



Federal Government Employees Housing Authority (FGEHA)

Technical Directorate

BIDDING DOCUMENT

Project Titled

**“Rehabilitation/Construction of Boundary Wall, Installation of CCTV
Cameras, Flood Lights and E-Fencing at Lifestyle Residency
Apartments G-13/1, Islamabad.”**

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**INVITATION
FOR
BIDS**



FEDERAL GOVERNMENT EMPLOYEES HOUSING AUTHORITY
DIRECTORATE OF TECHNICAL
10- MAUVE AREA, G-10/4, ISLAMABAD



INVITATION TO E-BIDS THROUGH E-PADS

Federal Government Employees Housing Authority (FGEHA) is inviting e-bids through the E-PADS, PPRA platform for the project titled "Rehabilitation/Construction of Boundary Wall, Installation of CCTV Cameras, Flood Lights and E-Fencing at Lifestyle Residency Apartments G-13/1, Islamabad." under Single Stage One Envelope (SSOE) bidding procedure from the firms/companies/contractors having proof of valid registration until 30-06-2026 with the Pakistan Engineering Council (PEC) in Category C-6 or above with relevant codes CE10, EE02 & EE11 and having valid income tax registration with the Federal Board of Revenue (FBR) with following terms & conditions:

1. Detail of documents to determine eligibility of firms/companies/contractors is as under :-
 - i. Bid Security Instrument: Rs. 400,000/- Lump Sum in shape of CDR in favor of Project Director (Lifestyle Residency Apartment G-13), FGEHA.
 - ii. Proof of at least Four similar nature of works, two in each category (Civil & Electrical) with minimum contract amount of fifteen (15) million or above during the last three years (LOA/Work Order & Completion Certificate) pertaining to:
 - Construction of Boundary Wall/building or any civil work.
 - Electrical work specifically related to Installation of CCTV Cameras, Flood Lights and E-Fencing.
 - iii. Proof of valid registration until 30-06-2026 with the Pakistan Engineering Council (PEC) in Category C-6 or above with relevant codes CE10, EE02 & EE11.
 - iv. An affidavit on stamp paper of minimum worth Rs.100/- stating that the firm/company/contractor has not been blacklisted from any Government Department/Organization at the time of submission of bid.
2. Interested firms/companies/contractors which are eligible as per Serial No. 01 may download the bidding documents / NIT, which include detailed terms and conditions, free of cost from the FGEHA's website (www.fgeha.gov.pk), the PPRA's website (www.ppra.org.pk), and E-PADS (<https://eprocure.gov.pk>).
3. Interested bidders are encouraged to visit the project site to understand existing conditions and the nature of the work.
4. The Proposals (containing scanned copies of all documents at Serial No. 01) prepared in accordance with the instructions provided in the NIT / bidding document must be uploaded/ submitted through E-PADS by 21-07-2026 (Tuesday) at 11:00 AM. The Bids will be opened on the same day at 11:30 AM at the Site office, Lifestyle Residency Apartments G-13/1, Islamabad, in presence of bidders or their authorized representative who choose to attend.
5. Further, a hard copy of the proposal (containing scanned copies of all documents at Serial No. 01) and Original CDR are compulsory to be submitted to the tender opening committee on the opening day before the e-bid submission deadline i.e. 11:00 AM. If failed to submit original CDR and said documents within stipulated time would lead to disqualification or non-responsiveness.
6. In case of submission of any fake information / document such as CDR/ Receipt (will be verified from the concern bank) the contractor / firm will be disqualified from the current tendering procedure and will be blacklisted to participate in any tendering process of FGEHA. Further recommendation to PPRA and PEC will also be made against such firm /contractor for appropriate action / blacklisting.
7. All the applicable Federal/Provincial taxes must be considered while preparing the bids and shall be considered included in the quoted rates.
8. In case of any technical difficulty in using E-PADS, prospective bidders may contact PPRA Team, Director MIS, Room No.109, 1st Floor, FBC building Sector G-5/2, Islamabad Contact No.051-111-137-237.
9. FGEHA reserves the right to reject any or all bids as per PPRA rules. The decision of FGEHA shall be final and binding on all bidders under rule 33 of PPRA.

Project Director (Lifestyle Residency Apartments G-13),
Federal Government Employees Housing Authority (FGEHA),
Site Office, Lifestyle Residency Apartments, G-13/1, Islamabad.
www.fgeha.gov.pk

**INSTRUCTIONS
TO BIDDERS
&
BIDDING DATA**

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INSTRUCTIONS TO BIDDERS

(Note: These Instructions to Bidders (IB) alongwith Bidding Data will not be part of Contract and will cease to have effect once the Contract is signed).

A. GENERAL

IB.1 Scope of Bid & Source of Funds

1.1 Scope of Bid

The Employer as defined in the Bidding Data (hereinafter called “the Employer”) wishes to receive Bids for the Works summarized in the Bidding Data (hereinafter referred to as “the Works”).

Bidders must quote for the complete scope of work. Any Bid covering partial scope of work will be rejected as non-responsive.

1.2 Source of Funds

The Employer has arranged funds from its own sources. [Self Financing]

IB.2 Eligible Bidders

2.1 Bidding is open to all firms and persons meeting the following requirements:

- a) duly licensed by the Pakistan Engineering Council (PEC) in the appropriate category for value of Works.

IB.3 Cost of Bidding

3.1 The bidder shall bear all costs associated with the preparation and submission of its bid and the Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

B. BIDDING DOCUMENTS

IB.4 Contents of Bidding Documents

4.1 In addition to Invitation for Bids, the Bidding Documents are those stated below, and should be read in conjunction with any Addendum issued in accordance with Sub-Clause IB.6.1.

1. Instructions to Bidders & Bidding Data
2. Form of Bid & Schedules to Bid
Schedules to Bid comprise the following:
 - (i) Schedule A: Schedule of Prices
 - (ii) Schedule B: Specific Works Data
 - (iii) Schedule C: Works to be Performed by Subcontractors **(Not Allowed)**
 - (iv) Schedule D: Proposed Programme of Works
 - (v) Schedule E: Method of Performing Works
 - (vi) Schedule F: Integrity Pact
3. Conditions of Contract & Contract Data
4. Standard Forms:
 - (i) Form of Bid Security
 - (ii) Form of Performance Security
 - (iii) Form of Contract Agreement
 - ~~(iv) Form of Bank Guarantee for Advance Payment~~
5. Specifications
6. Drawings, if any

IB.5 Clarification of Bidding Documents

- 5.1 A prospective bidder requiring any clarification(s) in respect of the Bidding Documents may notify the Engineer/Employer at the Employer's/Engineer's address indicated in the Bidding Data.
- 5.2 The Engineer/Employer will respond to any request for clarification which it receives earlier than ten (10) days prior to the deadline for the submission of Bids. Copies of the Engineer/Employer's response will be forwarded to all prospective bidders, at least five (5) days prior to dead line for submission of Bids, who have received the Bidding Documents including a description of the enquiry but without identifying its source.

IB.6 Amendment of Bidding Documents

- 6.1 At any time prior to the deadline for submission of Bids, the Employer may, for any reason, whether at his own initiative or in response to a clarification requested by a prospective bidder, modify the Bidding Documents by issuing addendum.
- 6.2 Any addendum thus issued shall be part of the Bidding Documents pursuant to Sub-Clause 6.1 hereof, and shall be communicated in writing to all purchasers of the Bidding Documents. Prospective bidders shall acknowledge receipt of each addendum in writing to the Employer.

