) shall apply.

## **17. Intellectual Property**

All intellectual property and other proprietary rights including, but not limited to, patents, copyrights, trademarks, and ownership of data resulting from the performance of the Services shall be vested in IOM, including, without any limitation, the rights to use, reproduce, adapt, publish and distribute any item or part thereof.



## **18. Independent Contractor**

The Contractor, its employees and other personnel as well as its subcontractors and their personnel, if any, shall perform all Works under this Agreement as an independent contractor and not as an employee or agent of IOM.

## **19. Audit**

The Contractor agrees to maintain records, in accordance with sound and generally accepted accounting procedures, of all direct and indirect costs of whatever nature involving transactions related to the provision of services under this Agreement. The Contractor shall make all such records available to IOM or IOM's designated representative at all reasonable times until the expiration of 7 (seven) years after the date of final payment, for inspection, audit, or reproduction. On request, employees of the Contractor shall be available for interview.

## **20. Confidentiality**

- 20.1 All information which comes into the Contractor's possession or knowledge in connection with this Agreement is to be treated as strictly confidential. The Contractor shall not communicate such information to any third party without the prior written approval of IOM. The Contractor shall comply with IOM Data Protection Principles in the event that it collects, receives, uses, transfers or stores any personal data in the performance of this Agreement. This obligation shall survive the expiration or termination of this Agreement.
- 20.2 Notwithstanding the previous paragraph, IOM may disclose information related to this Agreement, such as the name of the Contractor and the value of the Agreement, the title of the contract/project, nature and purpose of the contract/project, name and locality/address of the Contractor and the amount of the contract/project to the extent as required by its Donor or in relation to IOM's commitment to any initiative for transparency and accountability of funding received by IOM in accordance with the policies, instructions and regulations of IOM.

## **21. Notices**

Any notice given pursuant to this Agreement will be sufficiently given if it is in writing and received by the other Party at the following address:

**International Organization for Migration (IOM)**

Attn: Procurement Unit

Hay Al Kuwait, Janzour, Tripoli, Libya

Email: iomlibyaprocurement@iom.int

**[Full name of the Contractor]**

Attn: [Name and title/position of the Contractor's contact person]

[Contractor 's address]

Email: [Contractor 's email address]

## **22. Dispute Resolution**

- 22.1 Any dispute, controversy or claim arising out of or in relation to this Agreement, or the breach, termination or invalidity thereof, shall be settled amicably by negotiation between the Parties.
- 22.2 In the event that the dispute, controversy or claim has not been resolved by negotiation within 3 (three) months of receipt of the notice from one party of the existence of such dispute, controversy or claim, either Party may request that the dispute, controversy or claim is resolved by conciliation by one conciliator in accordance with the UNCITRAL Conciliation Rules of 1980. Article 16 of the UNCITRAL Conciliation Rules does not apply.
- 22.3 In the event that such conciliation is unsuccessful, either Party may submit the dispute, controversy or claim to arbitration no later than 3 (three) months following the date of termination of conciliation proceedings as per Article 15 of the UNCITRAL Conciliation Rules. The arbitration will be carried out in accordance with the 2010 UNCITRAL arbitration rules as adopted in 2013. The number of arbitrators shall be one and the language of arbitral proceedings shall be English, unless otherwise agreed by the Parties in writing. The arbitral tribunal shall have no authority to award punitive damages. The arbitral award will be final and binding.
- 22.4 The present Agreement as well as the arbitration agreement above shall be governed by the terms of the present Agreement and supplemented by internationally accepted general principles of law for the issues not covered by the Agreement, to the exclusion of any single national system of law that would defer the Agreement to the laws of any given jurisdiction. Internationally accepted general principles of law shall be deemed to include the UNIDROIT Principles of International Commercial Contracts. Dispute resolution shall be pursued confidentially by both Parties. This Article survives the expiration or termination of the present Agreement.

## **23. Use of IOM Name, Abbreviation and Emblem**

The Contractor shall not be entitled to use the name, abbreviation or emblem of IOM without IOM's prior written authorisation. The Contractor acknowledges that use of the IOM name, abbreviation and emblem is strictly reserved for the official purposes of IOM and protected from unauthorized use by Article 6ter of the Paris Convention for the Protection of Industrial Property, revised in Stockholm in 1967 (828 UNTS 305 (1972)).

## **24. Status of IOM**

Nothing in or relating to this Agreement shall be deemed a waiver, express or implied, of any of the privileges and immunities of the International Organization for Migration as an intergovernmental organization.

## **25. No Waiver Clause**

IOM's failure to insist upon a strict performance of any of the terms and conditions of this Agreement shall not be deemed a relinquishment of any right or remedy that IOM may have, nor shall it be construed as a waiver of Contractor's subsequent breach of this Agreement which shall continue to be in full force and effect. No waiver by IOM of any of its rights under this Agreement shall be deemed to have been made unless expressed in writing and signed by IOM.

## **26. Termination of Agreement**

26.1 IOM may, at its option, terminate for convenience any of the work under this Agreement in whole or in part, at any time by 7 (seven) days written notice to Contractor. Such notice shall specify the Completion Rate upon termination as established by Article 6.2 and the effective date of termination. Upon receipt of such notice Contractor shall:

- (a) Immediately discontinue the Works on the date and to the extent specified in the notice and place no further purchase orders or subcontracts for materials, services, or facilities other than as may be required for completion of such portion of the Works that is not terminated;
- (b) Promptly cancel upon terms satisfactory to IOM all purchase orders, subcontracts, rentals, or any other agreement existing for the performance of the terminated work, or assign those agreements as directed by IOM;
- (c) Assist IOM in the maintenance and protection of work in progress, plant, tools, equipment, property and materials acquired by Contractor or furnished by IOM under this Agreement;
- (d) Complete performance of such portion of the Works which are not terminated; and
- (e) Perform other related tasks, which IOM may reasonably instruct, in order to effect the termination of the work.

26.2 Upon termination as per the previous clause, as the sole right and remedy of Contractor, IOM shall pay in accordance with the following:

- (a) The Contract Price corresponding to the Works performed in accordance with this Agreement prior to the date of such notice of termination;
- (b) Costs corresponding to the portion of the Works thereafter performed as specified in such notice of termination, subject to IOM's acceptance of such work;
- (c) Reasonable and documented administrative costs of settling and paying claims arising out of the termination of work under purchase orders or subcontracts, as agreed by IOM; and
- (d) Reasonable costs incurred in demobilization and the disposition of residual material and equipment, as agreed by IOM.

The Contractor shall submit within 7 (seven) calendar days after receipt of notice of termination, a written statement setting forth its proposal for an adjustment to the Contract Price to include only the incurred costs described in this clause. IOM shall review the proposal, and negotiate an equitable adjustment of the Contract Price. Other amounts paid in advance by IOM will be refunded by the Contractor within 7 (seven) days.

- 26.3 IOM may terminate this Agreement or any of the work under this Agreement at any time by immediate written notice to the Contractor, for causes which include but are not limited to:
- (a) The Contractor's violation of the terms and conditions of this Agreement;
  - (b) Contractor's default, failure or refusal to carry out order to remove and replace the unsound, incorrect or defective portion of the Works as per Article 14.5;
  - (c) Non-completion of the Works within the time agreed upon or the expiration of extension agreed upon, or delayed progress of the Works as stated in Article 6 or sub-standard work;
  - (d) Institution of insolvency or receivership proceedings involving the Contractor;
  - (e) If, in the judgment of IOM, the Contractor has engaged in corrupt or fraudulent practices in competing for and/or implementing the Agreement.

The written notice shall specify the Completion Rate as established by Article 6.2 upon termination, the effective date of termination, and any additional tasks that need to be performed including but not limited to those enumerated in Articles 26.1 and 26.2. Such termination shall be without prejudice to IOM's other rights and remedies in this Agreement, in law and in equity. Amounts paid in advance by IOM will be refunded by the Contractor within 7 (seven) days from the date of IOM's request.

26.4 Where IOM terminates this Agreement as per Article 26.3 above, all materials, plant, equipment and works financed under this Agreement shall be deemed to be the property of IOM, and the Contractor shall be liable for all the direct replacement cost incurred to IOM for the completion of the Works. The Contractor shall pay IOM the required amount within 30 (thirty) days from receipt of an invoice from IOM. The direct replacement cost shall be the difference between the remaining amount in Contract Price not paid to the Contractor upon termination including the retention amount (after the settlement of all remaining debts and obligations) and the actual cost spent by IOM for completion of the remainder of the Works plus overhead of 10% (ten per cent) for additional administrative efforts of IOM.

- 26.5 Upon any termination, the Contractor shall waive any claims for damages including loss of anticipated profits on account thereof.
- 26.6 IOM may suspend the Agreement at any time, in whole or in part. In the event of suspension of this Agreement, IOM will specify the scope of activities and/or deliverables that shall be suspended in writing. All other rights and obligations of this Agreement shall remain applicable during the period of suspension. IOM will notify the Contractor in writing when the suspension is lifted and may modify the completion date. The Contractor shall not be entitled to claim or receive any Service fee or costs incurred during the period of suspension of this Agreement.

## **27. Severability**

If any part of this Agreement is found to be invalid or unenforceable, that part will be severed from this Agreement and the remainder of the Agreement shall remain in full force.

## 28. Entire Agreement

This Agreement and its Annexes embody the entire agreement between the Parties and supersedes all prior agreements and understandings, if any, relating to the subject matter of this Agreement.

## 29. Final Clauses

29.1 This Agreement will enter into force upon signature by both Parties. It will remain in force until completion of all obligations of the Parties under this Agreement unless terminated earlier in accordance with Article 26.

29.2 Amendments may be made by mutual agreement in writing between the Parties.

## 30. Special Provisions (Optional)

Due to the requirements of the Donor financing the Project, the Contractor shall agree and accept the following provisions:

[Insert all donor requirements which must be flown down to IOM's implementing partners and subcontractors. In case of any doubt, please contact LEGContracts@iom.int]

Signed in duplicate in English, on the dates and at the places indicated below.

*For and on behalf of*  
The International Organization for  
Migration

Signature

*For and on behalf of*  
[Name of Contractor]

Signature

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Name:  
Position:  
Date:  
Place:

---

Name:  
Position:  
Date:  
Place:



**Annex X**

**[Title]**

[Attach the Annex/es and label accordingly]

**Guidance in Checklist Form on completing the template for**

**EXC1045/2017 Ext. 5 Construction Agreement**

- ☐ The Construction Agreement follows the **special contract template EXC 1045/2017 Ext. 5** and is without any deviations. For Amendments: The changes do not introduce any deviations to template.
- ☐ No work have taken place prior to signing the Agreement. For Amendments: The changes made under the Amendment shall apply only from the date of signing of the Amendment or later and the original Agreement (as amended previously, if at all) has not yet expired.
- ☐ All activities comply with IOM's Constitution, policies, regulations, rules, manuals, Guidance Notes and instructions from relevant thematic areas.
- ☐ IOM has secured the authorization to perform the Works on the Property from the relevant public official who has the power to enter into contracts/agreements involving the Property.
- ☐ The Contractor has been selected in compliance with IOM procurement rules.
- ☐ The authority of the person(s) signing on behalf of the other party to do so has been verified.
- Check which option applies:
- A. ☐ The Contractor is with a registered business entity; OR
- B. ☐ The Contractor is with an individual with a business license and MSCU approval was obtained.
- The name and dates/duration for the Project are exactly the same on:
- ☐
  - o The Agreement; and
  - o All Annexes, including the Work Schedule, Bill of Quantities, Payment Schedule, as applicable.
- The Contract Price and all other amounts (e.g., instalment amounts):
- ☐
  - o Is written correctly both in numbers and in words;
  - o Specifies the currency used; and,
  - o Corresponds to the Bill of Quantities and Payment Schedule list attached to the Agreement, if any.
- Check which option applies:
- A. ☐ The currency used in defining the contract price is the same currency as the one in which payment shall be made; or
- B. ☐ The currency used in the provision(s) defining the contract price is different from the currency to be paid to the other party, but the UN exchange rate at the date of payment is agreed.
- ☐ The total Contract Price is below or up to USD 100,000.
- Check which option applies:
- A. ☐ There is no advance payment;
- B. ☐ The advance payment is not higher than USD 25,000;
- C. ☐ The advance payment is higher than USD 25,000, but a bank guarantee in the amount of the advance has been provided by the Contractor. The bank guarantee follows Form 19.29 in IN/168 Rev 2 and no deviations to the template were introduced;
- D. ☐ The advance payment is higher than USD 25,000, but approval has been granted by the RD for this specific Agreement; OR



- E. ☐ This Agreement is made in the context of an L1, L2 or L3 situation. The advance payment thresholds have been adhered to and the required authorizations have been obtained, following Article 8 of IN/168, Rev 2.
- ☐ The retention amount (5%) and duration (3 months) are different, but exceptional MSCU approval has been obtained. The references both in Article 10 and the Payment Schedule have been changed accordingly.
- ☐ Standard warranty period is 12 months and the Contractor will be required to execute a Warranty Letter before release of the retention amount.
- The Contract Price is to be paid either:
- A. ☐ By bank transfer to the *specific* bank account of the Contractor as indicated in Agreement. The bank account is not in the name of a third party or an individual, OR
- B. ☐ By a method other than bank transfer which has been approved in writing and in advance by TSY.
- The Agreement is concluded in one of the following languages:
- A. ☐ IOM official language (English, French or Spanish); OR
- B. ☐ Bilingually (both language versions have identical content with at least one language being an official IOM language) and the language clause (i.e., IOM official language prevails in case of discrepancy) has been included.
- ☐ The Agreement/Amendment is not backdated. The signature date shall always be the actual date of signature.
- ☐ There are no additional clauses which have not been approved by LEG specifically for the Agreement/Amendment.
- ☐ All Annexes referred to in the Agreement/Amendment, if any, are attached to the Agreement/Amendment and do not create additional obligations other than those contained in the Agreement itself.
- ☐ All Annexes are provided either in English, French or Spanish. In case Annexes in another language are attached, translations in one of the official languages are attached, contain a statement that they prevail in case of discrepancy over the version of the Annex in a non-official language and will be signed by the Contractor.
- Check which option applies:
- A. ☐ There are no specific Donor requirements for this Agreement, the “Special Provisions” clause (Article 30) has been deleted and subsequent enumeration has been corrected;
- B. ☐ The Agreement is EU funded through PAGODA, Contribution or ECHO Agreement. The duration of this Agreement is within the authorized contracting period specified by the EU funding agreement and the Annex for EU funded service agreements has been filled in, referenced in the Annex list and attached to the Agreement. Additionally, RO Brussels has been/will be informed about this Agreement prior to signing; OR
- C. ☐ The Agreement is funded by a non-EU donor whose flow down conditions have been added to the “Special Provisions” clause (Article 30) and these are not in violation of other terms of this Agreement.

BILL OF QUANTITIES						
Rehabilitation Of LBG Training Centre - Tripoli						
Date: FEB01, 2024						
Location of Project: Tripoli - Libya						
Project Time Frame: 90 Days						

NO	DESCRIPTION	الكمية QTY.	UNIT الوحدة	UNIT Price (\$) سعر الوحدة Material and Labours	TOTAL Price السعر الاجمالي Material and Labours	بيان الاعمال	ر.م
1	Demolition, removal and paving					الهدم والازالة والتمهيد	1
1.1	Demolishing and removing walls of any type and thickness, the work includes all ceramics and plastering, preparing the place to receive the new work, and transporting the waste to public dumps.	1	LS			هدم وإزالة حوائط من أي نوع وسمك والعمل شامل السراميك و اللياسة بالكامل و تهئية المكان لاستقبال العمل الجديد ونقل المخلفات الى المقالب العمومية .	1.1
1.2	Removing the mosaic tiles on the roof and old water proofing, and the work includes transporting waste and preparing the place for new works, according to technical principles and the instructions of the supervising engineer.	770	M2			إزالة البلاط السطح والطبقة العازلة تحت البلاط ونقل المخلفات وتهئية المكان للأعمال الجديدة، حسب الأصول الفنية وتعليمات المهندس المشرف.	1.2
1.3	Breaking and removing reinforced concrete for the staircase, while preserving the rebar, transporting waste, and preparing the place for new works in accordance with the technical principles and instructions of the supervising engineer.	1	LS			تكسير وإزالة الخرسانة المسلحة لزوم السلم مع المحافظة على حديد التسليح ونقل المخلفات وتهئية المكان للأعمال الجديدة طبقاً للأصول الفنية وتعليمات المهندس المشرف.	1.3
1.4	Dismantle and remove the upper drinking water tank with its accessories and all connections, in accordance with the technical standards and instructions of the supervising engineer.	2	EA			فك وإزالة خزان مياه الشرب العلوي بمخلفاته وجميع التوصيلات ، طبقاً للأصول الفنية وتعليمات المهندس المشرف.	1.4
2	Concrete works					الاعمال الخرسانة	2
2.1	Supply and pour reinforced concrete with a breaking stress of (C25) Newtons/mm2 with a thickness of 25 cm for the main staircase in accordance with technical principles and the instructions of the supervising engineer.	13	M3			توريد وصبب خرسانة مسلحة بأجهاد كسر (C25) نيوتن /مم2 بسبك 25 سم لزوم السلم الرئيسى طبقاً للأصول الفنية وتعليمات المهندس المشرف .	2.1
3	Civil Works					الاعمال المدنية	3
3.1	Supply and construction of hollow block bricks, with a thickness of 20 cm for the re-build toilets according to the attached drawings.	160	M2			بالمتر المربع / توريد وبناء طوب من الاسمنت المفرغ ( بوميشى ) بسبك 20 سم لزوم دورات المياه المجمة وفقاً لرسومات الهندسية المرفقة .	3.1
3.2	Supply and plastering the external and internal walls by 350 kg cement + 1 m3 sand with installation of metal mesh between the concrete and hollow blocks according to technical specifications, and instructions of the supervising engineer.	360	M2			بالمتر المربع / توريد وعمل لياسة أسمنتية للحوائط الداخلية 350كجم أسمنت + 1م3 رمل مع تركيب شبك معدني بين المباني والخرسانات حسب المواصفات الفنية وأصول الصنعة وتعليمات المهندس المشرف .	3.2
3.3	Supply and installation of ceramic tiles for floors, walls, and toilet partitions, first sorting, from an approved sample.	590	M2			بالمتر المربع / توريد وتركيب بلاط سيراميك فرز اول من عينة معتمدة لزوم الأرضية والحوائط وفواصل دورات المياه	3.3
3.4	"Supplying and painting an water proof layer from an excellent sample, and the work includes: - - Clean the surface well and treat any cracks or ripples on the surface.	670	M2			توريد وعمل طلاء طبقة عازلة من عينة ممتازة لزوم السطح والعمل يشمل:- - تنظيف السطح جيداً ومعالجة أي تشققت أو تموجات بالسطح .	3.4
3.5	Supply and installation of mosaic tiles, size (25 x 25 x 2.5) cm, as required for the surface, including the skirting, of the same type of tile, and doing everything necessary in accordance with the principles of workmanship and the instructions of the supervising engineer.	670	M2			توريد وتركيب بلاط موزايكو مقاس (25x25x2.5) سم لزوم السطح شاملا الوزرة من نفس نوع البلاط وعمل كل ما يلزم وفقاً لأصول الصنعة وتعليمات المهندس للمشرف .	3.5
3.6	Supply and installation of mosaic tiles, size (25 x 25 x 2.5) cm, for accommodation rooms and rest rooms on the ground floor and first floor, in accordance with the principles of workmanship and the instructions of the supervising engineer.	350	M2			توريد وتركيب بلاط موزايكو مقاس (25x25x2.5) سم لزوم غرف الإيواء وغرف الاستراحة بالدورالارضى و الدور الاول و وفقاً لأصول الصنعة وتعليمات المهندس للمشرف .	3.6
3.7	Supply and installation of Carrara marble tiles, 10 cm high.	300	M			توريد وتركيب وزرة من الرخام نوع كرارة بأرتفاع 10 سم .	3.7
3.8	Supply and installation of cement boards. It is necessary to close the mat box openings in the ground floor windows.	20	M2			توريد وتركيب الألواح من الاسمنت بورد لزوم غلق فتحات صندوق الحصيرة بتوافض الدور الارضى	3.8

BILL OF QUANTITIES	
Rehabilitation Of LBG Training Centre - Tripoli	
Date:FEB01, 2024	
Location of Project: Tripoli - libya	
Project Time Frame: 90 Days	

NO	DESCRIPTION	QTY. الكمية	UNIT الوحدة	UNIT Price(\$) سعر الوحدة Material and Labours	TOTAL Price السعر الاجمالي Material and Labours	بيان الاعمال	ر.م
3.9	Supply and installation of porcelain tiles, first sorted from the approved sample, on the first floor, including skirting boards, with a height of 10 cm, of the same type of approved tiles.	230	M2			توريد وتركيب بلاط بورسلين فرز أول من العينة المعتمدة بالدور الارضي و الأول شامل الوزرات بارتفاع 10 سم من نفس نوع البلاط المعتمد	3.9
3.10	Supply and installation of Carrara marble for stairs, 3cm thick sleepers and 2cm thick posts with the required sizes and curved edges for the sleepers in accordance with the technical principles and instructions of the supervising engineer.					توريد وتركيب رخام كرارة من عينة ممتازة ومعتمدة لزوم السلالم (قائمات ونائمات )مع شطف الزوايا والاركان لتلصق بمونة اسمنتية مع ملأ الفواصل بمادة لاصقة وكل ما يلزم لنهـو العمل حسب المواصفات الفنية واصول الصنعة وتعليمات المهندس المشرف .	3.10
3.10.1	2 cm thickness of stair treads	22	M			سمك 2 سم قائمات السلالم	3.10.1
3.10.2	3cm thickness stair sleepers.	22	M			سمك 3سم نائمات السلالم .	3.10.2
3.10.3	Supply and installation of square marble measuring (20 x 60) cm with a thickness of 2 cm for the	16	M2			توريد وتركيب رخام ترابيـع بمقاس (60×20)سم بسمك 2سم لزوم راحة السلم	3.10.3
3.11	Supply and installation of marble type thickness of 3cm for the roof edges.	50	M			توريد وتركيب رخام نوع (بانوراما ) سمك 3 سم لزوم الدروة .	3.11
3.12	Supplying the installation of granite, size (2.00 x 0.60) m, for the information counter, including the frame, of the same approved type of granite.	2.5	M2			توريد تركيب جرانيت مقاس (0.60×2.00) م لزوم كونتر الاستعلامات شامل الاطار من نفس نوع الجرانيت المعتمد .	3.12
3.13	Supply and installation of shatterproof glass with a thickness of 10 mm for the counter, including making openings for inquiries and all the accessories necessary to install the glass.	4.5	M2			توريد وتركيب زجاج مقام لكسر بسمك 10 مم لزوم الكونتر يشمل عمل فتحات للاستعلام وجميع الاكسسوارات اللازمة لتثبيت الزجاج .	3.13
3.14	Supply and installation of suspended ceilings, size (60 x 60) cm. Training and work classes are required. It includes sections of galvanized sheet metal of excellent quality and everything necessary to complete the work in accordance with the technical specifications and instructions of the supervising engineer.	375	M2			توريد وتركيب أسقف معلقة مقاس (60×60) سم لزوم فصول التدريب والعمل يشمل قطاعات من الصاج المجلفن من نوعية ممتازة وكل ما يلزم لنهـو العمل وفقا للمواصفات الفنية وتعليمات المهندس المشرف .	3.14
3.15	Supply and installation of suspended ceilings made of (Gibson Board) with a thickness of 12.50 mm, of an excellent sample, for corridors, bathrooms, rest rooms, and the main entrance.	420	M2			توريد وتركيب أسقف معلقة من ( الجيبسون بورد ) بسمك 12.50 مم من عينة ممتازة لزوم الممرات ودورات المياه والاستراحة والمدخل الرئيسي .	3.15

BILL OF QUANTITIES						
Rehabilitation Of LBG Training Centre - Tripoli						
Date:FEB01, 2024						
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NO	DESCRIPTION	الكمية QTY.	UNIT الوحدة	UNIT Price(\$) سعر Material and Labours الوحدة	TOTAL Price Material and Labours السعر الاجمالي	بيان الاعمال	ر.م
4	Developing the main entrance and front facade					تطوير المدخل الرئيسي والواجهة الامامية	4
4.1	Supply and installation of cement board to be attached to the external walls. The work includes the metal structure, putty, sanding, making an insulating layer, and painting according to the approved color in accordance with the approved engineering drawings.	20	M2			توريد وتركيب أسمنت بورد تثبت بالحوائط الخارجية والعمل يشمل الهيكل المعدني والمعجون والسفرة وعمل طبقة عازلة والطلاء حسب اللون المعتمد وفقا لرسومات الهندسية المعتمدة .	4.1
4.2	The supply and installation of an umbrella with the main entrance according to the approved engineering graphics and work includes:- Manufacture and installation of a petroleum iron structure (IPE 27) that fixes with the cash of the ground floor roof. - Cohesion of the iron structure with cement panels, and work includes linking to the screws, stabilization, paste, and moisture -insulating paint.	4	M2			توريد وتركيب مظلة بالمدخل الرئيسي وفقا لرسومات الهندسية المعتمدة والعمل يشمل :- - تصنيع وتركيب هيكل من حديد البتريلي ( IPE 27 ) يثبت بخوابيريسقف الدور الارضي المبني . - تكسية الهيكل الحديدي بالالواح الاسمنت بورد و العمل يشمل الربط بالبراغي والاشربة الاصفه والمعجون والطلاء العازل للرطوبةوعمل كل ما يلزم لنهو الاعمال وفقا للمواصفات الفنية وتعليمات المهندس المشرف.	4.2
4.3	"Supplying and constructing buildings that require making stairs at the front entrance of the building according to the approved engineering drawings, and the work includes:- - Supply and construction of hollow cement bricks (Bomeshi) with a thickness of 20 cm, as it is necessary to make a front setback at the entrance. - Supplying and backfilling with clean soil. It is necessary to fill the front setback at the entrance, and the work includes water immersion and very good compaction to reach solid soil.	24	M2			توريد وعمل مباني لزوم عمل سلالم بالمدخل الامامي بالمبنى وفقا لرسومات الهندسية المعتمدة والعمل يشمل :- - توريد وبناء طوب من الاسمنت المفرغ ( بوميشي ) بسمك 20 سم لزوم عمل ارتداد أمامي بالمدخل. - توريد وردم بترية نظيفة لزوم مأل الارتداد الامامي بالمدخل والعمل يشمل الغمر بالمياه والدمك الجيد جدا للوصول الى تربة صلبة .	4.3
4.4	Supply and installation of Carrara marble from an excellent and approved sample for the main entrance stairs. The work includes cleaning the nooks and crannies, plastering them with cement mortar, filling the joints with an adhesive, and everything necessary to complete the work according to the technical specifications, manufacturing principles, and the instructions of the supervising engineer.					توريد وتركيب رخام كرارة من عينة ممتازة ومعتمدة لزوم سلالم المدخل الرئيسي والعمل يشمل شطف الزوايا والاركان تلصق بمونة اسمنتية مع ملء الفواصل بمادة لاصقة وكل ما يلزم لنهو العمل حسب المواصفات الفنية واصول الصنعة وتعليمات المهندس المشرف .	4.4
4.4.1	2 cm thickness of stair treads	6	M			سمك 2 سم قوائم السلالم	4.4.1
4.4.2	3cm thickness stair sleepers.	6	M			سمك 3سم ثالمات السلالم .	4.4.2
4.4.3	Supply and installation of square marble measuring (20 x 60) cm with a thickness of 2 cm for the stairs	16	M2			توريد وتركيب رخام ترابيع بمقاس (60×20) سم بسمك 2سم لزوم راحة السلم	4.4.3
4.5	Supplying and making buildings of 20 cm thick hollow bricks for flower beds, and the work includes insulation with bitumen, plaster, agricultural soil, and plants that are suggested by the supervising engineer.	2	EA			توريد وعمل مباني من الطوب المفرغ سمك20 سم لزوم أحواض الزهور والعمل يشمل العزل بالبيتومين واللباسة والاطار من الرخام بسمك 2 سم والتربة الزراعية والنباتات التي يتم اقتراحها من المهندس المشرف	4.5

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5	sanitary works					الاعمال الصحية	5
5.1	Supply and implementation of a sewage network of GM pipes with a diameter of (4, 3, 1.50) inches, necessary for bathrooms on the first floor, including pipes, elbows, serpentine, adhesive materials, stabilization with regular concrete, making the necessary slopes for water drainage, testing for non-leakage and slopes, and connecting to the septic tank according to the drawings. Engineering and instructions of the supervising engineer.	1	LS			توريد وتنفيذ شبكة صرف صحي من مواسير GM بأقطار (4, 3, 1.50) بوصة اللازمة للحمامات في الطابق الأول شاملة المواسير والأكواع والسرنتين والمواد اللاصقة والتثبيت بالخرسانة العادية وعمل المنحدرات اللازمة لتصريف المياه واختبار عدم التسرب والمنحدرات وتوصيلها بالخزان الصحي حسب المخططات. الهندسية وتعليمات المهندس المشرف.	5.1
5.2	Supply and installation of a hot and cold water network using PPR pipes with a diameter of (1-3/4) inches, including valves, connections, and corner faucets, and performing a leakage test and everything necessary to complete the work in accordance with the technical specifications and instructions of the supervising engineer.	1	LS			توريد وتركيب شبكة مياه ساخنة وباردة من مواسير البّي بي آر بفطر (1-3/4) بوصة شاملة الصمامات والوصلات وحفريات الزاوية وعمل اختبار عدم التسرب وكل ما يلزم لنهـو الاعمال وفقا للمواصفات الفنية وتعليمات المهندس المشرف.	5.2
5.3	Supply and installation of a hand-washing sink, including mixer and siphon, from an excellent sample.	14	EA			توريد وتركيب حوض غسيل أيدي شامل الخلط والسيفون من عينة ممتازة .	5.3
5.4	Supply and installation of a suspended flush toilet with a buried flush box, including the battery and a 1/2-inch valve from an excellent sample, and everything necessary to complete the work, testing, and the instructions of the supervising engineer.	14	EA			توريد وتركيب مرحاض أفريقي معلق ذو صندوق طرد مدفون شامل البطارية ومحبس 1/2 بوصة من عينة ممتازة وكل ما يلزم لنهـو العمل والاختبار وتعليمات المهندس المشرف .	5.4
5.5	Supply and installation of a floor siphon, length type, size 40 cm, necessary for showers, and the work includes connecting to the sewage network and everything necessary to complete the work according to the technical specifications and instructions of the supervising engineer.	10	EA			توريد وتركيب سيفون أرضية نوع طولى مقاس 40 سم لزوم الدشاش والعمل يشمل الربط بشبكة الصرف الصحي وكل ما يلزم لنهـو العمل حسب المواصفات الفنية وتعليمات المهندس المشرف	5.5
5.6	Supply and installation of a complete shower mixer buried in the wall from an excellent sample.	10	EA			توريد وتركيب خلّاط دوش كامل مدفون بالحائط من عينة ممتازة .	5.6
5.7	Supply and installation of an excellent sample of hot and cold bidets.	18	EA			توريد وتركيب شطّافة مدفونة ساخنة و باردة من عينة ممتازة .	5.7
5.8	Supply and installation of mirrors size (100 x 60) cm	10	EA			توريد وتركيب مرآة مقاس ( 100x60)سم	5.8
5.9	Supply and installation of toilet paper holders	14	EA			توريد وتركيب حاملـة ورق حمام ( كليتيكس )	5.9
5.10	Supply and installation of a hanger (clothes hanger)	10	EA			توريد وتركيب مشجب ( علاق ملابس )	5.10
5.11	Supply and installation of a polyethylene overhead water tank with a capacity of 1000 liters, including valves and an electric float with the necessary electrical connections.	1	EA			توريد وتركيب خزان مياه علوي من البولي إيثلين سعة 1000 لتر شامل الصمامات والعوامة الكهربائية مع التوصيلات الكهربائية اللازمة .	5.11
5.12	The re-installation of the upper tanks that have been dismantled with a capacity of 1500 liters and the work includes all connections to the internal and outstanding water network, installation of the regular buoy and the electrical buoy attached to the electricity cable and the work of the necessary tests on the network according to the technical specifications and the instructions of the supervising engineer.	2	EA			إعادة تركيب الخزانات اعلوية التي تم فكها سعة 1500 لتر والعمل يشمل جميع التوصيلات بشبكة المياه الداخلة والخارجة وتركيب العوامة العادية والعوامة الكهربائية مرفقة بالكابل الكهربائ وعمل الاختبارات اللازمة بالشبكة وفقا للمواصفات الفنية وتعليمات المهندس المشرف .	5.12