- 6.3 To afford prospective bidders reasonable time in which to take an addendum into account in preparing their Bids, the Employer may at its discretion extend the deadline for submission of Bids.

C. PREPARATION OF BIDS

IB.7 Language of Bid

- 7.1 The bid prepared by the bidder and all correspondence and documents relating to the Bid, exchanged by the bidder and the Employer shall be written in the English language, provided that any printed literature furnished by the bidder may be written in another language so long as accompanied by an English translation of its pertinent passages in which case, for purposes of interpretation of the Bid, the English translation shall govern.

IB.8 Documents Comprising the Bid

- 8.1 The bid prepared by the bidder shall comprise the following components:
- (a) Covering Letter
 - (b) Form of Bid duly filled, signed and sealed, in accordance with Sub-Clause IB.14.3.
 - (c) Schedules (A to F) to Bid duly filled and initialed, in accordance with the instructions contained therein & in accordance with Sub-Clause IB14.3.
 - (d) Bid Security furnished in accordance with Clause IB.13.
 - (e) Power of Attorney in accordance with Sub-Clause IB 14.5.
 - (f) Documentary evidence in accordance with Clause IB.11
 - (g) Documentary evidence in accordance with Clause IB.12.

IB.9 Sufficiency of Bid

- 9.1 Each bidder shall satisfy himself before Bidding as to the correctness and sufficiency of his Bid and of the rates and prices entered in the Schedule of Prices, which rates and prices shall except in so far as it is otherwise expressly provided in the Contract, cover all his obligations under the Contract and all matters and things necessary for the proper completion of the Works.

- 9.2 The bidder is advised to obtain for himself at his own cost and responsibility all information that may be necessary for preparing the bid and entering into a Contract for execution of the Works.

IB.10 Bid Prices, Currency of Bid and Payment

- 10.1 The bidder shall fill up the Schedule of Prices (Schedule A to Bid) indicating the unit rates and prices of the Works to be performed under the Contract. Prices in the Schedule of Prices shall be entered keeping in view the instructions contained in the Preamble to Schedule of Prices.
- 10.2 Unless otherwise stipulated in the Conditions of Contract, prices quoted by the bidder shall remain fixed during the bidder's performance of the Contract and not subject to variation on any account.
- 10.3 The unit rates and prices in the Schedule of Prices shall be quoted by the bidder in the currency as stipulated in Bidding Data.

IB.11 Documents Establishing Bidder's Eligibility and Qualifications

- 11.1 Pursuant to Clause IB.8, the bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.
- 11.2 Bidder/Manufacturer must possess and provide evidence of its capability and the experience as stipulated in Bidding Data and the Qualification Criteria stipulated in the Bidding Documents.

IB.12 Documents Establishing Works' Conformity to Bidding Documents

- 12.1 The documentary evidence of the Works' conformity to the Bidding Documents may be in the form of literature, drawings and data and the bidder shall furnish documentation as set out in Bidding Data.
- 12.2 The bidder shall note that standards for workmanship, material and equipment, and references to brand names or catalogue numbers, if any, designated by the Employer in the Technical Provisions are intended to be descriptive only and not restrictive.

IB.13 Bid Security

- 13.1 Each bidder shall furnish, as part of his bid, at the option of the bidder, a Bid Security in the amount stipulated in Bidding Data in Pak. Rupees in the form of Deposit at Call ~~or a Bank Guarantee issued by a Scheduled Bank in Pakistan or an insurance company having atleast AA rating from PACRA/JCR~~ in favour of the Employer valid for a period up to twenty eight (28) days beyond the bid validity date.

- 13.2 Any bid not accompanied by an acceptable Bid Security shall be rejected by the Employer as non-responsive.
- 13.3 The bid securities of unsuccessful bidders will be returned upon award of contract to the successful bidder or on the expiry of validity of Bid Security whichever is earlier.
- 13.4 The Bid Security of the successful bidder will be returned when the bidder has furnished the required Performance Security, pursuant to Clause IB.21 and signed the Contract Agreement, pursuant to Sub-Clauses IB.20.2 & 20.3.
- 13.5 The Bid Security may be forfeited:
- (a) if a bidder withdraws his bid during the period of bid validity; or
 - (b) if a bidder does not accept the correction of his Bid Price, pursuant to Sub-Clause 16.4 (b) hereof; or
 - (c) in the case of a successful bidder, if he fails to:
 - (i) furnish the required Performance Security in accordance with Clause IB.21, or
 - (ii) sign the Contract Agreement, in accordance with Sub-Clauses IB.20.2 & 20.3.

IB.14 Validity of Bids, Format, Signing and Submission of Bid

- 14.1 Bids shall remain valid for the period stipulated in the Bidding Data after the date of bid opening.
- 14.2 All Schedules to Bid are to be properly completed and signed.
- 14.3 No alteration is to be made in the Form of Bid except in filling up the blanks as directed. If any alteration be made or if these instructions be not fully complied with, the bid may be rejected.
- 14.4 Each bidder shall prepare Original and number of copies specified in the Bidding Data of the documents comprising the bid as described in Clause IB.8 and clearly mark them “ORIGINAL” and “COPY” as appropriate. In the event of discrepancy between them, the original shall prevail.
- 14.5 The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign (in the case of copies, Photostats are also acceptable). This shall be indicated by submitting a written Power of Attorney

authorising the signatory of the bidder to act for and on behalf of the bidder. All pages of the bid shall be initialed and official seal be affixed by the person or persons signing the bid.

- 14.6 The Bid shall be delivered in person or sent by registered mail at the address to Employer as given in Bidding Data.

D. SUBMISSION OF BID

IB.15 Deadline for Submission, Modification & Withdrawal of Bids

- 15.1 Bids must be received by the Employer at the address/provided in Bidding Data not later than the time and date stipulated therein.
- 15.2 Bids submitted through telegraph, telex, fax or e-mail shall not be considered.
- 15.3 Any bid received by the Employer after the deadline for submission prescribed in Bidding Data will be returned unopened to such bidder.
- 15.4 Any bidder may modify or withdraw his bid after bid submission provided that the modification or written notice of withdrawal is received by the Employer prior to the deadline for submission of bids.
- 15.5 Withdrawal of a bid during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in the Form of Bid may result in forfeiture of the Bid Security pursuant to Sub-Clause IB.13.5(a).

E. BID OPENING AND EVALUATION

IB.16 Bid Opening, Clarification and Evaluation

- 16.1 The Employer will open the bids, in the presence of bidders' representatives who choose to attend, at the time, date and location stipulated in the Bidding Data.
- 16.2 The bidder's name, Bid Prices, any discount, the presence or absence of Bid Security, and such other details as the Employer at its discretion may consider appropriate, will be announced by the Employer at the bid opening. The Employer will record the minutes of the bid opening. Representatives of the bidders who choose to attend shall sign the attendance sheet.

Any Bid Price or discount which is not read out and recorded at bid opening will not be taken into account in the evaluation of bid.

- 16.3 To assist in the examination, evaluation and comparison of Bids the Engineer/Employer

may, at its discretion, ask the bidder for a clarification of its Bid. The request for clarification and the response shall be in writing and no change in the price or substance of the Bid shall be sought, offered or permitted.

- 16.4 (a) Prior to the detailed evaluation, pursuant to Sub-Clauses IB.16.7 to 16.9, the Engineer/Employer will determine the substantial responsiveness of each bid to the Bidding Documents. For purpose of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the Bidding Documents without material deviations. It will include to determine the requirements listed in Bidding Data.

- (b) Arithmetical errors will be rectified on the following basis:

If there is a discrepancy between the unit price and total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected. If there is a discrepancy between the words and figures the amount in words shall prevail. If there is a discrepancy between the Total Bid price entered in Form of Bid and the total shown in Schedule of Prices-Summary, the amount stated in the Form of Bid will be corrected by the Employer in accordance with the Corrected Schedule of Prices.

If the bidder does not accept the corrected amount of Bid, his Bid will be rejected and his Bid Security forfeited.

- 16.5 A Bid determined as substantially non-responsive will be rejected and will not subsequently be made responsive by the bidder by correction of the non-conformity.

- 16.6 Any minor informality or non-conformity or irregularity in a Bid which does not constitute a material deviation may be waived by Employer, provided such waiver does not prejudice or affect the relative ranking of any other bidders.

- 16.7 The Engineer/Employer will evaluate and compare only the bids previously determined to be substantially responsive pursuant to Sub-Clauses IB.16.4 to 16.6 as per requirements given hereunder. Bids will be evaluated for complete scope of works. The prices will be compared on the basis of the Evaluated Bid Price pursuant to Sub-Clause 16.8 herein below.

- (a) Technical Evaluation

It will be examined in detail whether the Works offered by the bidder complies with the Technical Provisions of the Bidding Documents. For this purpose, the bidder's data submitted with the bid in Schedule B to Bid will be compared with technical features/criteria of the Works detailed in the Technical Provisions. Other technical information submitted with the bid regarding the Scope of Work will also be reviewed.

(b) Commercial Evaluation

It will be examined in detail whether the bids comply with the commercial/contractual conditions of the Bidding Documents. It is expected that no material deviation/stipulation shall be taken by the bidders.

16.8 Evaluated Bid Price

In evaluating the bids, the Engineer/Employer will determine for each bid in addition to the Bid Price, the following factors (adjustments) in the manner and to the extent indicated below to determine the Evaluated Bid Price:

- (i) making any correction for arithmetic errors pursuant to Sub-Clause 16.4 hereof.
- (ii) making an appropriate price adjustment for any other acceptable variation or deviation.
- (iii) making an appropriate price adjustment for Deviations in terms of Payments (if any and acceptable to the Employer).
- (iv) discount, if any, offered by the bidders as also read out and recorded at the time of bid opening.

The Contract will be awarded to the firm with least cost estimate.

16.9 Evaluation Methods

Pursuant to Sub-Clause 16.8, Para (ii), and (iii) following evaluation methods for price adjustments will be followed:

(i) Price Adjustment for Technical Compliance

The cost of making good any deficiency resulting from technical non compliance will be added to the Corrected Total Bid Price for comparison purposes only. The adjustments will be applied taking the highest price quoted by other bidders being evaluated in detail in their original Bids for corresponding item. In case of non availability of price from other bidders, the price will be estimated by the Engineer/Employer.

(ii) Price Adjustment for Commercial Compliance

The cost of making good any deficiency resulting from any quantifiable variations and deviations from the Bid Schedules and Conditions of Contract, as determined by the Engineer/Employer will be added to the Corrected Total Bid Price for comparison purpose only. Adjustment for commercial compliance will be added to the Corrected Total Bid Prices.

(iii) Price Adjustment for Deviation in Terms of Payments

Refer to Bidding Data

IB.17 Process to be Confidential

- 17.1 Subject to Sub-Clause IB.16.3 heretofore, no bidder shall contact Engineer/Employer on any matter relating to its Bid from the time of the Bid opening to the time the bid evaluation result is announced by the Employer. The evaluation result shall be announced at least ten (10) days prior to award of Contract. The announcement to all bidders will include table(s) comprising read out prices, discounted prices, price adjustments made, final evaluated prices and recommendations against all the bids evaluated.
- 17.2 Any effort by a bidder to influence Engineer/Employer in the Bid evaluation, Bid comparison or Contract Award decisions may result in the rejection of his Bid. Whereas, any bidder feeling aggrieved may lodge a written complaint not later than fifteen (15) days after the announcement of the bid evaluation result, however, mere fact of lodging a complaint shall not warrant suspension of procurement process.

F. AWARD OF CONTRACT

IB.18. Post Qualification

- 18.1 The Employer, at any stage of the bid evaluation, having credible reasons for or *prima facie* evidence of any defect in supplier's or contractor's capacities, may require the suppliers or contractors to provide information concerning their professional, technical, financial, legal or managerial competence whether already pre-qualified or not:

Provided that such qualification shall only be laid down after recording reasons therefor in writing. They shall form part of the records of that bid evaluation report.

- 18.2 The determination will take into account the bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the bidders' qualifications submitted under Clause IB.11, as well as such other information required in the Bidding Documents.

IB.19 Award Criteria & Employer's Right

- 19.1 Subject to Sub-Clause IB.19.2, the Employer will award the Contract to the bidder whose bid has been determined to be substantially responsive to the Bidding Documents and who has offered the lowest evaluated Bid Price, provided that such bidder has been determined to be qualified to satisfactory perform the Contract in accordance with the provisions of Clause IB.18.
- 19.2 Not with standing Sub-Clause IB.19.1, the Employer reserves the right to accept or reject

any bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidders or any obligation to inform the affected bidders of the grounds for the Employer's action except that the grounds for its rejection of all bids shall upon request be communicated, to any bidder who submitted a bid, without justification of the grounds. Notice of the rejection of all the bids shall be given promptly to all the bidders.

IB.20 Notification of Award & Signing of Contract Agreement

- 20.1 Prior to expiration of the period of bid validity prescribed by the Employer, the Employer will notify the successful bidder in writing ("Letter of Acceptance") that his bid has been accepted.
- 20.2 Within seven (7) days from the date of furnishing of acceptable Performance Security under the Conditions of Contract, the Employer will send the successful bidder the Form of Contract Agreement provided in the Bidding Documents, incorporating all agreements between the parties.
- 20.3 The formal Agreement between the Employer and the successful bidder shall be executed within seven (7) days of the receipt of Form of Contract Agreement by the successful bidder from the Employer.

IB.21 Performance Security

- 21.1 The successful bidder shall furnish to the Employer a Performance Security in the form and the amount stipulated in the Conditions of Contract within a period of fourteen (14) days after the receipt of Letter of Acceptance.
- 21.2 Failure of the successful bidder to comply with the requirements of Sub-Clauses IB.20.2 & 20.3 or 21.1 or Clause IB.22 shall constitute sufficient grounds for the annulment of the award and forfeiture of the Bid Security.

IB.22 Integrity Pact

The Bidder shall sign and stamp the Form of Integrity Pact provided at Schedule-F to Bid in the Bidding Document for all Federal Government procurement contracts exceeding Rupees ten (10) million. Failure to provide such Integrity Pact shall make the bid non-responsive.

BIDDING DATA

May download from E-PADS or in case of any difficulty may contact for receipt of bidding documents.

Instructions to Bidders

Clause Reference

1.1 Name of Employer

Director General,
Federal Government Employees Housing Authority (FGEHA),
10-Mauve Area, G-10/4, Islamabad.

The Employer's Representative:

Project Director (Lifestyle Residency Apartemnts G-13)
Site Office, Lifestyle Residency Apartment, G-13/1, Islamabad.