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6	carpentry work					أعمال النجارة	6
6.1	Supply and installation of a prefabricated door made of Portuguese wood, size (2.00 x 2.20) m. The main door is required, and the work includes installing the frame, accessories, lock, joints, and handle from an approved sample.	1	EA			توريد وتركيب باب جاهز من الخشب برتغالي مقاس ( 2.20×2.00 ) م لزوم الباب الرئيسي والعمل يشمل تركيب الاطار والاكسسوارات والقفل والمفاصل والمقبض من عينة معتمدة .	6.1
6.2	Supply and installation of prefabricated doors made of Portuguese wood, size (1.00 x 2.00) m, for interior doors. The work includes installing the frame, accessories, lock, joints, handle, and everything necessary to complete the work in accordance with the technical specifications and principles of workmanship.	29	EA			بالعدد / توريد وتركيب أبواب جاهزة من الخشب البرتغالي مقاس ( 2.00×1.00 ) م لزوم الابواب الداخلية والعمل يشمل تركيب الاطار والاكسسوارات والقفل والمفاصل والمقبض وكل ما يلزم لنهوا الاعمال وفقا للمواصفات الفنية وأصول الصنعة .	6.2
6.3	supply and installation of ready-made doors made of Portuguese wood, size (1.40 x 2.00) m, necessary for interior doors, and the work includes installing the frame, accessories, lock, joints, handle, and everything necessary to complete the work in accordance with the technical specifications and principles of workmanship.	2	EA			بالعدد / توريد وتركيب أبواب جاهزة من الخشب البرتغالي مقاس ( 2.00×1.40 ) م لزوم الابواب الداخلية والعمل يشمل تركيب الاطار والاكسسوارات والقفل والمفاصل والمقبض وكل ما يلزم لنهوا الاعمال وفقا للمواصفات الفنية وأصول الصنعة .	6.3
7	P.V.C Works					أعمال البّي في سي	7
7.1	Supply and installation of PVC doors with glass, size (1.00 x 2.00) m, from an excellent (Italian) sample, including the installation of a 3 cm thick marble frame from an approved sample for bathrooms.	6	EA			توريد وتركيب أبواب من البّي في سي بالزجاج مقاس ( 2.00×1.00 ) م من عينة ممتازة ( ايطالي ) شاملا تركيب حلق من الرخام بسمك 3 سم من عينة معتمدة لزوم دورات المياه .	7.1
7.2	Supply and installation of PVC doors with glass, size (0.80 x 2.00) m, from an excellent (Italian) sample, including the installation of a 3 cm thick marble frame from an approved sample for toilets and showers.	24	EA			توريد وتركيب أبواب من البّي في سي بالزجاج مقاس ( 2.00×0.80 ) م من عينة ممتازة ( ايطالي ) شاملا تركيب حلق من الرخام بسمك 3 سم من عينة معتمدة لزوم دورات المياه والادشاش .	7.2
7.3	Supply and installation of PVC upper windows with glass, size (0.60 x 0.60) m, from an excellent (Italian) sample, including the installation of a 3 cm thick marble ring from an approved sample.	14	EA			توريد وتركيب نوافذ علوية من البّي في سي بالزجاج مقاس ( 0.80×0.80 ) م من عينة ممتازة ( ايطالي ) شاملا تركيب حلق من الرخام بسمك 3 سم من عينة معتمدة .	7.3
7.4	Supply and installation of PVC upper windows with glass, size (1.20 x 1.40) m, from an excellent (Italian) sample, including the installation of a 3 cm thick marble ring from an approved sample.	14	EA			توريد وتركيب نوافذ علوية من البّي في سي بالزجاج مقاس ( 1.40×1.20 ) م من عينة ممتازة ( ايطالي ) شاملا تركيب حلق من الرخام بسمك 3 سم من عينة معتمدة .	7.4
7.5	Supply and installation of a mat (Cernati) of an excellent (Italian) sample, size (1.20 x 1.40) m, made of insulated aluminum strips, and the mat box, including the pulley, belt, all accessories, and everything necessary to complete the work according to the technical specifications and instructions of the supervising engineer.	14	EA			توريد وتركيب حصيرة ( سرنقي ) من عينة ممتازة ( ايطالي ) مقاس ( 1.40×1.20 ) م من شرائح الالومنيوم المعزول و صندوق الحصيرة شاملا البكرة والسير وجميع الملحقات وكل ما يلزم لنهوا الاعمال حسب المواصفات الفنية وتعليمات المهندس المشرف	7.5
7.6	Supply and installation of fabric vertical blinds, and the work includes installation, accessories, and everything necessary to complete the work.	27	EA			توريد وتركيب ستائر رأسية من القماش والعمل يشمل التثبيت والاكسسوارات وكل ما يلزم لنهوا العمل .	7.6

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8	PS Works					أعمال الألومنيوم	8
8.1	Supply and installation of an aluminum partition wall with a frame (7.00 x 3.00) m from an excellent sample for the courtyard, including a double-leaf door measuring (2.00 x 2.40) m and longitudinal windows, including locks, hinges, and everything necessary to complete the work by the principles of workmanship and the instructions of the supervising engineer.	21	M2			توريد وتركيب إطار من الألومنيوم مقاس ( 3.00×7.00 ) م من عينة ممتازة لزوم الفناء يحتوي على باب من ضلفتين مقاس (2.40×2.00) م وعلى نوافذ طويلة. شاملا الخردوات والاقفال والمفاصل وكل ما يلزم لنهـو العمل وفقا لاصول الصنعة وتعليمات المهندس المشرف .	8.1
8.2	Supply and installation of handrails for the main staircase made of stainless steel from an excellent sample, including hardware and everything necessary to complete the work according to the principles of workmanship and the instructions of the supervising engineer.	18	m			توريد وتركيب درابزين لوزوم السلم الرئيسي من السلسنيل م من عينة ممتازة. شاملا الخردوات وكل ما يلزم لنهـو العمل وفقا لاصول الصنعة وتعليمات المهندس المشرف .	8.2
9	Metal Works					الاعمال الحديدية	9
9.1	Supply and installation of wrought iron (protection), size (1.20 x 1.40) m, for ground floor windows. The work includes two layers of primer coating, a final layer of paint, and everything necessary to complete the work according to the technical specifications and instructions of the supervising engineer.	10	EA			توريد وتركيب حديد مشغول ( حماية ) مقاس ( 1.20×1.40 ) م لزوم نوافذ الدور الارضي والعمل يشمل الطلاء بالبريسر طبقتين وطبقة الطلاء النهائي وكل ما يلزم لنهـو العمل حسب المواصفات الفنية وتعليمات المهندس المشرف .	9.1
9.2	Supply and installation of a wrought iron door required for the roof door. The work includes two coats of primer and a final coat of paint, and everything necessary to complete the work according to the technical specifications and instructions of the supervising engineer.	1	EA			توريد وتركيب باب حديد مشغول لزوم باب السطح و العمل يشمل لطلاء بالبريسر طبقتين وطبقة الطلاء النهائي وكل ما يلزم لنهـو العمل حسب المواصفات الفنية وتعليمات المهندس المشرف .	9.2
9.3	Supply and installation of an excellent sample of stainless steel railings needed for the internal staircase.	25	M			توريد وتركيب دريزين من الستل ستل من عينة ممتازة لزوم السلم الداخلي .	9.3
10	Painting Works					اعمال الدهانات	10
10.1	Supply and painting of moisture-resistant plastic, on three layers for the ceiling and walls in as the required color with a preparatory moisture-proof face and the price includes preparing the layers and sanding for each face according to the technical specifications.	2900	M2			توريد وعمل دهان بلاستيكي مقاوم للرطوبة ثلاثة أوجه لزوم السقف والحوائط باللون المطلوب مع عمل وجه تحضيرى عازل للرطوبة والتمن يشمل تجهيز الأسطح والسفرة لكل وجه طبقا للمواصفات الفنية وأصول الصنعة .	10.1
11	Safety works					أعمال الامن والسلامة	11
11.1	Supply and installation cylinders fire extinguishing of powder-type with a capacity of (10) k and approved sample.	10	EA			توريد وتثبيت أسطوانات أطفاء الحريق نوع بودرة وزن 10 كيلو جرام من عينة معتمدة .	11.1

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12	Electrical works					الاعمال الكهربائية	12
12.1	DISTRIBUTION SYSTEM:					نظام التوزيع	12.1
12.1	<u>Main Distribution Boards:</u> <u>Supply, install, testing and commissioning of main distribution boards, complete including metal enclosure, cables termination, cable glands, fixing and supporting structures, busbars, circuit breakers, protective devices, indicating instruments and multi-function meters for V, I, Hz, etc and all related accessories. All of which shall be according to the technical specifications, drawings, codes of practice and highest prevailing engineering standards.</u>					لوحات التوزيع الرئيسية. توريد وتركيب واختبار وتشغيل لوحات التوزيع الرئيسية، كاملة بما في ذلك اللوحة المعدنية، ونهايات الكابلات، ومداخل الكابلات، وهياكل التثبيت والدعم، وقضبان التوصيل، وقواطع الدائرة، وأجهزة الحماية، وأجهزة الإشارة وأجهزة القياس متعددة الوظائف V، I، Hz، ...، إلخ وجميع الملحقات المتعلقة بها. وكل ذلك يجب أن يكون وفقاً للمواصفات الفنية والرسومات وقواعد الممارسة وأعلى المعايير الهندسية السائدة.	12.10
12.1.1	MDP2 Incoming Device : 200 Amp, 4P MCCB, Enclosure material : Cold rolled sheet steel 1.5 mm	1	EA			MDP2 لوحة بقاطع صناعي 200 أمبير	12.1.1
12.1.2	MDP1 MCCB Panelboard with the following specifications: Max. voltage : 415V ac, 50/60 Hz Rated insulation voltage : 1000V ac Rated operational voltage : 690 V ac Incoming Device : 160 Amp, 4P MCCB. Outgoing Devices : 5 MCCB (five MCCB 63 Amp- one MCB 2Pole 32 Amp). Protection degree : IP 42 Enclosure material : Cold rolled sheet steel 1.5 mm and all related accessories as shown on the drawings and according to codes of practice and highest prevailing engineering standards.	1	EA			MDP1 لوحة كهرباء رئيسية صناعية بالمواصفات التالية : الحد الأقصى للجهد: 415 فولت تيار متردد، 50/60 هرتز جهد التشغيل المقدر: 690 فولت تيار متردد الدخول: 160 أمبير، MCCB مفتاح رئيسي صناعي رباعي الخروج: 5 قواطع صناعية MCCB ( خمسة 63 أمبير)، ( MCB واحد 32 أمبير زوجي). التحكم في التآثر ( قاطع + كونتاكور. درجة الحماية: IP 42 مادة الصندوق: صفائح الفولاذ المدرفلة على البارد 1.5 مم " كله وفقاً للمواصفات والرسومات وقواعد الممارسة وأعلى المعايير الهندسية السائدة .	12.1.2
12.2	Final Distribution Boards:					لوحات التوزيع النهائية - الفرعية	12.2
12.2	<u>Supply, install, testing and commissioning of final distribution boards (panelboards) with main MCCB, complete including metal indoor enclosure, cables termination, cable glands, busbars, circuit breakers, and all related accessories as shown on the drawings and according to codes of practice and highest prevailing engineering standards.</u>					توريد وتركيب واختبار وتشغيل لوحات التوزيع النهائية - الفرعية (للوحات) مع قاطع صناعي MCCB الرئيسية، كاملة بما في ذلك الصندوق المعدني - داخلي، ونهايات الكابلات، وسدادات الكابلات، وقضبان التوصيل، وقواطع الدائرة الكهربائية، وجميع الملحقات ذات الصلة كما هو مذكور في المواصفات الفنية والمبينة على الرسومات ووفقاً لقواعد الممارسة وأعلى المعايير الهندسية السائدة.	12.2
12.2.1	GDB1	1	EA			GDB1	12.2.1
12.2.2	GDB2	1	EA			GDB2	12.2.2
12.2.3	FDB1	1	EA			FDB1	12.2.3



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12.2.4	FDB2	1	EA			FDB2	12.2.4
12.2.5	DB-ROOF	1	EA			DB-ROOF	12.2.5
12.3	L.V CABLES					كابلات الجهد المنخفض	12.3
12.3	<u>L.V CABLES:</u> <u>Supply, install, testing and commissioning of complete three phase A and single phase cable including excavation and backfilling, pipes, boxes, return everything as it was, etc. All of which shall be according to the specifications, drawings, codes of practice and highest prevailing engineering standards, for the following</u>					<p><b>كابلات الجهد المنخفض</b></p> <p>توريد وتركيب واختبار وتشغيل الكابلات النحاسية ثلاثية الطور وحادية الطور كاملة بما في ذلك جميع المرباط والدعامات والمشدات الأقواس ومدخلات الكوابل ونهايات الكابلات وحفر خنادق الكابلات تحت الأرض والردم والأنابيب والصناديق وإعادة كل شيء كما كان ... إلخ. وذلك كله وفقاً للمواصفات والرسومات وقواعد الممارسة وأعلى المعايير الهندسية السائدة، وذلك لما يلي "</p>	12.3
12.3.1	2Cx6sqmm - XLPE /PVC + E=6sqmm	25	M			2Cx6sqmm - XLPE /PVC + E=6sqmm	12.3.1
12.3.2	4Cx16sqmm - XLPE /PVC + E=16sqmm	95	M			4Cx16sqmm - XLPE /PVC + E=16sqmm	12.3.2
12.3.3	<u>MAIN POWER SUPPLY CABLE:</u> <u>Supply, install, testing and commissioning of complete three phase XLPE Armoured Underground Aluminum Power Cable including all necessary cleats, supports, brackets, glands, cable terminals, underground cable trenches excavation, and backfilling, ducts, pipes, boxes, manholes, etc. All of which shall be according to the specifications, drawings, codes of practice and highest prevailing engineering standards, for the following</u>					<p><b>كابل إمداد الطاقة الرئيسي</b></p> <p>توريد وتركيب واختبار وتشغيل كابلات الألمنيوم ثلاثية الطور مسلحة بنوع عازل (XLPE) كاملة بما في ذلك جميع المرباط والدعامات والمشدات الأقواس ومدخلات الكوابل ونهايات الكابلات وحفر خنادق الكابلات تحت الأرض والردم والأنابيب بي في سي والصناديق وإعادة كل شيء كما كان ... إلخ. وذلك كله وفقاً للمواصفات والرسومات وقواعد الممارسة وأعلى المعايير الهندسية السائدة، وذلك لما يلي "</p>	12.3.3
12.3.4	4Cx95sqmm - XLPE /PVC	\$700.0	M			4Cx95sqmm - XLPE /PVC	12.3.4
12.40	CABLE TRAY SYSTEM					منظومة حاملة الكابلات	12.40
12.4	<u>CABLE TRAY SYSTEM:</u> <u>Supply, install, testing and commissioning of complete galvanized steel cable trays and all related accessories. All of which shall be according to the specifications, drawings, codes of practice and highest prevailing engineering standards, for the following:</u>					<p>منظومة حاملة الكابلات:</p> <p>توريد وتركيب واختبار وتشغيل حاملات الكابلات الفولاذية المجلفنة الكاملة وجميع الملحقات ذات الصلة. وذلك كله وفقاً للمواصفات والرسومات وقواعد الممارسة وأعلى المعايير الهندسية السائدة، وذلك لما يلي:</p>	12.40
12.4.1	Cable tray (15cm).	100	M			حاملة كابلات 15 سم	12.4.1

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12.5	POWER SOCKETS AND ISOLATORS:					مقابس الكهربائية " برايز "	12.5
12.5	<b>POWER SOCKETS &amp; OUTLET</b> <u>Supply, install, testing and commissioning of complete socket outlet point or power point, including cable size 3X4 sqmm, all conductors, cables, conduits, boxes, Socket outlets and all related accessories according to the technical specifications, drawings, codes of practice and highest prevailing engineering standards.</u>					<b>مقابس ومخارج الطاقة</b> توريد وتركيب واختبار وتشغيل نقطة مأخذ توصيل كاملة أو نقطة طاقة، بما في ذلك حجم الكابل 3 × 4 مم مربع وجميع الموصلات والكابلات والمجاري والصناديق ومنافذ المقابس "برايز مجوفة" وجميع الملحقات ذات الصلة وفقاً للمواصفات والرسومات وقواعد الممارسة والأعلى المعايير الهندسية السائدة.	12.5
12.5.1	16A, single phase socket outlet, one gang, Germany standard type, indoor, 3PIN, wall/mounted or above false ceiling where indicated on plans.	180	EA			16 أمبير، مقبس أحادي الطور، فردي، مواصفات الألمانية، داخلي، 3PIN، مثبت على الحائط/ أو فوق السقف المعلق حيثما هو موضح في المخططات. " بريزة مجوفة "	12.5.1
12.5.2	16A, single phase socket outlet, one gang, Germany standard type,Outdoor, IP65, 3PIN, wall/counter mounted or above false ceiling where indicated on plans.	10	EA			16 أمبير، مقبس أحادي الطور، فردي، مواصفات الألمانية، خارجي، 3PIN، IP65، مثبت على الحائط/ أو فوق السقف المعلق حيثما هو موضح في المخططات. " بريزة مجوفة "	12.5.2
12.60	ELECTRICAL WATER HEATER:					سخانات المياه	12.60
12.6	<b>ELECTRICAL WATER HEATER:</b> Supply, install, testing and commissioning of complete AC power supply 230V, 50Hz, for Electrical Water Heater Including cable 3x4mm <sup>2</sup> , Single phase socket outlet, conduits, boxes and all related accessories.					<b>سخان المياه الكهربائي:</b> توريد وتركيب واختبار وتشغيل مصدر طاقة تيار متردد كامل 230 فولت، 50 هرتز، لسخانات المياه الكهربائية بما في ذلك الكابل 3 × 4 مم 2، ومأخذ مقبس أحادي الطور، والانابيب، والصناديق وجميع الملحقات ذات الصلة	12.6
12.6.1	80 Litter	12	EA			80 لتر	12.6.1
12.6.1	50 Litter	8	EA			50 لتر	12.6.1
12.7	HAND DRYER FOR TOILETS					مجفف أيدي خاص بالحمامات	12.7
12.7.1	HAND DRYER	4	EA			مجفف ايدي خاص بالحمامات	12.7.1

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12.80	LIGHTING SYSTEM					منظومة الانارة	12.80
12.8.1	<b>LIGHTING CIRCUITS:</b> Supply, install, testing and commissionining of complete lightingcircuit including cable size 3x2.5 sqmm, conduits, boxes, switches and all related accessories as the technical specifications and shown on the drawings and according to the approval sample by Engineer.	20	EA			<b>توزيع الإضاءة:</b> توريد وتركيب واختبار وتشغيل دائرة الإضاءة الكاملة بما في ذلك كابل مقاس 3x2.5 مم مربع والمواسير والصناديق والمفاتيح وجميع الملحقات ذات الصلة حسب المواصفات الفنية والمبينة على الرسومات وحسب نموذج الموافقة من قبل المهندس.	12.8.1
12.8.2	<b>LIGHTING FIXTURE:</b> Supply, install, testing and commissionining of complete lighting fixture as shown on layout and discribed on legend complete with lamps and all related accessoriesas for the following:					<b>تجهيز الإضاءة:</b> توريد وتركيب واختبار وتشغيل تجهيزات الإضاءة الكاملة كما هو موضح في المخطط والموضح في لوحة مفتاح الرموز كاملة مع المصابيح وجميع الملحقات ذات الصلة كما يلي	12.8.2
12.8.2.1	L1:60cm x 60cm recessed ceiling mounted lighting luminaire with led lamp 72w,7381lm	102	EA			L1: وحدة إضاءة مثبتة على السقف مقاس 60 سم × 60 سم مع مصباح LED 72 وات، 7381 لومن	12.8.2.1
12.8.2.2	L2: High-qualityLEDSpotlight 21W diameter 217mm	45	EA			L2: سيوت لايت LED عالي الجودة 21 وات قطر 217 ملم	12.8.2.2
12.8.2.3	L3:high-quality LED Spotlight 15 W IP65	40	EA			L3: سيوت لايت LED عالي الجودة 15 وات IP65	12.8.2.3
12.8.2.4	L4: Surface-mounted LED Downlight IP65, 45 WATT	8	EA			L4: وحدة انارة LED مثبتة على السطح، 45 IP65، وات	12.8.2.4
12.8.2.5	L5:Surface-mounted LED Panel, 300 mm X 600mm 45 WATT	6	EA			L5: لوحة LED سقفية مثبتة على السطح، 300 مم × 600 مم، 45 وات	12.8.2.5
12.8.2.6	L6: wall -mounted LED downlight, IP65, 45 WATT	8	EA			L6: وحدة انارة حائطية LED مثبتة على الحائط، 45 IP65، وات	12.8.2.6
12.8.2.7	L7: Exit sign luminaire with 1X8W, LED Lamp.	14	EA			L7: وحدة إنارة إشارة الخروج بمصباح LED بقوة 8 × 1 وات.	12.8.2.7
12.8.2.8	L8: LED floodlight, 400 w, Die-cast aluminium, Transparent 4mm, tempred-Glass, Aluminum frame Steel Galvanized and painted bracke including PVC conduits, junction boxes and photocell to control switching automatically on/OFF.All as per drawings and instruction of engineer.	8	EA			L8: كشاف 400، LED، وات، هيكل ألومنيوم مصبوب، شفاف 4 مم، زجاج مقسى، إطار من الألومنيوم تشتمل الدعامة الفولاذية المجلفنة والمظلية بالإضافة الى الكابل بمساحة مقطع 4X3 مم داخل انبوب بي في سي و دائرة التحكم في الفتح والإغلاق حسب الخرائط وتعليمات المهندس المشرف.	12.8.2.8

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12.8.2.9	Supply and install LED Post Top Lightng mounted on modern Pole, 2.5 meter height, IP65, LED Lamp 150 watt, includes cable size 3x4 mm2, underground pipes, excavation, backfilling and photocell to control switching automatically on/OFF.	10	EA			وريد وتركيب اثاره حدائق من النوع LED (Post Top) على عمود حديث ارتفاع 2.5 متر , درجة حماية IP65 , لمبة LED 150 وات. يتضمن الكابل بمساحة مقطع 3X5 مم2 , الانابيب, الحفر والردم خلية ضوئية للتحكم في الفتح والاعلاق التوماتيكيا.	12.8.2.9

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12.9	<b>EARTHING A SYSTEM</b>						12.9
12.9.1	Supply, install, test and commissioning of complete earthing system including, earth rodes, plates, investigation concrete champer, clamps and all related accessories of the earthing system. (Earth Resistance not more than 1 Ohm) ,	1	L.s			توريد وتركيب واختبار وتشغيل نظام التأريض الكامل بما في ذلك القضبان الأرضية والألواح وغرفة الكشف الخرسانية والمشابك وجميع الملحقات ذات الصلة بنظام التأريض. (مقاومة الأرضي لا تزيد عن 1 أوم)	12.9.1
12.10	<b>SAT. SYSTEM</b>						12.10
12.10.1	One Gang Sat Outlet complete with PVC conduits, and Satellite Coaxial Cable Copper from satellite switch to socket outlet	16	EA			مخرج ستالايت فردي كامل ويشمل الأنابيب PVC وكابل ستالايت المحموري نحاسي من صحن الاستقبال إلى المخرج	12.10.1
12.10.2	Complete satellite system with all required cables, Satellite Head with 8 outlets, Dish's diameter is 1.2 m, and all required accessories to complete and test the work successfully	2	EA			منظومة استقبال القمر الصناعي كامل مع جميع الكوابل المطلوبة، رأس ستالايت 8 مخارج قطر الصحن 1.2 متر وجميع الملحقات المطلوبة لإتمام واختبار العمل بنجاح	12.10.2
12.11	<b>Projectors</b>						12.11
12.11.1	Supply, installation testing of ceiling mounted Projector with Display board. (Resolution 1024X768 Brightness 2500 ANS lumens, Aspect ratio 4:3 XGA Video modes: 720p, 1080i, 1080p/60, 525i, 525p, 576i, 576p, 625i, 625p, 480p, 480i, Lamp life: 5,000 hours / 6,000 hours (Eco) , Manual focus/zoom, Including projector Folding screen 2.5X2.5 m.	10	EA			توريد واختبار تركيب جهاز عرض مثبت على السقف مزود بلوحة عرض. (الوضوحية 1024X768) السطوع 2500 ANS لومن، نسبة العرض إلى الارتفاع 4:3 XGA أوضاع الفيديو: 720p, 1080i, 1080p/60, 525i, 525p, 576i, 576p, 625i 480i, 480p, 625p, عمر المصباح: 5000 ساعة / 6000 ساعة (اقتصادي)، يدوي التركيز/التكبير، بما في ذلك شاشة العرض القابلة للطي 2,5X2,5 م	12.11.1
13	<b>AIR CONDITIONER UNITS:</b>						13
13.1	<b>AIR CONDITIONER UNIT</b> Supply, install, testing and commissioning of complete 18,000 btu Split unit Air Conditioner, auto swing, auto Restart, Clear LED Display, R410A Environment Friendly Refrigerant, Climatic Condition: T3 and Power Supply: 1 Phase 220V, 50Hz and all necessary including copper wires, 3x4mm <sup>2</sup> , gas pipes, drainage pipes and support bracket for outdoor units to complete the work according the drawings and the instruction of supervisor engineer.	29	EA			<b>وحدات تكييف الهواء</b> توريد وتركيب واختبار وتشغيل مكيف هواء سبليت كامل بقدرة 18000 وحدة حرارية بريطانية، تأرجح تلقائي، إعادة تشغيل تلقائي، شاشة LED واضحة، مورد صديق للبيئة R410A، الحالة المناخية: T3 وإمدادات الطاقة: أحادي الأطوار 220 فولت، 50 هرتز وجميع ما يلزم من كوابل مساحة مقطع 3x4 مم <sup>2</sup> وأنابيب غاز وأنابيب صرف ومثبتات دعائم للوحدات الخارجية لإكمال العمل حسب المخططات وتعليمات المهندس المشرف.	13.1
13.1	<b>EXHAUST FANS</b> Supply, installation, testing and operation of complete fresh/exhaust air ventilation system to the toilets, includes Ceiling mounted exhaust fans, cable size 3x2.5sqmm and all the missing parts of the system to operate this item according to the specifications and instruction of supervision engineer.	6	EA			<b>الشفاطات</b> توريد وتركيب واختبار وتشغيل نظام كامل لتهوية الهواء النقي/العادم للمراحيض، بما في ذلك مراوح العادم المثبتة في السقف، وكابل بحجم 3 x 2.5 متر مربع وجميع الأجزاء المفقودة من النظام لتشغيل هذا العنصر وفقاً للمواصفات والتعليمات من مهندس الإشراف	13.1
13	<b>External Works</b>					<b>الاعمال الخارجية</b>	14
14.1	Supplying and Casting concrete with stress of 25 N / mm <sup>2</sup> for the pavement with a thickness of 15 cm, including , leveling by the helicopter surface and making joints to expand and fill it with rubber.	310	M2			توريد وصب خرسانة بأجهاد كسر 25 نيوتن / مم <sup>2</sup> لزوم الرصيف بسمك 15 سم شاملاً تسوية السطح الهلوكوتير وعمل فواصل لتمدد وتعبئتها بالمادة المطاطية .	14.1

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14.2	Supplying and making concrete road curbs, size 35*15*100 cm, making a concrete bed, fixing the back with concrete, and welding the partitions of the curbs with cement mortar in accordance with the technical standards and instructions of the supervising engineer.	135	M			توريد وعمل بردورات حدائق خرسانية مقاس 100*15*35 سم و عمل فرشـة خرسانية وتثبيت من الخلف بالخرسانة ولحم فواصل البردورات بملاط الاسمنت طبقا للأصول الفنية وتعليمات المهندس المشرف	14.2
14.3	Supplying and installing garden tiles of the Koto type from an excellent sample for the interior courtyard. The work includes compacting the soil well, sorting the tiles for defects, and making a 10 cm height of the same sample, and everything necessary to complete the work in accordance with the technical specifications and instructions of the supervising engineer.	55	M2			توريد وتركيب بلاط حدائق نوع (كوطو) من عينة ممتازة لزوم الفناء الداخلي والعمل يشمل دمك التربة جيدا وفرز البلاط من العيوب وعمل وزرة بارتفاع 10 سم من نفس العينة وكل ما يلزم لنهـو العمل وفقا للمواصفات الفنية وتعليمات المهندس المشرف .	14.3
14.4	supplying and making concrete garden borders, size 25*8*50 cm, making a concrete bed, fixing the back with concrete, and welding the partitions of the gardens with cement mortar in accordance with the technical principles and instructions of the supervising engineer.	65	M			توريد وعمل بردورات حدائق خرسانية مقاس 50*8*25 سم و عمل فرشـة خرسانية وتثبيت من الخلف بالخرسانة ولحم فواصل البردورات بملاط الاسمنت طبقا للأصول الفنية وتعليمات المهندس المشرف	14.4
14.5	Supply and implement a fixed irrigation network to cover all green surfaces that spoil with polyethylene pipes with a 3/4 -inch diameter with all their accessories	40	M2			توريد وتنفيذ شبكة ري ثابتة لتغطية جميع المسطحات الخضراء تغذي بمواسير من البولي إيثيلين بقطر 3/4 بوصة بكامل ملحقاتها	14.5
14.6	Supplying and implementing green surfaces of ready -made and work, including preparing, settling, and loving the soil before, after agriculture, irrigation, complementary fertilizer, and everything necessary to enhance the work according to the technical specifications and the instructions of the supervising engineer.	40	M2			توريد وتنفيذ مسطحات خضراء من النجيلة الجاهزة والعمل يشمل تجهيز التربة وتسويتها ودكها قبل وبعد الزراعة والري والسـماد التكميلي وكل ما يلزم لنهـو العمل وفقا للمواصفات الفنية وتعليمات المهندس المشرف .	14.6

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14.7	Excavation and pouring concrete with a thickness of 10 cm for an underground water tank (circular) with a capacity of 10,000 liters, the work includes pouring the floor, slab and installing a steel cover for maintenance.	2	L.S			حفر وصب خرسانة لزوم خزان أرضي ( فورمات سمك 10 سم ) بسعة 10,000 لتر والعمل يشمل صب الأرضية والسقف وتركيب غطاء لزوم الصيانة.	14.7
14.8	Supply & installation of a <b>submersible pump of 1.0 HP</b> for Pumping water from the reservoir to the upper tank, the work includes installation floater, connection to water system & electric network.	1	EA			توريد وتركيب مضخة (غاطسة) مياه بقوة 1.0HP لزوم ضخ من الخزان الارضي الى الخزان العلوي ويشمل العمل تركيب العوامة والتوصيل بشبكة المياه والكهرباء.	14.8
14.9	Construct a septic tank (10.00×4.00×3.00) m. The work includes: excavation, building by limestone,pouring reinforcement concrete for foundation, columns, beams & slab. Also connecting the sewage network to the septic tank. The work should be finished according to standard specifications & engineer instructions. Note: Dimensions of septic tank from inside.	1	EA			إنشاء بيارة للصرف الصحي بمقاس ( 3.00×4.00×10.00 ) م والعمل يشمل الحفر والبناء بالحجر الجيري وصب خرسانة مسلحة لزوم القواعد والاعمدة والكمرات وسقف البيارة وربط شبكة أنابيب الصرف بالبيارة وكل ما يلزم لإنهاء العمل والتشطيبات بالشكل المطلوب. ملاحظة: قياس ابعاد البيارة من الداخل.	14.9
TOTAL ESTIMATION COST							

NOTES/(In Arabic)		
1	ALL THE CONSTRUCTION MATERIALS SHOULD BE BRAND NEW AND TESTED ACCORDING TO CONSTRUCTION WORKS SPECIFICATIONS BY TSE AND INSTRUCTION OF SITE ENGINEER.	جميع مواد الانشاء والصيانة يجب ان تكون جديدة ومعتمدة من المهندس المشرف
2	IN CASE OF ANY DIFFERENCE BETWEEN BoQ AND DESIGNS, THE INSTRUCTION OF SUPERVISOR ENGINEER WILL PREVAIL.	في حالة وجود أي اختلاف بين جداول الكميات والتصاميم ، سيتم تطبيق تعليمات المهندس المشرف.



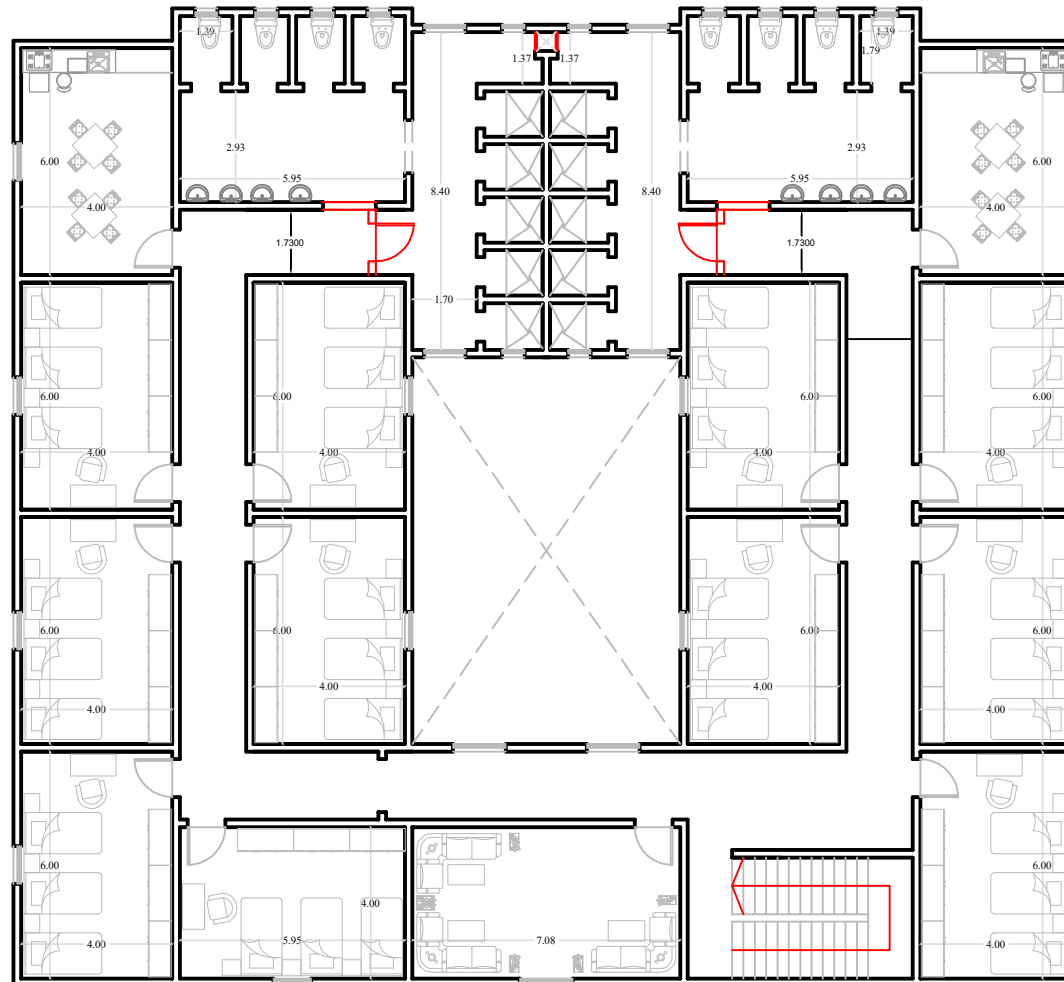
## Rehabilitation Of LBG Training Centre - Tripoli