Brief Description of Works

FGEHA intends to execute the following scope of work at the project site of Lifestyle Residency Apartments G-13/1, Islamabad:

- i. Construction/rehabilitation of boundary wall
- ii. Installation of CCTV Cameras
- iii. Flood Lighting Arrangements
- iv. Installation of E-Fencing

5.1 (a) Employer's address:

10-Mauve Area, G-10/4, Islamabad.
Tel: 051-9106052

(b) Engineer's address:

Project Director (Lifestyle Residency Apartemnts G-13)
Site Office, Lifestyle Residency Apartment, G-13/1, Islamabad.

10.3 Bid shall be quoted entirely in Pak. Rupees. The payment shall be made in Pak. Rupees.

- 11.2 The bidder/manufacture has the financial, technical and production capability necessary to perform the Contract as follows:
- a. Valid Registration with Pakistan Engineering Council in Category C-6 or above with relevant codes CE10, EE02 & EE11
 - b. Proof of at least Four similar nature of works, two in each category (Civil & Electrical) with minimum contract amount of fifteen (15) million or above during the last three years (LOA/Work Order & Completion Certificate) pertaining to:
 - Construction of Boundary Wall/building or any civil work.
 - Electrical work specifically related to Installation of CCTV Cameras, Flood Lights and E-Fencing.
 - c. As per eligibility criteria mentioned in the Advertisement.

- 12.1 (a) A detailed description of the Works, essential technical and performance characteristics.
- (b) Complete set of technical information, description data, literature and drawings as required in accordance with Schedule B to Bid, Specific Works Data. This will include but not be limited to a sufficient number of drawings, photographs, catalogues, illustrations and such other information as is necessary to illustrate clearly the significant characteristics such as general construction dimensions and other relevant information about the works to be performed.

13.1 Amount of Bid Security

Rs. 400,000/- (Lump Sump) in shape of CDR.

14.1 Period of Bid Validity

45 Days

14.4 Number of Copies of the Bid to be Submitted

One original plus one copy. (Through E-PADS)

14.6 (a) Employer's Address for the Purpose of Bid Submission

One soft copy shall be uploaded online through E-PADS, and one hard copy shall be submitted to the below-mentioned address before the submission deadline, failing which the bid shall be treated as non-responsive.

Project Director (Lifestyle Residency Apartemnts G-13)
Site Office, Lifestyle Residency Apartment, G-13/1, Islamabad.

15.1 Deadline for Submission of Bids

As Provided in Notice Inviting Bid/Tender.

16.1 Venue, Time, and Date of Bid Opening

As provided in the Notice Inviting Bid/Tender.

16.4 Responsiveness of Bids

- (i) the Bid is valid till required period,
- (ii) the Bid prices are firm during currency of contract (if it is a fixed price bid)
- (iii) completion period offered is within specified limits,
- (iv) the Bidder/Manufacturer is eligible to Bid and possesses the requisite experience, capability and qualification.
- (v) the Bid does not deviate from basic technical requirements and
- (vi) the Bids are generally in order, etc.

As per eligibility criteria mentioned in the Advertisement.

16.9 Price Adjustment:

Not Applicable

FORM OF BID AND SCHEDULES TO BID

FORM OF BID

(LETTER OF OFFER)

Bid Reference No. _____

(Name of Works)

To:

Gentlemen,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Conditions of Contract, Contract Data, Specifications, Drawings, if any, Schedule of Prices and Addenda Nos. _____ for the execution of the above-named Works, we, the undersigned, being a company doing business under the name of and address _____ and being duly incorporated under the laws of Pakistan hereby offer to execute and complete such Works and remedy any defects therein in conformity with the said Documents including Addenda thereto for the Total Bid Price of Rs _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said Documents.
2. We understand that all the Schedules attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we submit herewith a Bid Security in the amount of _____ drawn in your favour or made payable to you and valid for a period of twenty eight (28) days beyond the period of validity of Bid.
4. We undertake, if our Bid is accepted, to commence the Works and to deliver and complete the Works comprised in the Contract within the time(s) stated in Contract Data.
5. We agree to abide by this Bid for the period of _____ days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.

7. We undertake, if our Bid is accepted, to execute the Performance Security referred to in Conditions of Contract for the due performance of the Contract.
8. We understand that you are not bound to accept the lowest or any bid you may receive.
9. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other person or persons making a bid for the Works.

Dated this _____ day of _____, 20

Signature _____

in the capacity of _____ duly authorized to sign bid for and on behalf of

(Name of Bidder in Block Capitals)

(Seal)

Address

Witness:

(Signature) _____

Name: _____

Address: _____

[SCHEDULES TO BID INCLUDE THE FOLLOWING:

- Schedule A to Bid: Schedule of Prices
- Schedule B to Bid: Specific Works Data
- Schedule C to Bid: Works to be Performed by Subcontractors
- Schedule D to Bid: Proposed Programme of Works
- Schedule E to Bid: Method of Performing Works
- Schedule F to Bid: Integrity Pact]

SCHEDULE – A TO BID

SCHEDULE OF PRICES

<u>Sr. No.</u>		<u>Page No.</u>
1.	Preamble to Schedule of Prices	26
2.	Schedule of Prices	29
	*(a) Summary of Bid Prices	
	* (b) Detailed Schedule of Prices	

* [To be prepared by the Engineer/Employer]

PREAMBLE TO SCHEDULE OF PRICES

1. General

- 1.1 The Schedule of Prices shall be read in conjunction with the Conditions of Contract, Contract Data together with the Specifications and Drawings, if any.
- 1.2 The Contract shall be for the whole of the Works as described in these Bidding Documents. Bids must be for the complete scope of works.

2. Description

- 2.1 The general directions and descriptions of works and materials are not necessarily repeated nor summarized in the Schedule of Prices. References to the relevant sections of the Bidding Documents shall be made before entering prices against each item in the Schedule of Prices.

3. Units & Abbreviations

- 3.1 Units of measurement, symbols and abbreviations expressed in the Bidding Documents shall comply with the Systeme Internationale d' Unites (SI Units).

(Note: The abbreviations to be used in the Schedule of Prices to be defined by the Employer).

4. Rates and Prices

- 4.1 Except as otherwise expressly provided under the Conditions of Contract, the rates and amounts entered in the Schedule of Prices shall be the rates at which the Contractor shall be paid and shall be the full inclusive value of the works set forth or implied in the Contract; except for the amounts reimbursable, if any to the Contractor under the Contract.
- 4.2 Unless otherwise stipulated in the Contract Data, the rates and prices entered by the bidder shall not be subject to adjustment during the performance of the Contract.
- 4.3 All duties, taxes and other levies payable by the Contractor shall be included in the rates and prices.
- 4.4 The whole cost of complying with the provisions of the Contract shall be included in the items provided in the Schedule of Prices, and where

SCHEDULE - A TO BID

no items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related items of the Works and no separate payment will be made for those items.

The rates, prices and amounts shall be entered against each item in the Schedule of Prices. Any item against which no rate or price is entered by the bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates and prices for other items in the Schedule of Prices.

- 4.5 (a) The bidder shall be deemed to have obtained all information as to and all requirements related thereto which may affect the bid price.

*(b) The Contractor shall be responsible to make complete arrangements for the transportation of the Plant to the Site.

*(Employer may modify as appropriate)

- 4.6 The Contractor shall provide for all parts of the Works to be completed in every respect. Notwithstanding that any details, accessories, etc. required for the complete installation and satisfactory operation of the Works, are not specifically mentioned in the Specifications, such details shall be considered as included in the Contract Price.

5. Bid Prices

5.1 Break-up of Bid Prices

The various elements of Bid Prices shall be quoted as detailed by the Employer in the format of Schedule of Prices.