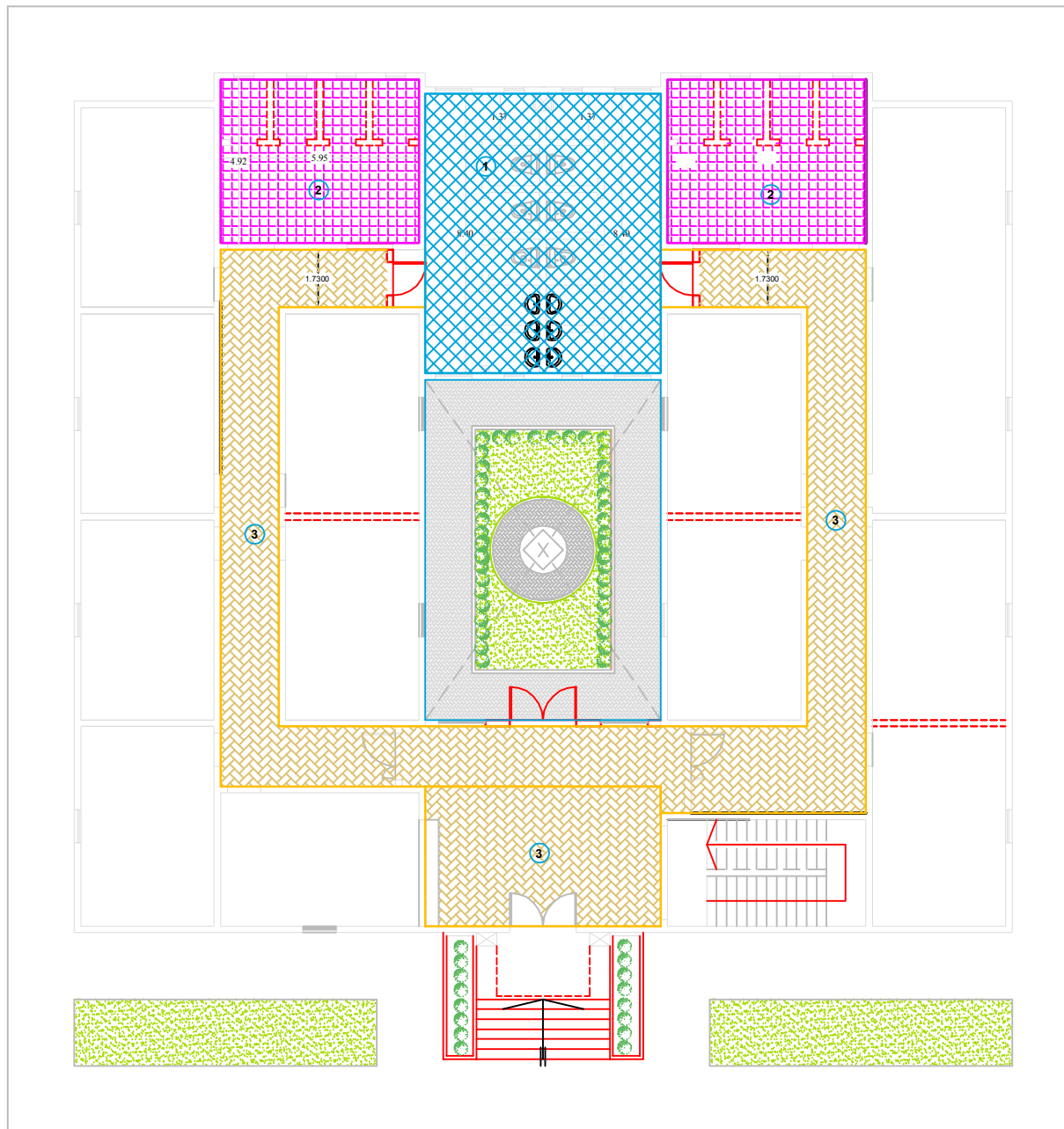




## Ground floor



**First floor**



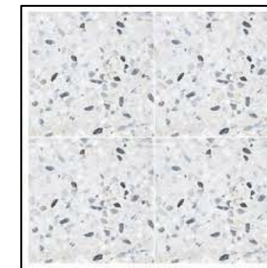
**Ground floor**




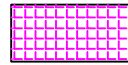

**Ceramic tiles**

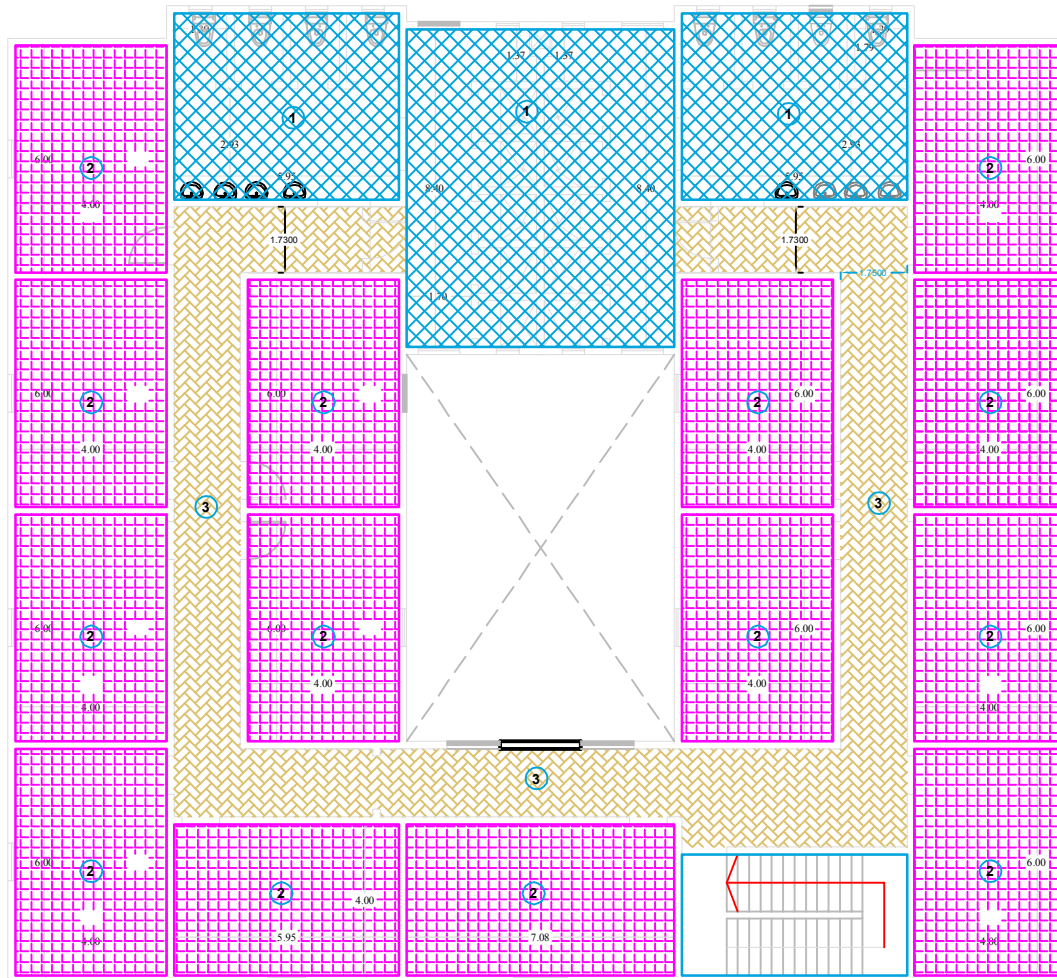


**Porcelain tiles**



**Mosaic tiles**

Types of tiles		
1		Ceramic tiles
2		Mosaic tiles
3		Porcelain tiles



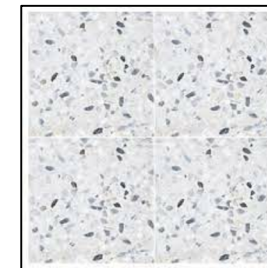
**First floor**




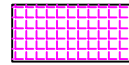

**Ceramic tiles**

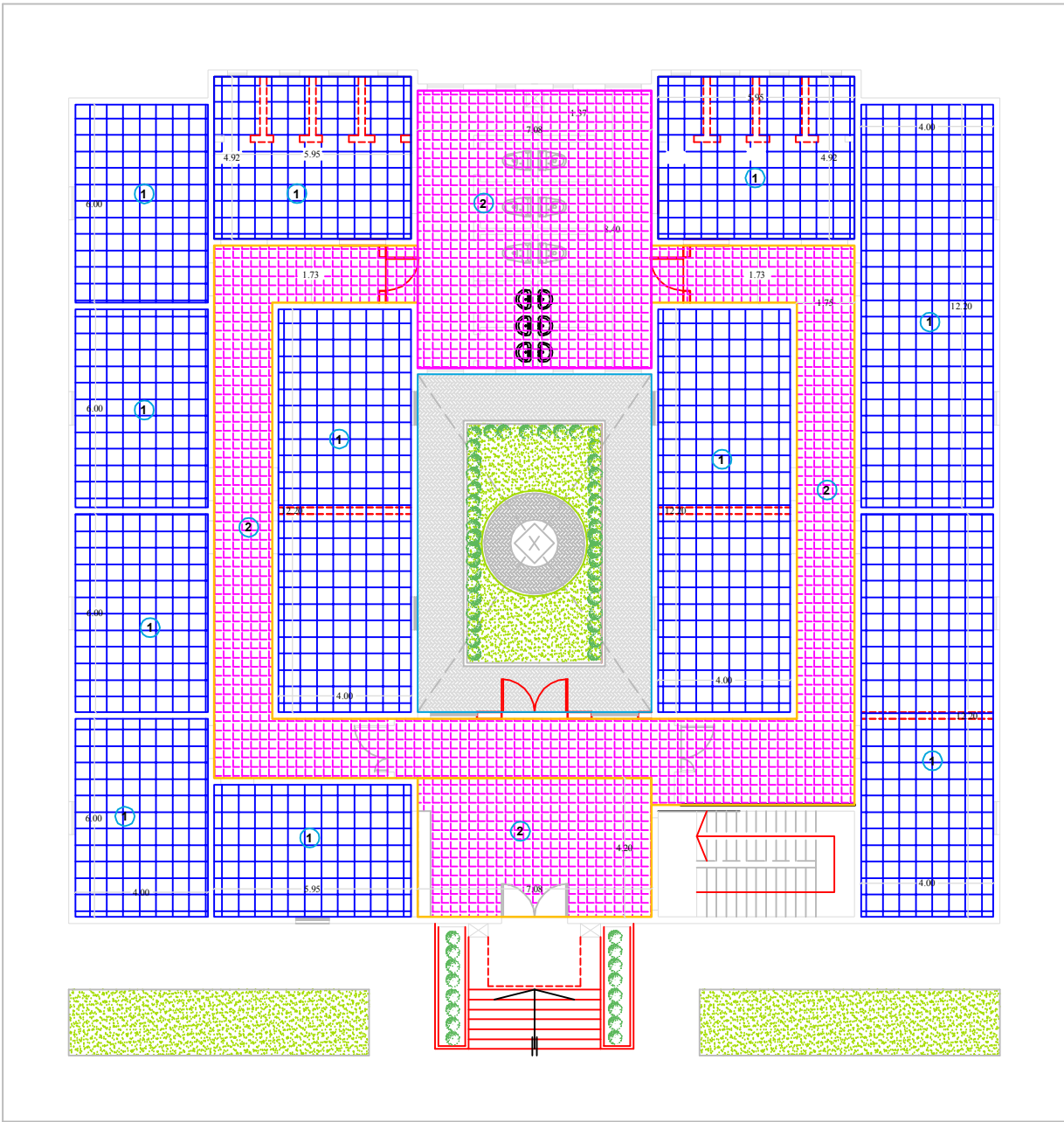


**Porcelain tiles**



**Mosaic tiles**

Types of tiles		
1		Ceramic tiles
2		Mosaic tiles
3		Porcelain tiles





**Ground floor**



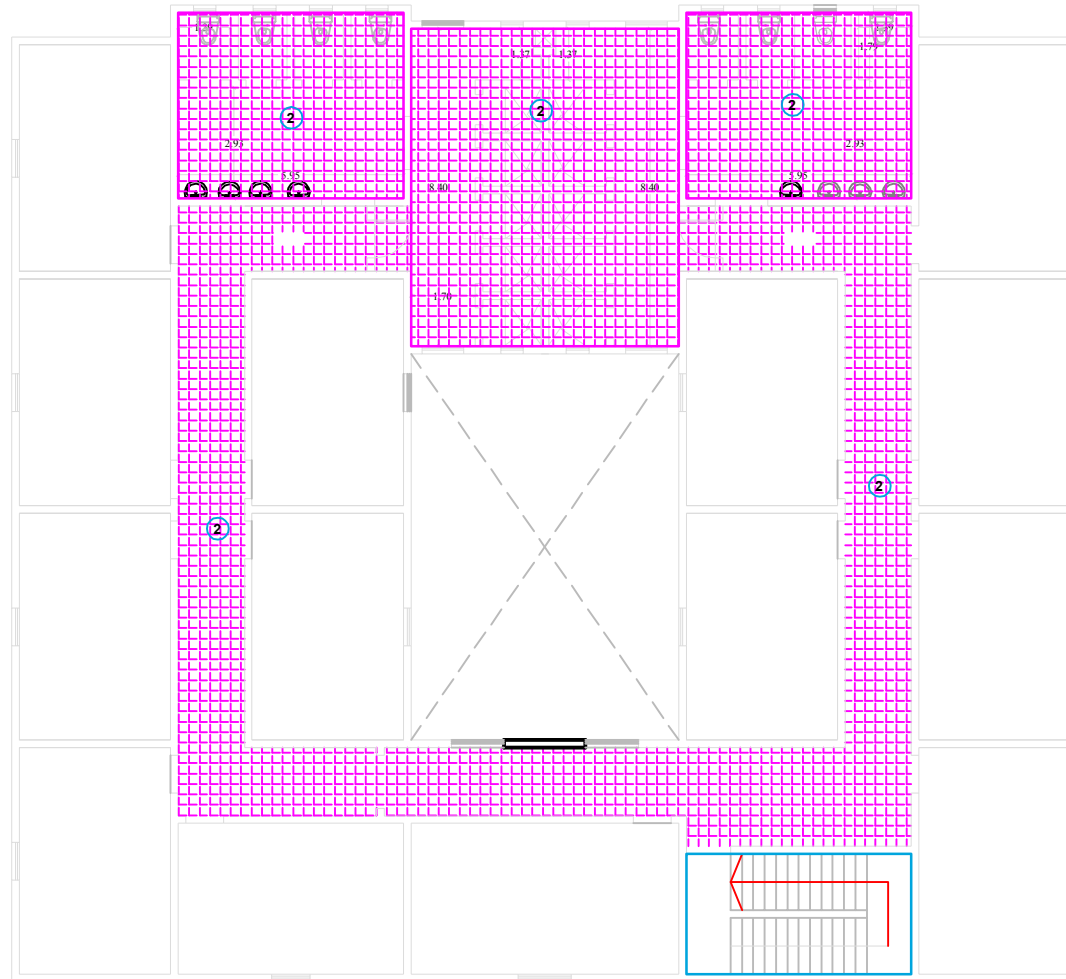
**Suspended ceiling**



**Gypsum ceiling**

Types of suspended ceilings		
1		Suspended ceiling
2		Gypsum ceiling

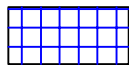



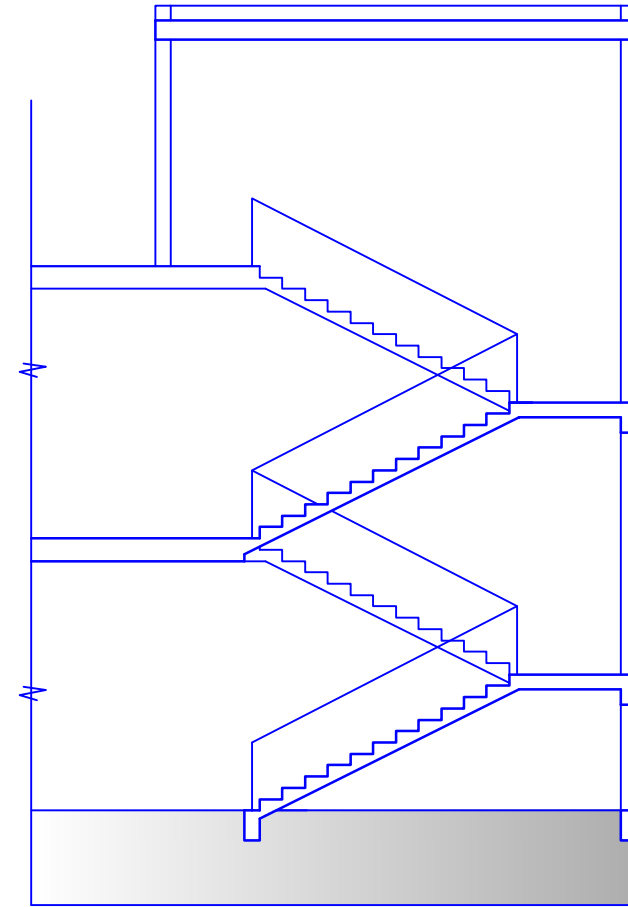
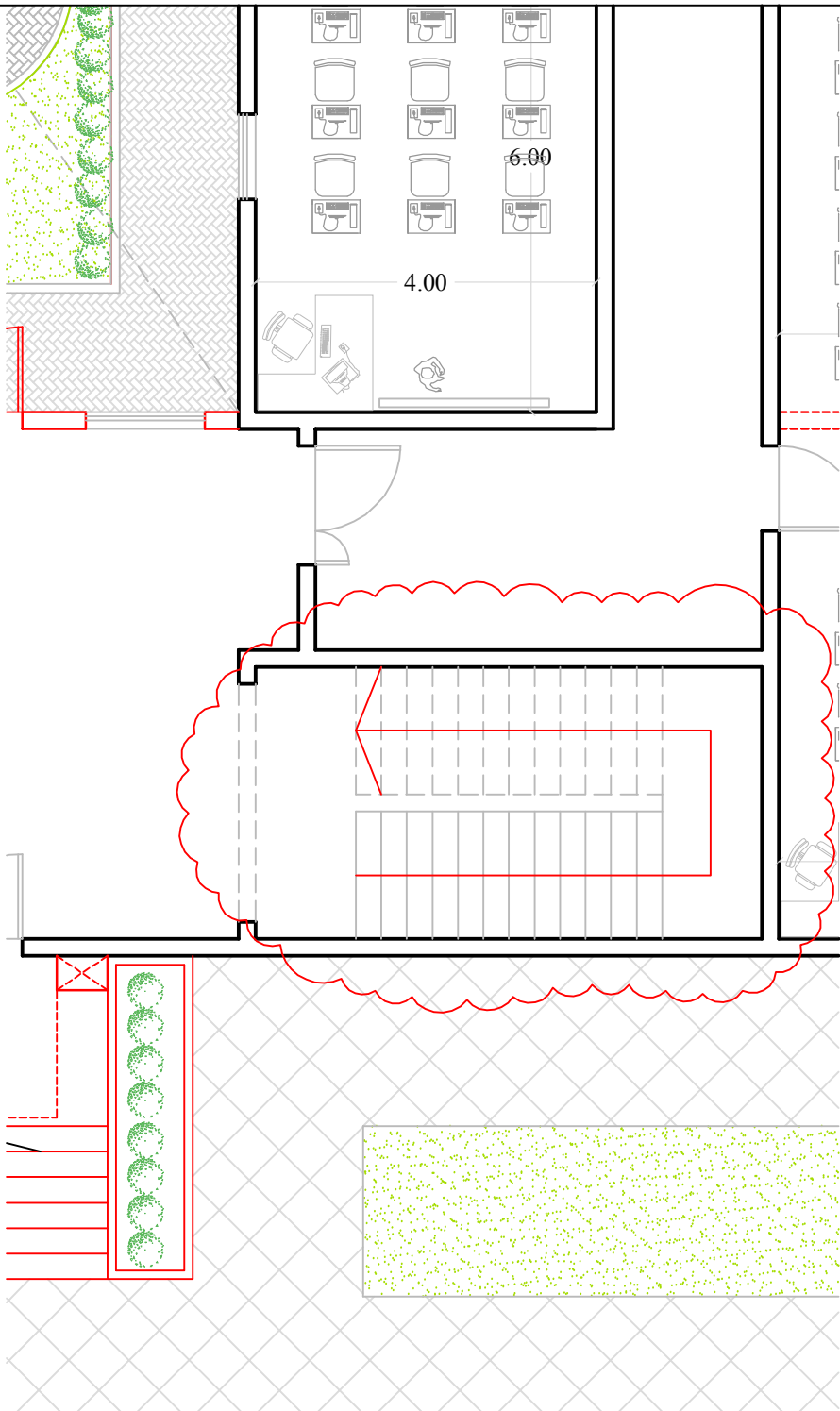


**First floor**

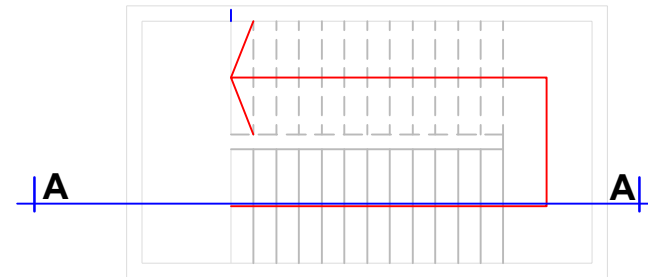


**Gypsum ceiling**

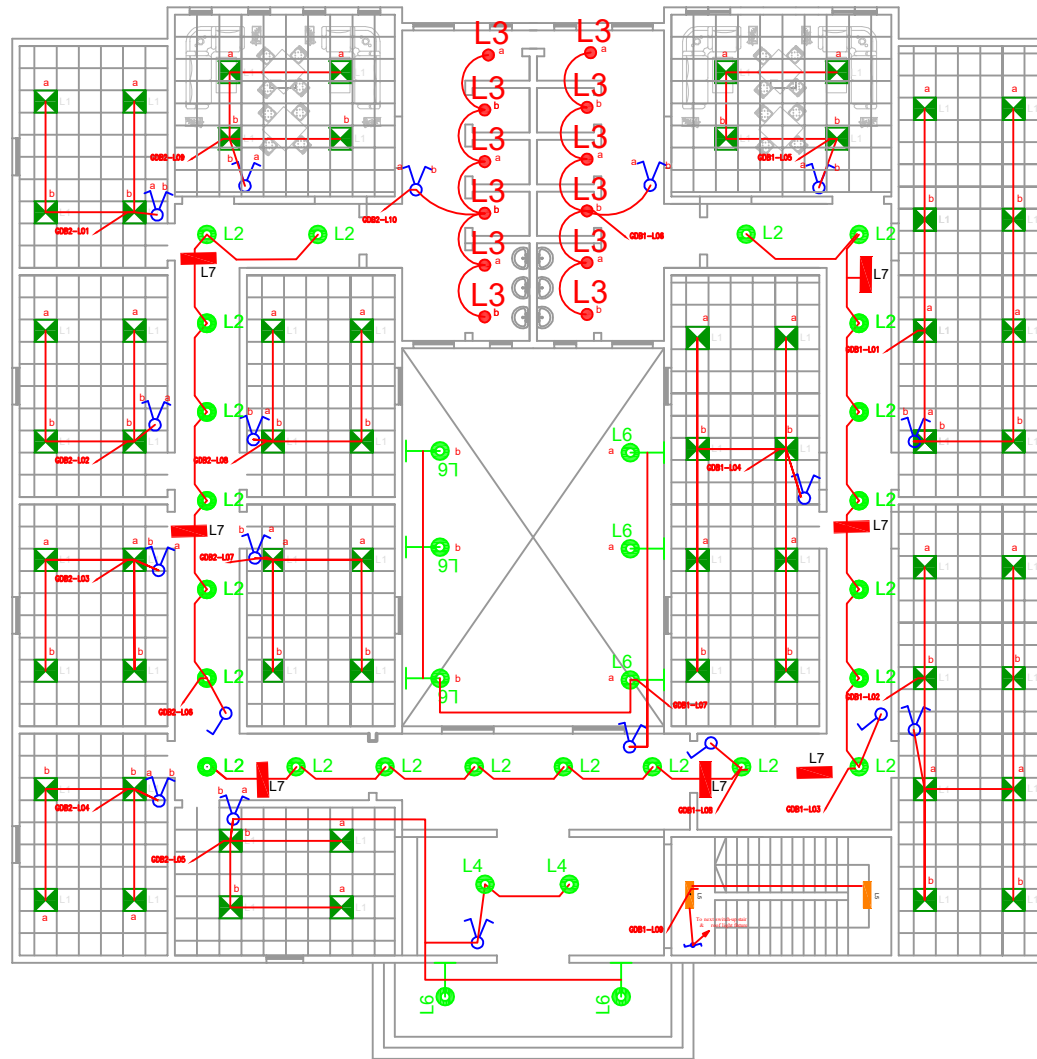
Types of suspended ceilings		
<b>1</b>		Suspended ceiling
<b>2</b>		Gypsum ceiling

























**SEC A-A**



# LIGHTING LAYOUT-GROUND FLOOR

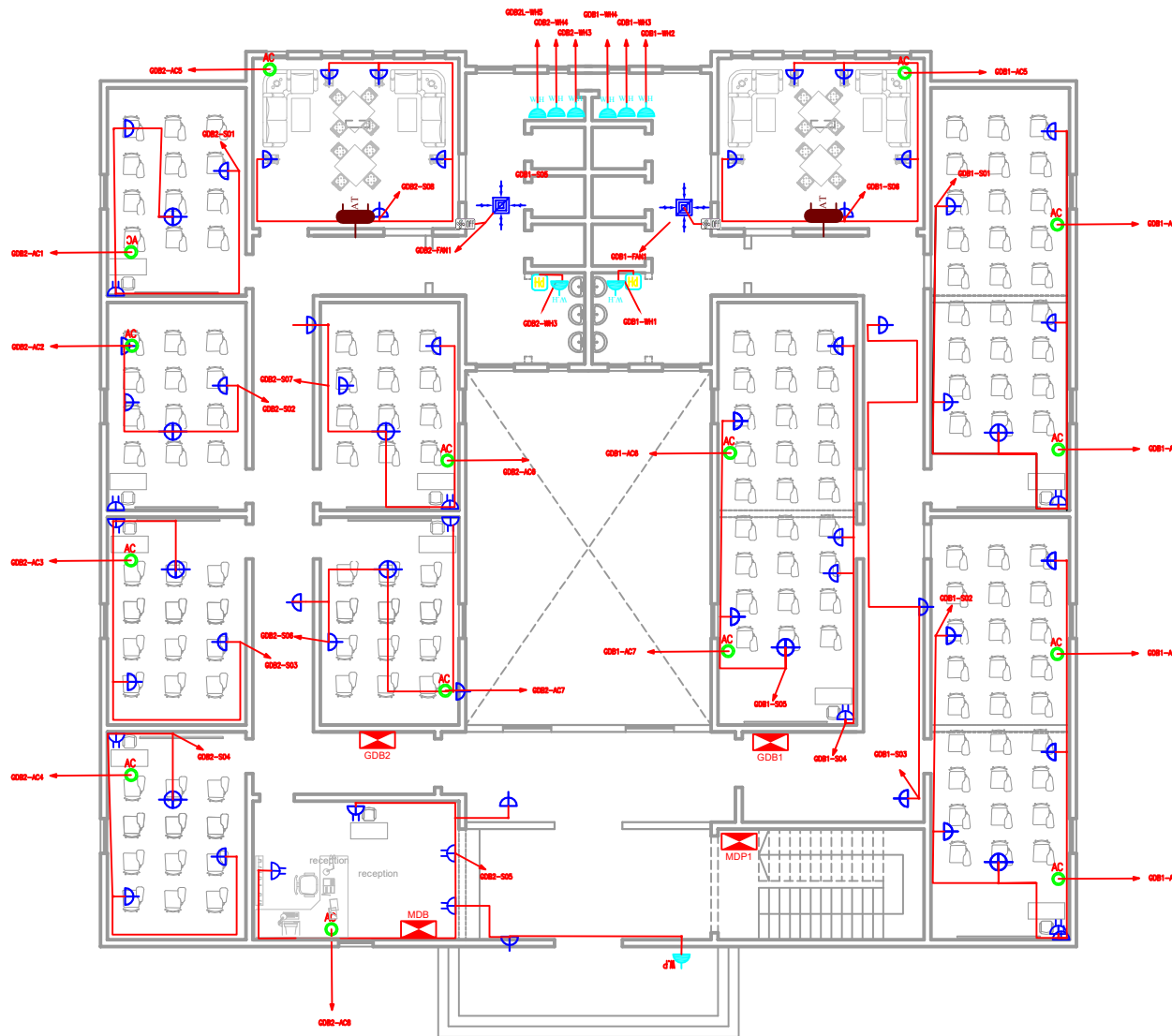


LUMINAIRE SYMBOL	PROJECT CODE	LUMINAIRE TYPE	PRODUCT PHOTO
	L1	LED 600mmx600mm Slim Panel 72Watt	
	L2	LED SpotLight 21 Watt 217mm Diameter	
	L3	Spotlight IP65 15 Watt 85 mm Diameter	
	L4	Surface-mounted LED Downlight IP65 200 mm Diameter 19 WATT	
	L5	Surface-mounted LED Panel 300 mm X 600mm 45 WATT	
	L6	wall-mounted LED Downlight IP65	
	S1	Exit sign luminaire with 1X8W, LED Lamp	
		One-way switch, 1P 16A 250 Vac	
	S2	One-way switch, 2P 16A 250 Vac	
	S3	Two-way switch, 1P 16A 250 Vac	
	S4	Fan control switch	

Ground floor



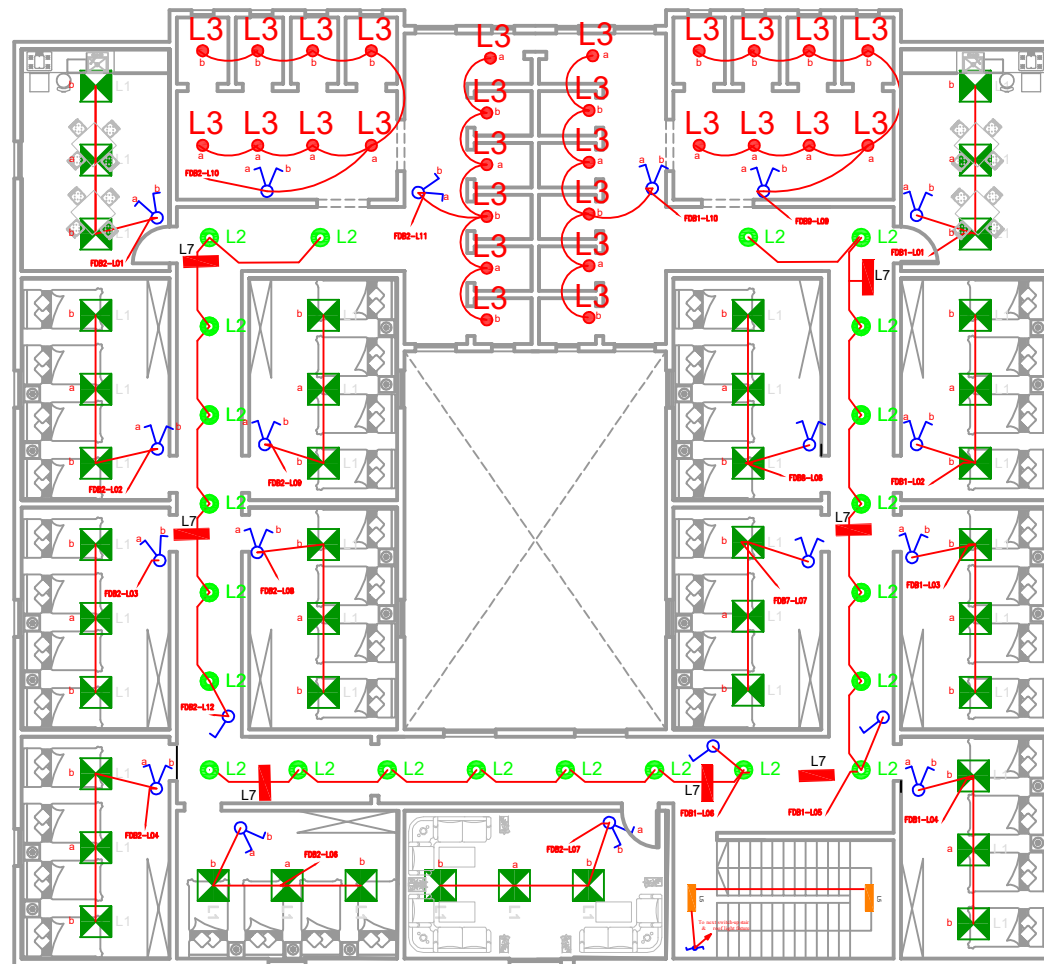
# POWER OUTLET LAYOUT-GROUND FLOOR



LEGEND	
	SINGLE NORMAL SOCKET 220 V, 16 A (PV system)
	DOUBLE NORMAL SOCKET 220 V, 16 A (PV System)
	SINGLE NORMAL SOCKET OUTLET 220 V, 16 A, FOR WATER HEATER
	SINGLE WEATHER PROOF SOCKET OUTLET 220 V, 16 A
	AIR CONDITIONER OUTLET POWER
	HAND DRYER OUTLET
	1 GANG SAT OUTLET
	DISTRIBUTION BOARD