The bidder shall recognize such elements of the costs which he expects to incur the performance of the Works and shall include all such costs in the rates and amounts entered in the Schedule of Prices.

5.2 Total Bid Price

The total of bid prices in the Schedule of Prices shall be entered in the Summary of Bid Prices.

6. Provisional Sums

- 6.1 Provisional Sums included and so designated in the Schedule of Prices if any, shall be expended in whole or in part at the direction and discretion of the Engineer/Employer. The Contractor will only receive payment in respect of Provisional Sums if he has been instructed by the Engineer/Employer to utilise such sums.

SCHEDULE OF PRICES – SUMMARY OF BID PRICES

Bill No.	Description	Total Amount (Rs)
1.	Detailed BOQs are given at the end of the document. Just quote percentage (%) above or below the cost of Schedule and Non-Schedule items.	
	Total Bid Price (The amount to be entered in Paragraph 1 of the Form of Bid) (In words).	

SCHEDULE - A TO BID**SCHEDULE OF PRICES**

Item No.	Description	Quantity	Unit Rate(Rs)	Total Amount (Rs)
1.				
Total (to be carried to Summary of Bid Price)				

SCHEDULE - B TO BID

***SPECIFIC WORKS DATA**

FGEHA intends to execute the following scope of work at the project site of Lifestyle Residency Apartments G-13/4, Islamabad:

- i. Construction/rehabilitation of boundary wall
- ii. Installation of CCTV Cameras
- iii. Flood Lighting Arrangements
- iv. Installation of E-Fencing

*(Note: The Employer shall spell out the information & data required to be filled out by the bidder and to furnish complementary information).

SCHEDULE – C TO BID

WORKS TO BE PERFORMED BY SUBCONTRACTORS

The bidder will do the work with his own forces except the work listed below which he intends to sub-contract.

Items of Works to be Sub-Contracted	Name and address of Sub-Contractors	Statement of similar works previously executed (attach evidence)
--	--	---

(Not Allowed)

Note:

1. No change of Sub-Contractors shall be made by the bidder without prior approval of the Employer.
2. The truthfulness and accuracy of the statement as to the experience of Sub-Contractors is guaranteed by the bidder. The Employer's judgment shall be final as to the evaluation of the experience of Sub-Contractors submitted by the bidder.
3. Statement of similar works shall include description, location & value of works, year completed and name & address of the clients.

SCHEDULE – D TO BID

PROPOSED PROGRAMME OF WORKS

Bidder shall provide a programme in a bar-chart showing the sequence of work items by which he proposes to complete the Works of the entire Contract. The programme should indicate the sequence of work items and the period of time during which he proposes to complete the Works including the activities like designing, schedule of submittal of drawings, ordering and procurement of materials, manufacturing, delivering, construction of civil works, erection, testing and commissioning of Works to be supplied under the Contract.

SCHEDULE – E TO BID

METHOD OF PERFORMING WORKS

The bidder is required to submit a narrative outlining the method of performing the Works. The narrative should indicate in detail and include but not be limited to:

- The sequence and methods in which he proposes to carry out the Works, including the number of shifts per day and hours per shift, he expects to work.
- A list of all major items of constructional and erectional plant, tools and vehicles proposed to be used in delivering/carrying out the Works at Site
- The procedure for installation of equipment and transportation of equipment and materials to the site.
- Organisation chart indicating head office & field office personnel involved in management, supervision and engineering of the Works to be done under the Contract.

SCHEDULE – F TO BID

(INTEGRITY PACT)

**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC.
PAYABLE BY THE SUPPLIERS OF GOODS, SERVICES & WORKS IN
CONTRACTS WORTH RS. 10.00 MILLION OR MORE**

Contract No. _____ Dated _____

Contract Value: _____

Contract Title: _____

..... [name of Supplier] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Pakistan (GoP) or any administrative subdivision or agency thereof or any other entity owned or controlled by GoP through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP, except that which has been expressly declared pursuant hereto.

[name of Supplier] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with GoP and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Supplier] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to GoP under any law, contract or other instrument, be voidable at the option of GoP.

Notwithstanding any rights and remedies exercised by GoP in this regard, [name of Supplier] agrees to indemnify GoP for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to GoP in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Supplier] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from GoP.

Name of Buyer:

Signature:

[Seal]

Name of Seller/Supplier:

Signature:

[Seal]

CONDITIONS OF CONTRACT

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CONDITIONS OF CONTRACT

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CONDITIONS OF CONTRACT

1. GENERAL PROVISIONS

1.1 Definitions

In the Contract as defined below, the words and expressions defined shall have the following meanings assigned to them, except where the context requires otherwise:

The Contract

- 1.1.1 “Contract” means the Contract Agreement and the other documents listed in the Contract Data.
- 1.1.2 “Specifications” means the document as listed in the Contract Data, including Employer’s requirements in respect of design to be carried out by the Contractor (if any), and any Variation to such document.
- 1.1.3 “Drawings” means the Employer’s drawings of the Works as listed in the Contract Data, and any Variation to such drawings.

Persons

- 1.1.4 “Employer” means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Contractor) any assignee.
- 1.1.5 “Contractor” means the person named in the Contract Data and the legal successors in title to this person, but not (except with the consent of the Employer) any assignee.
- 1.1.6 “Party” means either the Employer or the Contractor.

Dates, Times and Periods

- 1.1.7 “Commencement Date” means the date fourteen (14) days after the date the Contract comes into effect or any other date named in the Contract Data.
- 1.1.8 “Day” means a calendar day
- 1.1.9 “Time for Completion” means the time for completing the Works as stated in the Contract Data (or as extended under Sub-Clause 7.3), calculated from the Commencement Date.

Money and Payments

- 1.1.10 “Cost” means all expenditure properly incurred (or to be incurred) by the

Contractor, whether on or off the Site, including overheads and similar charges but does not include any allowance for profit.

Other Definitions

- 1.1.11 “Contractor’s Equipment” means all machinery, apparatus and other things required for the execution of the Works but does not include Materials or Plant intended to form part of the Works.
- 1.1.12 “Country” means the Islamic Republic of Pakistan.
- 1.1.13 “Employer’s Risks” means those matters listed in Sub-Clause 6.1.
- 1.1.14 “Force Majeure” means an event or circumstance which makes performance of a Party’s obligations illegal or impracticable and which is beyond that Party’s reasonable control.
- 1.1.15 “Materials” means things of all kinds (other than Plant) to be supplied and incorporated in the Works by the Contractor.
- 1.1.16 “Plant” means the machinery and apparatus intended to form or forming part of the Works.
- 1.1.17 “Site” means the places provided by the Employer where the Works are to be executed, and any other places specified in the Contract as forming part of the Site.
- 1.1.18 “Variation” means a change which is instructed by the Engineer/Employer under Sub-Clause 10.1.
- 1.1.19 “Works” means any or all the works whether Supply, Installation, Construction etc. and design (if any) to be performed by the Contractor including temporary works and any variation thereof.
- 1.1.20 “Engineer” means the person notified by the Employer to act as Engineer for the purpose of the Contract and named as such in Contract Data.

1.2 Interpretation

Words importing persons or parties shall include firms and organisations. Words importing singular or one gender shall include plural or the other gender where the context requires.

1.3 Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one another. If an ambiguity or discrepancy is found in the documents, the priority of the documents shall be in accordance with the order as listed in the Contract Data.

1.4 Law

The law of the Contract is the relevant Law of Islamic Republic of Pakistan.

1.5 Communications

All Communications related to the Contract shall be in English language.

1.6 Statutory Obligations

The Contractor shall comply with the Laws of Islamic Republic of Pakistan and shall give all notices and pay all fees and other charges in respect of the Works.

2. THE EMPLOYER

2.1 Provision of Site

The Employer shall provide the Site and right of access thereto at the times stated in the Contract Data.

2.2 Permits etc.

The Employer shall, if requested by the Contractor, assist him in applying for permits, licences or approvals which are required for the Works.

2.3 Engineer's/Employer's Instructions

The Contractor shall comply with all instructions given by the Employer or the Engineer, if notified by the Employer, in respect of the Works including the suspension of all or part of the Works.

2.4 Approvals

No approval or consent or absence of comment by the Engineer/Employer shall affect the Contractor's obligations.

3. ENGINEER'S/EMPLOYER'S REPRESENTATIVES

3.1 Authorised Person

The Employer shall appoint a duly authorized person to act for him and on his behalf for the purposes of this Contract. Such authorized person shall be duly identified in the Contract Data or otherwise notified in writing to the Contractor as soon as he is so appointed. In either case the Employer shall notify the Contractor, in writing, the precise scope of the authority of such authorized person at the time of his appointment.

3.2 Engineer's/Employer's Representative

The name and address of Engineer's/Employer's Representative is given in Contract Data. However the Contractor shall be notified by the Engineer/Employer, the delegated duties and authority before the Commencement of Works.

4. THE CONTRACTOR

4.1 General Obligations

The Contractor shall carry out the Works properly and in accordance with the Contract. The Contractor shall provide all supervision, labour, Materials, Plant and Contractor's Equipment which may be required.

4.2 Contractor's Representative

The Contractor shall appoint a representative at site on full time basis to supervise the execution of work and to receive instructions on behalf of the Contractor but only after obtaining the consent of the Employer for such appointment which consent shall not be unreasonable withheld by the Employer. Such authorized representative may be substituted/replaced by the Contractor at any time during the Contract Period but only after obtaining the consent of the Employer as aforesaid.

4.3 Subcontracting

The Contractor shall not subcontract the whole of the Works. The Contractor shall not subcontract any part of the Works without the consent of the Employer.

4.4 Performance Security

The Contractor shall furnish to the Employer within fourteen (14) days after receipt of Letter of Acceptance a Performance Security at the option of the bidder, in the form of Bank Draft or Bank Guarantee or an insurance company having atleast AA rating from PACRA/JCR for the amount and validity specified in Contract Data.

5. DESIGN BY CONTRACTOR

5.1 Contractor's Design

The Contractor shall carry out design to the extent specified, as referred to in the Contract Data. The Contractor shall promptly submit to the Engineer/Employer all designs prepared by him. Within fourteen (14) days of receipt the Engineer/Employer shall notify any comments or, if the design submitted is not in accordance with the Contract, shall reject it stating the reasons. The Contractor shall not construct any element of the Works designed by him within fourteen (14)

days after the design has been submitted to the Engineer/Employer or which has been rejected. Design that has been rejected shall be promptly amended and resubmitted. The Contractor shall resubmit all designs commented on taking these comments into account as necessary.

5.2 Responsibility for Design

The Contractor shall remain responsible for his bided design and the design under this Clause, both of which shall be fit for the intended purposes defined in the Contract and he shall also remain responsible for any infringement of any patent or copyright in respect of the same. The Engineer/Employer shall be responsible for the Specifications and Drawings.

6. EMPLOYER'S RISKS

6.1 The Employer's Risks

The Employer's Risks are:-

- a) war, hostilities (whether war be declared or not), invasion, act of foreign enemies, within the Country;
- b) rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war, within the Country;
- c) riot, commotion or disorder by persons other than the Contractor's personnel and other employees including the personnel and employees of Sub-Contractors, affecting the Site and/or the Works;
- d) ionising radiations, or contamination by radio-activity from any nuclear fuel, or from any nuclear waste from the combustion of nuclear fuel, radio-active toxic explosive, or other hazardous properties of any explosive nuclear assembly or nuclear component of such an assembly, except to the extent to which the Contractor/Sub-Contractors may be responsible for the use of any radio-active material;
- e) Pressure waves caused by aircraft or other aerial devices travelling at sonic or supersonic speeds;
- f) use or occupation by the Employer of any part of the Works, except as may be specified in the Contract;
- g) late handing over of sites, anomalies in drawings, late delivery of designs and drawings of any part of the Works by the Employer's personnel or by others for whom the Employer is responsible;
- h) a suspension under Sub-Clause 2.3 unless it is attributable to the Contractor's failure; and

- i) physical obstructions or physical conditions other than climatic conditions, encountered on the Site during the performance of the Works, for which the Contractor immediately notified to the Employer and accepted by the Employer.

7. TIME FOR COMPLETION

7.1 Execution of the Works

The Contractor shall commence the Works on the Commencement Date and shall proceed expeditiously and without delay and shall complete the Works, subject to Sub-Clause 7.3 below, within the Time for Completion.

7.2 Programme

Within the time stated in the Contract Data, the Contractor shall submit to the Engineer/Employer a programme for the Works in the form stated in the Contract Data.

7.3 Extension of Time

The Contractor shall, within such time as may be reasonable under the circumstances, notify the Employer/Engineer of any event(s) falling within the scope of Sub-Clause 6.1 or 10.3 of these Conditions of Contract and request the Employer/Engineer for a reasonable extension in the time for the completion of Works. Subject to the aforesaid, the Employer/Engineer shall determine such reasonable extension in the time for the completion of Works as may be justified in the light of the details/particulars supplied by the Contractor in connection with the such determination by the Employer/Engineer within such period as may be prescribed by the Employer/Engineer for the same; and

the Employer shall extend the Time for Completion as determined.

7.4 Late Completion

If the Contractor fails to complete the Works within the Time for Completion, the Contractor's only liability to the Employer for such failure shall be to pay the amount stated in the Contract Data for each day for which he fails to complete the Works.

8. TAKING-OVER

8.1 Completion

The Contractor may notify the Engineer/Employer when he considers that the Works are complete.

8.2 Taking-Over Notice

Within fourteen (14) days of the receipt of the said notice of completion from the Contractor the Employer/Engineer shall either takeover the completed Works and issue a Certificate of Completion to that effect or shall notify the Contractor his reasons for not taking-over the Works. While issuing the Certificate of Completion as aforesaid, the Employer/Engineer may identify any outstanding items of work which the Contractor shall undertake during the Maintenance Period.

9. REMEDYING DEFECTS

9.1 Remedying Defects

The Contractor shall for a period stated in the Contract Data from the date of issue of the Certificate of Completion carry out, at no cost to the Employer, repair and rectification work which is necessitated by the earlier execution of poor quality of work or use of below specifications material in the execution of Works and which is so identified by the Employer/Engineer in writing within the said period. Upon expiry of the said period, and subject to the Contractor's faithfully performing his aforesaid obligations, the Employer/Engineer shall issue a Maintenance Certificate whereupon all obligations of the Contractor under this Contract shall come to an end.

Failure to remedy any such defects or complete outstanding work within a reasonable time shall entitle the Employer to carry out all necessary works at the Contractor's cost. However, the cost of remedying defects not attributable to the Contractor shall be valued as a Variation.