Ground floor

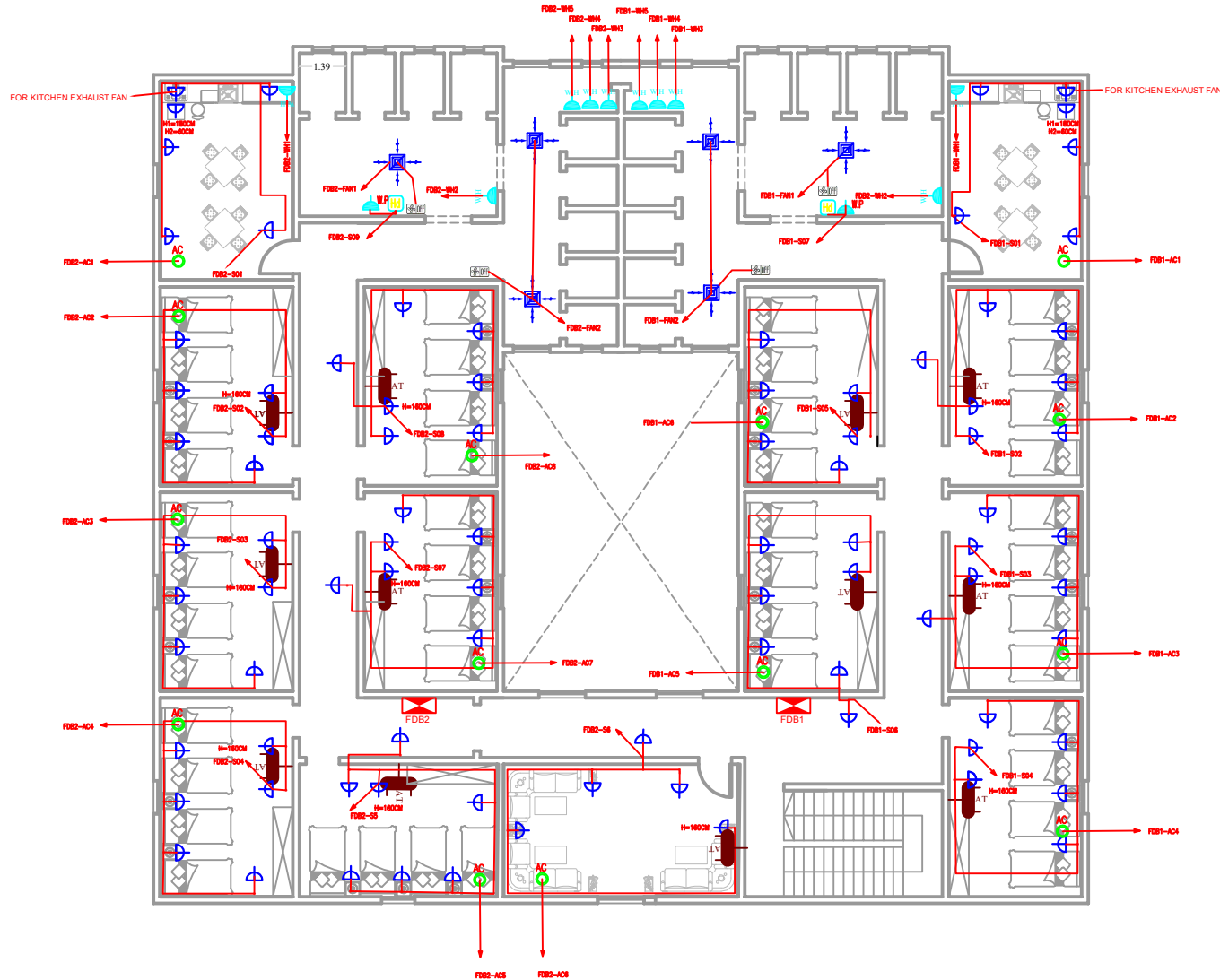
## LIGHTING LAYOUT- FIRST FLOOR



LUMINAIRE SYMBOL	PROJECT CODE	LUMINAIRE TYPE	PRODUCT PHOTO
	L1	LED 600mmx600mm Slim Panel 72Watt	
	L2	LED SpotLight 21 Watt 217mm Diameter	
	L3	Spotlight IP65 15 Watt 85 mm Diameter	
	L4	Surface-mounted LED Downlight IP65 200 mm Diameter 19 WATT	
	L5	Surface-mounted LED Panel 300 mm X 600mm 45 WATT	
	L6	wall-mounted LED Downlight IP65	
	S1	Exit sign luminaire with 1X8W, LED Lamp	
		One-way switch, 1P 16A 250 Vac	
	S2	One-way switch, 2P 16A 250 Vac	
	S3	Two-way switch, 1P 16A 250 Vac	
	S4	Fan control switch	

# First Floor

## POWER OUTLET LAYOUT-FIRST FLOOR

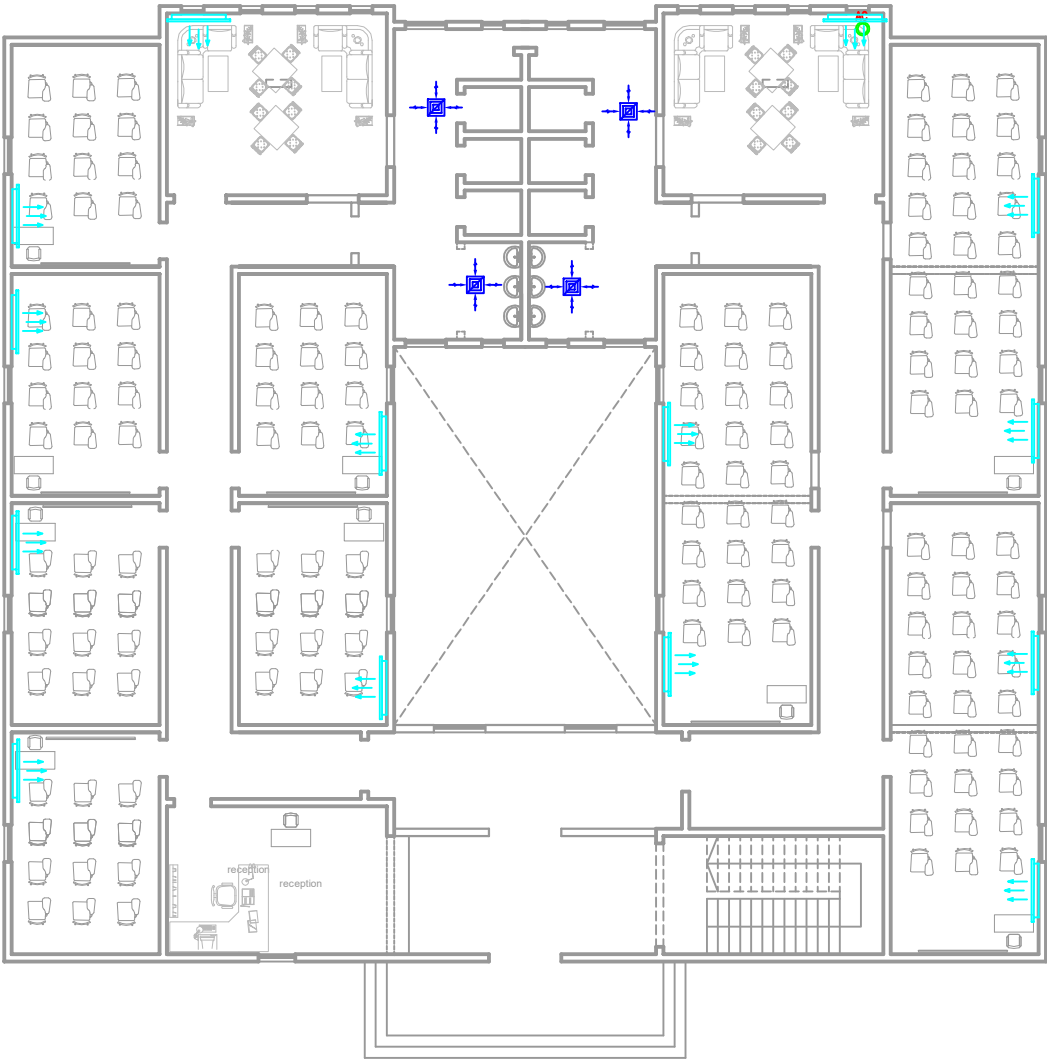




### LEGEND

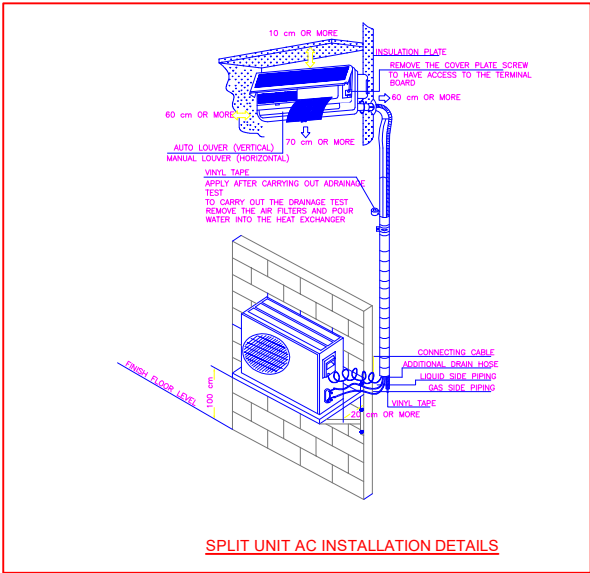
	SINGLE NORMAL SOCKET 220 V, 16 A (PV system)
	DOUBLE NORMAL SOCKET 220 V, 16 A (PV System)
	SINGLE NORMAL SOCKET OUTLET 220 V, 16 A, FOR WATER HEATER
	SINGLE WEATHER PROOF SOCKET OUTLET 220 V, 16 A
	AIR CONDITIONER OUTLET POWER
	HAND DRYER OUTLET
	1 GANG SAT OUTLET
	DISTRIBUTION BOARD

# First Floor

SPLIT UNIT AIR CONDITIONERS & VENTILATION SYSTEM LAYOUT-GROUND FLOOR

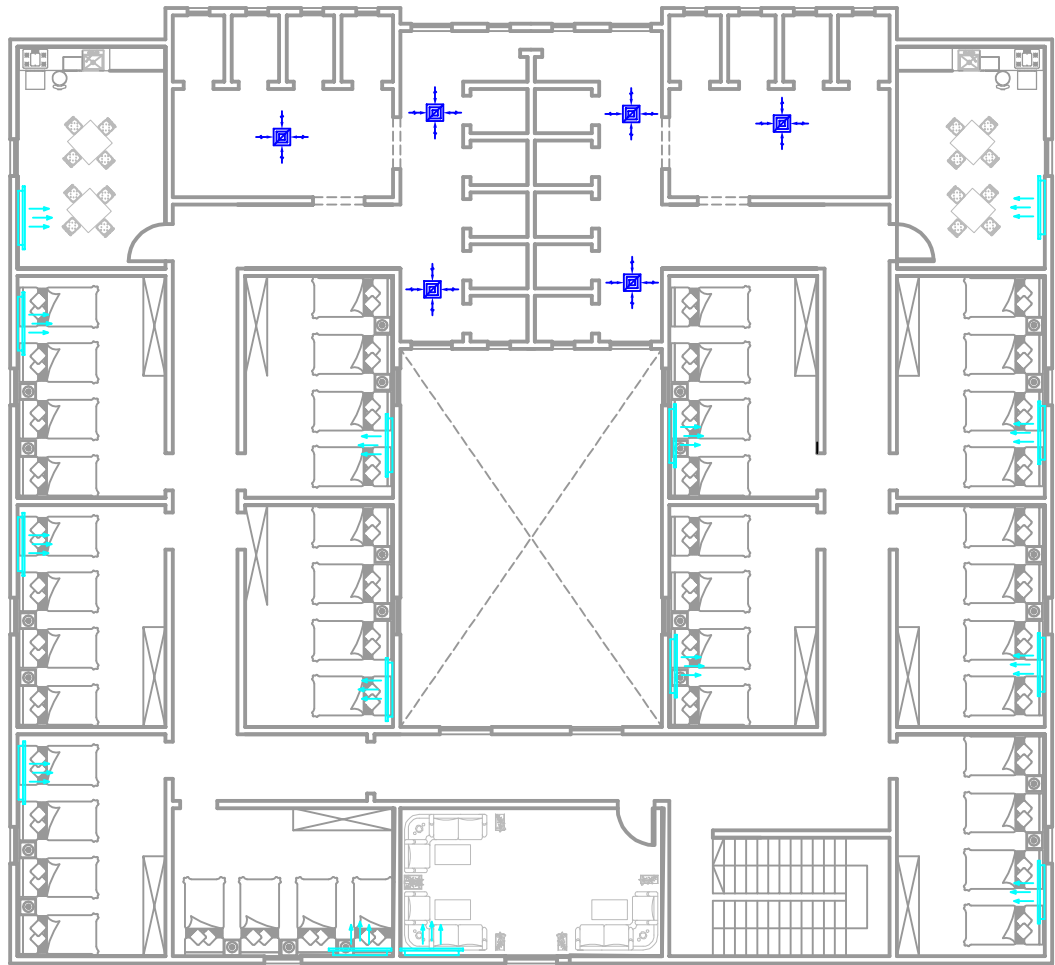




LEGEND	
	18,000 BTU SPLIT UNIT AIR CONDITIONER
	CEILING MOUNTED EXHAUST FAN

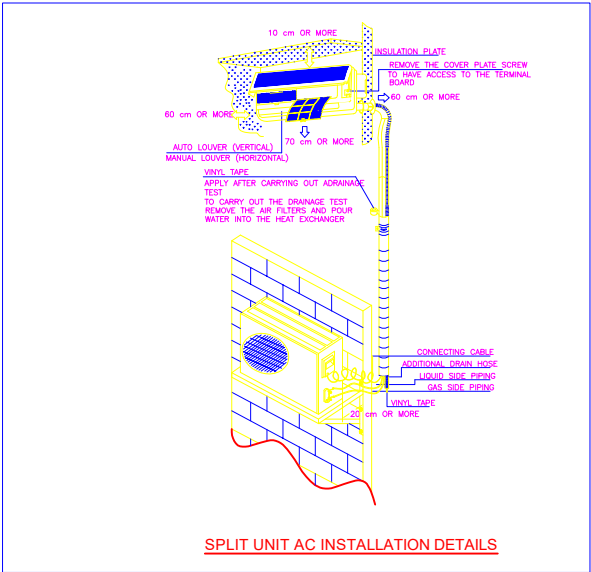


Ground floor

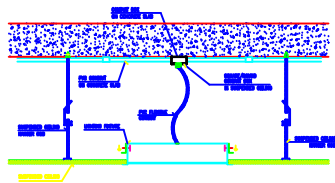
SPLIT UNIT AIR CONDITIONERS & VENTILATION SYSTEM LAYOUT-FIRST FLOOR



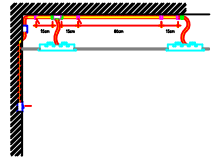
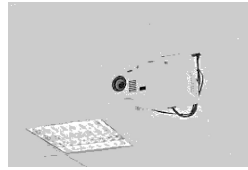
LEGEND	
	18,000 BTU SPLIT UNIT AIR CONDITIONER
	CEILING MOUNTED EXHAUST FAN



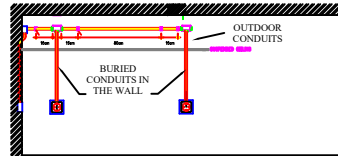
First Floor



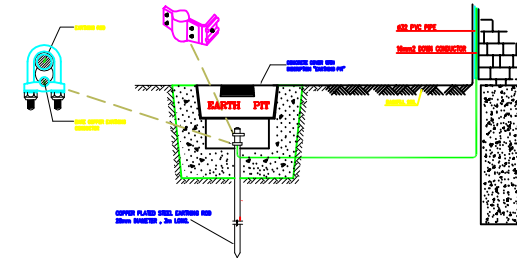
TYPICAL FLUORESCENT FIXTURE SURFACE MOUNTED CONDUIT INSTALLATION IN SUSPENDED CEILING CONNECTION DETAIL