9.2 Uncovering and Testing

The Engineer/Employer may give instruction as to the uncovering and/or testing of any work. Unless as a result of an uncovering and/or testing it is established that the Contractor's design, Materials, Plant or workmanship are not in accordance with the Contract, the Contractor shall be paid for such uncovering and/or testing as a Variation in accordance with Sub-Clause 10.2.

10. VARIATIONS AND CLAIMS

10.1 Right to Vary

The Employer/Engineer may issue Variation Order(s) in writing. Where for any reason it has not been possible for the Employer/Engineer to issue such Variations Order(s), the Contractor may confirm any verbal orders given by the Employer/Engineer in writing and if the same are not refuted/denied by the Employer/Engineer within seven (7) days of the receipt of such confirmation the same shall be deemed to be a Variation Orders for the purposes of this Sub-Clause.

10.2 Valuation of Variations

Variations shall be valued as follows:

- a) at a lump sum price agreed between the Parties, or
- b) where appropriate, at rates in the Contract, or
- c) in the absence of appropriate rates, the rates in the Contract shall be used as the basis for valuation, or failing which
- d) at appropriate new rates, as may be agreed or which the Engineer/Employer considers appropriate, or
- e) if the Engineer/Employer so instructs, at day work rates set out in the Contract Data for which the Contractor shall keep records of hours of labour and Contractor's Equipment, and of Materials, used.

10.3 **Early Warning**

The Contractor shall notify the Engineer/Employer in writing as soon as he is aware of any circumstance which may delay or disrupt the Works, or which may give rise to a claim for additional payment.

To the extent of the Contractor's failure to notify, which results to the Engineer/Employer being unable to keep all relevant records or not taking steps to minimise any delay, disruption, or Cost, or the value of any Variation, the Contractor's entitlement to extension of the Time for Completion or additional payment shall be reduced/rejected.

10.4. **Valuation of Claims**

If the Contractor incurs Cost as a result of any of the Employer's Risks, the Contractor shall be entitled to the amount of such Cost. If as a result of any Employer's Risk, it is necessary to change the Works, this shall be dealt with as a Variation subject to Contractor's notification for intention of claim to the Engineer/Employer within fourteen (14) days of the occurrence of cause.

10.5 **Variation and Claim Procedure**

The Contractor shall submit to the Engineer/Employer an itemised make-up of the value of variations and claims within twenty eight (28) days of the instruction or of the event giving rise to the claim. The Engineer/Employer shall check and if possible agree the value. In the absence of agreement, the Employer shall determine the value.

11. **CONTRACT PRICE AND PAYMENT**

11.1 (a) **Terms of Payments**

The amount due to the Contractor under any Interim Payment Certificate

issued by the Engineer pursuant to this Clause, or to any other terms of the Contract, shall, subject to Clause 47, be paid by the Employer to the Contractor within **30 days** after such Interim Payment Certificate has been jointly verified by Employer and Contractor, or, in the case of the Final Certificate referred to in Sub Clause 60.8, within **60 days** after such Final Payment Certificate has been jointly verified by Employer and Contractor; Provided that the Interim Payment shall be caused in 42 days and Final Payment in 60 days in case of foreign funded project. In the event of the failure of the Employer to make payment within the times stated, the Employer shall pay to the Contractor compensation at the 28 days rate of KIBOR+2% per annum in local currency and LIBOR+1% for foreign currency, upon all sums unpaid from the date by which the same should have been paid. The provisions of this Sub-Clause are without prejudice to the Contractor's entitlement under Clause 69.

(b) **Valuation of the Works**

The Works shall be valued as provided for in the Contract Data, subject to Clause 10.

11.2 Monthly Statements

The Contractor shall be entitled to be paid at monthly intervals:

- a) the value of the Works executed; and
- b) The percentage of the value of Materials and Plant reasonably delivered to the Site, as stated in the Contract Data, subject to any additions or deductions which may be due.

The Contractor shall submit each month to the Engineer/Employer a statement showing the amounts to which he considers himself entitled.

11.3 Interim Payments

Within a period not exceeding seven (7) days from the date of submission of a statement for interim payment by the Contractor, the Engineer shall verify the same and within a period not exceeding **thirty (30)** days from the said date of submission by the Contractor, the Employer shall pay to the Contractor the sum verified by the Engineer less retention money at the rate stated in the Contract Data.

11.4 Retention

Retention money shall be paid by the Employer to the Contractor within fourteen (14) days after either the expiry of the period stated in the Contract Data, or the remedying of notified defects, or the completion of outstanding work, all as referred to in Sub-Clause 9.1, which ever is the later.

11.5 **Final Payment**

Within **twenty one (21)** days from the date of issuance of the Maintenance Certificate the Contractor shall submit a final account to the Engineer to verify and the Engineer shall verify the same within fourteen (14) days from the date of submission and forward the same to the Employer together with any documentation reasonably required to enable the Employer to ascertain the final contract value.

Within **sixty (60)** days from the date of receipt of the verified final account from the Engineer, the Employer shall pay to the Contractor any amount due to the Contractor. While making such payment the Employer may, for reasons to be given to the Contractor in writing, withhold any part or parts of the verified amount.

11.6 **Currency**

Payment shall be in the currency stated in the Contract Data.

12. **DEFAULT**

12.1 **Default by Contractor**

If the Contractor abandons the Works, refuses or fails to comply with a valid instruction of the Engineer/Employer or fails to proceed expeditiously and without delay, or is, despite a written complaint, in breach of the Contract, the Employer may give notice referring to this Sub-Clause and stating the default.

If the Contractor has not taken all practicable steps to remedy the default within fourteen (14) days after receipt of the Employer's notice, the Employer may by a second notice given within a further twenty one (21) days, terminate the Contract. The Contractor shall then demobilise from the Site leaving behind any Contractor's Equipment which the Employer instructs, in the second notice, to be used for the completion of the Works at the risk and cost of the Contractor.

12.2 **Default by Employer**

If the Employer fails to pay in accordance with the Contract, or is, despite a written complaint, in breach of the Contract, the Contractor may give notice referring to this Sub-Clause and stating the default. If the default is not remedied within fourteen (14) days after the Employer's receipt of this notice, the Contractor may suspend the execution of all or parts of the Works.

If the default is not remedied within twenty eight (28) days after the Employer's receipt of the Contractor's notice, the Contractor may by a second notice given within a further twenty one (21) days, terminate the Contract. The Contractor shall then demobilise from the Site.

12.3 **Insolvency**

If a Party is declared insolvent under any applicable law, the other Party may by notice terminate the Contract immediately. The Contractor shall then demobilise from the Site leaving behind, in the case of the Contractor's insolvency, any Contractor's Equipment which the Employer instructs in the notice is to be used for the completion of the Works.

12.4 Payment upon Termination

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the Materials and Plant reasonably delivered to the Site, adjusted by the following:

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) any sums to which the Employer is entitled,
- c) if the Employer has terminated under Sub-Clause 12.1 or 12.3, the Employer shall be entitled to a sum equivalent to twenty percent (20%) of the value of parts of the Works not executed at the date of the termination, and
- d) if the Contractor has terminated under Sub-Clause 12.2 or 12.3, the Contractor shall be entitled to the cost of his demobilisation together with a sum equivalent to ten percent (10%) of the value of parts of the Works not executed at the date of termination.

The net balance due shall be paid or repaid within twenty eight (28) days of the notice of termination.