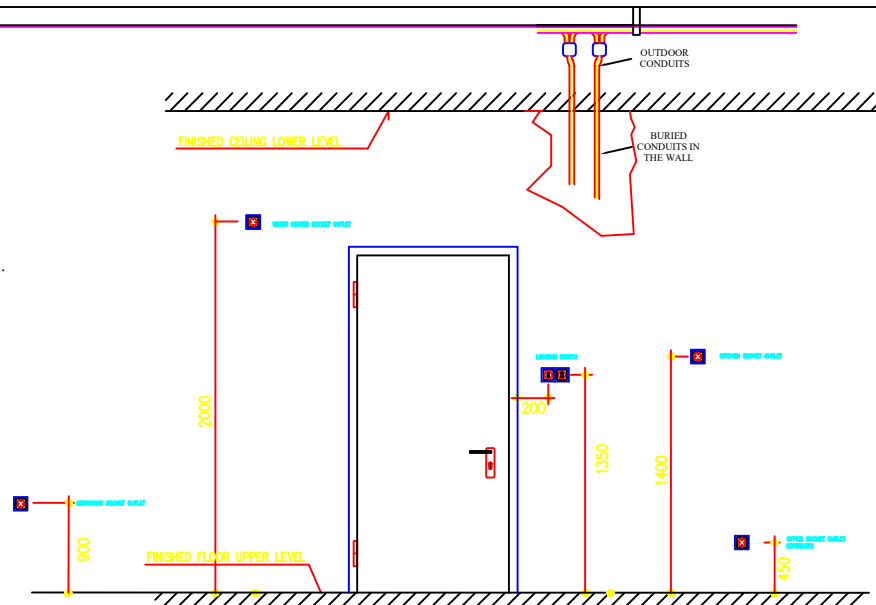
TYPICAL SURFACE MOUNTED & BURIED CONDUITS INSTALLATION FOR LIGHTING FIXTURES



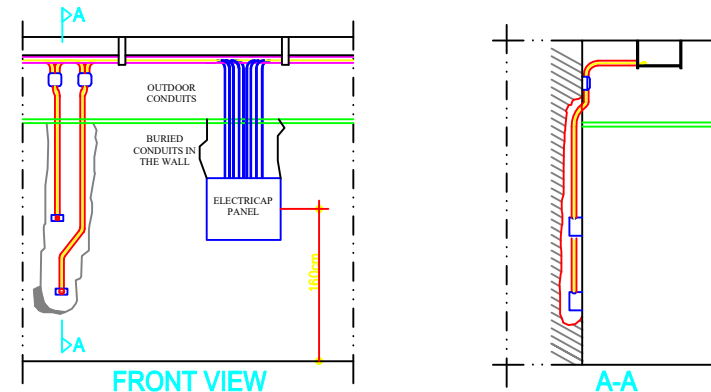
TYPICAL CONDUITS INSTALLATION FOR SOCKET OUTLETS



EARTH PIT DETAILS



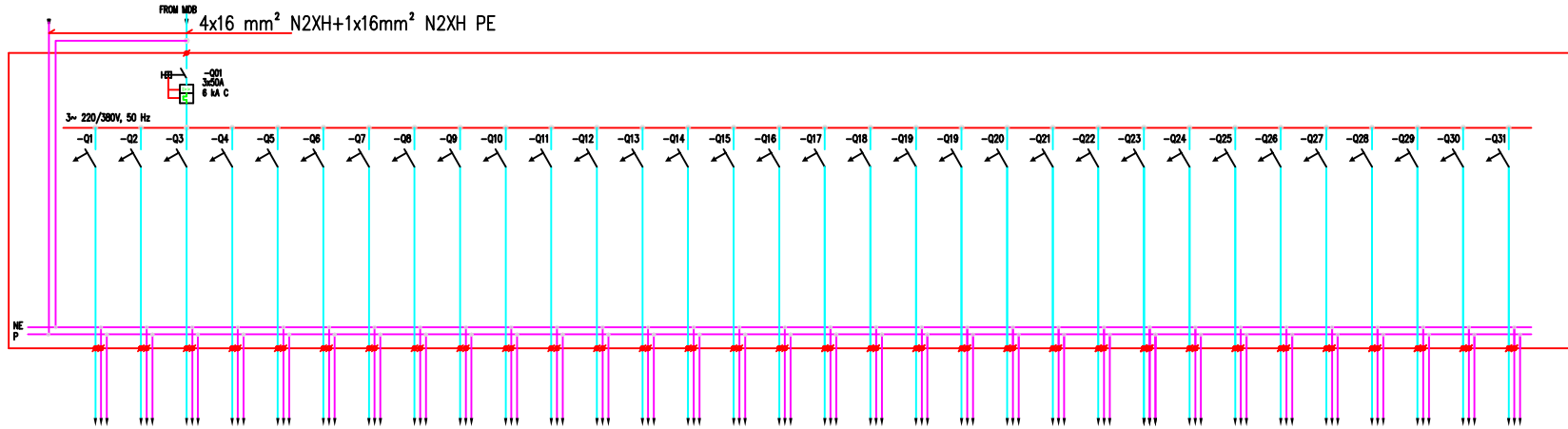
WALL EQUIPMENTS HEIGHTS



DETAIL SHOWING CABLE INTAKE FROM A SUSPENDED CEILING TO A WALL CONCEALED CONDUIT

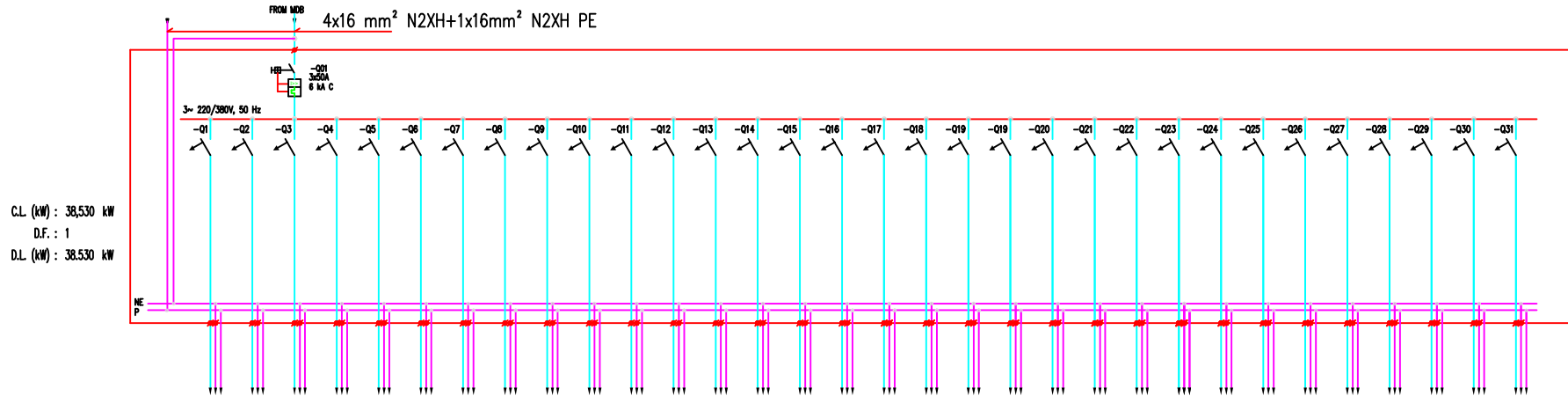
# GDB1-DISTRIBUTION PANEL- 36 LINES

C.L. (kW) : 37,170 kW  
D.F. : 1  
D.L. (kW) : 37.170 kW



	LIGHTING GDB1-L01	LIGHTING GDB1-L02	LIGHTING GDB1-L03	LIGHTING GDB1-L04	LIGHTING GDB1-L05	LIGHTING GDB1-L06	LIGHTING GDB1-L07	LIGHTING GDB1-L08	LIGHTING GDB1-L09	POWER SOCKET GDB1-S01	POWER SOCKET GDB1-S02	POWER SOCKET GDB1-S03	POWER SOCKET GDB1-S04	POWER SOCKET GDB1-S05	POWER SOCKET GDB1-S06	EXHAUST FAN GDB1-FAN1	WATER HEATER GDB1-WH1	WATER HEATER GDB1-WH2	WATER HEATER GDB1-WH3	WATER HEATER GDB1-WH4	AIR CONDITIONER GDB1-AC1	AIR CONDITIONER GDB1-AC2	AIR CONDITIONER GDB1-AC3	AIR CONDITIONER GDB1-AC4	AIR CONDITIONER GDB1-AC5	AIR CONDITIONER GDB1-AC6	AIR CONDITIONER GDB1-AC7	WATER PUMP GDB1-WP	SPARE	SPARE	SPARE	SPARE	
RELATED AREA																																	
CIRCUIT NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
PHASE NAME	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L1	L2	L3	L2	L3	
TERMINAL NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	
MCB/CB RATING (A)	1x10	1x10	1x10	1x10	1x10	1x10	1x10	1x10	1x10	1x20	1x20	1x20	1x20	1x20	1x20	1x16	1x20	1x20	1x20	1x20	1x20	1x20	1x20	1x20	1x20	1x20	1x16	1x16	1x16	1x20	1x20		
MCB CHARACTERISTICS	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	6 KA C	
CONTACTOR (A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
THERMIC RELAY (A)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CABLE (N2XH 2C/E)	3x2.5	3x2.5	3x2.5	3x2.5	3x2.5	3x2.5	3x2.5	3x2.5	3x2.5	3x4	3x4	3x4	3x4	3x4	3x4	3x2.5	3x4	3x4	3x4	3x4	3x4	3x4	3x4	3x4	3x4	3x4	3x4	3x4	3x4	3x2.5	-	-	-
INSTALLED POWER (kW)	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	1.66	1.66	1.66	1.66	1.66	1.66	0.95	1.80	1.80	1.80	1.80	1.68	1.68	1.68	1.68	1.68	1.68	1.68	1.00	-	-	-	-	

# GDB2-DISTRIBUTION PANEL-36 LINES

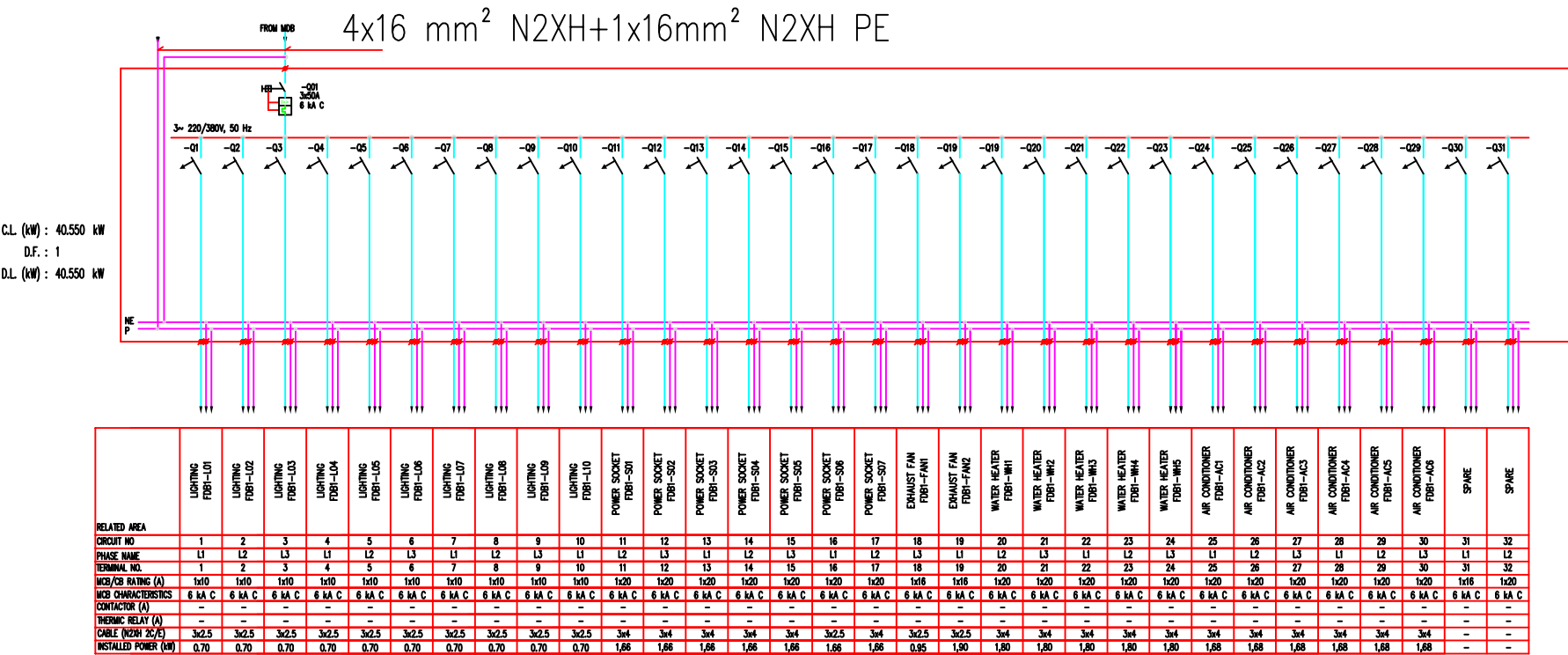


C.L. (kW) : 38,530 kW  
D.F. : 1  
D.L. (kW) : 38,530 kW

RELATED AREA	LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHTING		LIGHT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FDB1-DISTRIBUTION PANEL-36 LINES



Interational Organization For Migration

Electrical Drawing Design

SINGLE LINE DIAGRAM

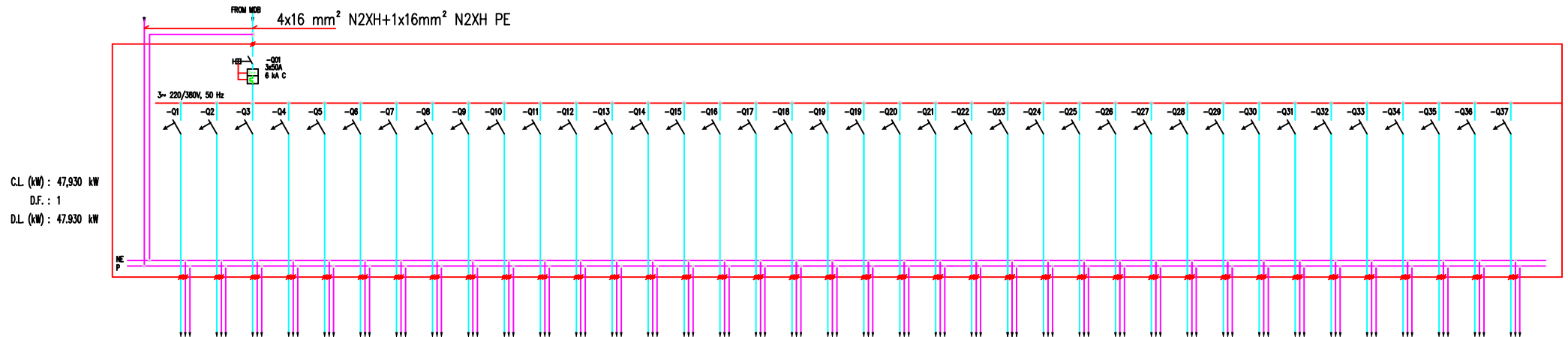
Ministry of Interior Libyan Border Guards  
Training Center Rehabilitation HQ - Tripoli

Date: 31/01/2024

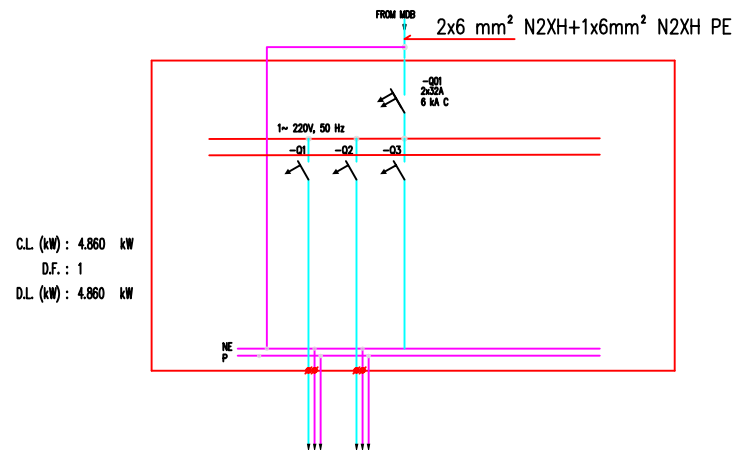
PLAN No. : (EE 10/13 )

Revision: 02

## FDB2-DISTRIBUTION PANEL-48 LINES

[illegible]

# DB-ROOF-DISTRIBUTION PANEL-12 LINES



RELATED AREA	LIGHTING 400 watt floodlights	SOCKET OUTLET	SPACE
CIRCUIT NO	1	2	2
TERMINAL NO.	1,2	3,4	5,6
MOB/CB RATING (A)	2x16	2x20	2x16
MOB CHARACTERISTICS	6 kA C	6 kA C	6 kA C
CONTACTOR (A)	YES	-	-
THERMIC RELAY (A)	YES	-	-
CABLE (N2XH 2C/E)	3x4	3x4	-
INSTALLED POWER (kW)	3.20	1.66	-



# MDP1-DISTRIBUTION PANEL