13. RISKS AND RESPONSIBILITIES

13.1 Contractor's Care of the Works

Subject to Sub-Clause 9.1, the Contractor shall take full responsibility for the care of the Works from the Commencement Date until the date of the Employer's/Engineer's issuance of Certificate of Completion under Sub-Clause 8.2. Responsibility shall then pass to the Employer. If any loss or damage happens to the Works during the above period, the Contractor shall rectify such loss or damage so that the Works conform with the Contract.

Unless the loss or damage happens as a result of any of the Employer's Risks, the Contractor shall indemnify the Employer, or his agents against all claims loss, damage and expense arising out of the Works.

13.2 Force Majeure

If Force Majeure occurs, the Contractor shall notify the Engineer/Employer immediately. If necessary, the Contractor may suspend the execution of the Works and, to the extent agreed with the Employer demobilise the Contractor's Equipment.

If the event continues for a period of eighty four (84) days, either Party may then give notice of termination which shall take effect twenty eight (28) days after the giving of the notice.

After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the Materials and Plant reasonably delivered to the Site, adjusted by the following:

- a) any sums to which the Contractor is entitled under Sub-Clause 10.4,
- b) the cost of his demobilization, and
- c) less any sums to which the Employer is entitled.

The net balance due shall be paid or repaid within thirty five (35) days of the notice of termination.

14. INSURANCE

14.1 Arrangements

The Contractor shall, prior to commencing the Works, effect insurances of the types, in the amounts and naming as insured the persons stipulated in the Contract Data except for items (a) to (e) and (i) of the Employer's Risks under Sub-Clause 6.1. The policies shall be issued by insurers and in terms approved by the Employer. The Contractor shall provide the Engineer/Employer with evidence that any required policy is in force and that the premiums have been paid.

14.2 Default

If the Contractor fails to effect or keep in force any of the insurances referred to in the previous Sub-Clause, or fails to provide satisfactory evidence, policies or receipts, the Employer may, without prejudice to any other right or remedy, effect insurance for the cover relevant to such as a default and pay the premiums due and recover the same plus a sum in percentage given in Contractor Data from any other amounts due to the Contractor.

15. RESOLUTION OF DISPUTES

15.1 Engineer's Decision

If a dispute of any kind whatsoever arises between the Employer and the Contractor in connection with the Works, the matter in dispute shall, in the first place, be referred in writing to the Engineer, with a copy to the other party. Such reference shall state that it is made pursuant to this Clause. No later than the twenty eight (28) days after the day on which he received such reference, the Engineer shall give notice of his decision to the Employer and the Contractor.

Unless the Contract has already been repudiated or terminated, the Contractor

shall, in every case, continue to proceed with the Work with all due diligence, and the Contractor and the Employer shall give effect forthwith to every such decision of the Engineer unless and until the same shall be revised, as hereinafter provided in an arbitral award.

15.2 Notice of Dissatisfaction

If a Party is dissatisfied with the decision of the Engineer or if no decision is given within the time set out in Sub-Clause 15.1 hereabove, the Party may give notice of dissatisfaction referring to this Sub-Clause within fourteen (14) days of receipt of the decision or the expiry of the time for the decision. If no notice of dissatisfaction is given within the specified time, the decision shall be final and binding on the Parties. If notice of dissatisfaction is given within the specified time, the decision shall be binding on the Parties who shall give effect to it without delay unless and until the decision of the Engineer is revised by an arbitrator.

15.3 Arbitration

A dispute which has been the subject of a notice of dissatisfaction shall be finally settled as per provisions of Arbitration Act 1940 (Act No. X of 1940) and Rules made thereunder and any statutory modifications thereto. Any hearing shall be held at the place specified in the Contract Data and in the language referred to in Sub-Clause 1.5.

16 INTEGRITY PACT

16.1 If the Contractor, or any of his Sub-Contractors, agents or servants is found to have violated or involved in violation of the Integrity Pact signed by the Contractor as Schedule-F to his Bid, then the Employer shall be entitled to:

- (a) recover from the Contractor an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by the Contractor or any of his Sub-Contractors, agents or servants;
- (b) terminate the Contract; and
- (c) recover from the Contractor any loss or damage to the Employer as a result of such termination or of any other corrupt business practices of the Contractor or any of his Sub-Contractors, agents or servants.

On termination of the Contract under Sub-Para (b) of this Sub-Clause, the Contractor shall demobilize from the Site leaving behind Contractor's Equipment which the Employer instructs, in the termination notice, to be used for the completion of the Works at the risk and cost of the Contractor. Payment upon such termination shall be made under Sub-Clause 12.4, in accordance with Sub-Para (c) thereof, after having deducted the amounts due to the Employer under Sub-Para (a) and (c) of this Sub-Clause.

CONTRACT DATA

(Note: Except where otherwise indicated, all Contract Data should be filled in by the Employer prior to issuance of the Bidding Documents.)

Sub-Clauses of Conditions of Contract

1.1.3 Employer's Drawings, if any
Shall be provided by the Employer.

1.1.4 **The Employer** means
Director General,
Federal Government Employees Housing Authority (FGEHA),
10-Mauve Area, G10/4, Islamabad

1.1.5 **The Contractor** means

1.1.7 **Commencement Date** means the date of issue of Engineer's Notice to Commence which shall be issued within seven (07) days of the signing of the Contract Agreement.

1.1.9 **Time for Completion** 04 Months (120 days)

1.1.20 **Engineer**

1.3 **Documents forming the Contract listed in the order of priority:**

- (a) The Contract Agreement
- (b) Letter of Acceptance
- (c) The completed Form of Bid
- (d) Contract Data
- (e) Conditions of Contract
- (f) The completed Schedules to Bid including Schedule of Prices
- (g) The Drawings, if any
- (h) The Specifications

2.1 **Provision of Site:** On the Commencement Date*

3.1 **Authorised person : Project Director (Lifestyle Residency Apartments G-13)**

3.2 **Name and address of Engineer's/Employer's representative**

Project Director (Lifestyle Residency Apartments G-13),
10-Mauve Area, G-10/4, Islamabad.

4.4 **Performance Security:**

Amount: **05 % of bid amount**

Validity: Will be released after completion of the Defects Liability Period (DLP)

(Form: As provided under Standard Forms* of these Documents)

5.1 **Requirements for Contractor's design (if any):**

Not Applicable

7.2 **Programme**

Time for submission: Within seven (07) days* of the Commencement Date.

Form of programme: MS Project/Bar Chart/CPM/PERT.

7.4 Amount payable due to failure to complete shall be 0.05 % per day up to a maximum of (5%) * of sum stated in the Letter of Acceptance

9.1 **Period for remedying defects**

12 Months

10.2 (e) **Variation procedure:**

Not Applicable

11.1 ***(a) Terms of Payments**

Payment will be made as per actual work done at site. No advance payment will be made.

~~11.1 *(b) **Valuation of the Works*:**~~

~~i) Lump sum price _____ (details), or~~

~~ii) Lump sum price with schedules of rates _____ (details), or~~

~~iii) Lump sum price with bill of quantities _____ (details), or~~

~~iv) Remeasurement with estimated/bid quantities in the Schedule of~~

~~Prices _____ (details), or/and~~

~~v) Cost reimbursable _____ (details)~~

~~11.2 (b) **Percentage of value of Materials and Plant:**~~

~~Materials _____ eighty (80%)*~~

~~Plant _____ ninety (90%)*~~

11.3 **Percentage of retention:** Five (5%)

11.6 **Currency of payment:** Pak. Rupees

14.1 **Insurances:**

Type of cover

The Works

Amount of cover

The sum stated in the Letter of Acceptance plus fifteen percent (15%)

Type of cover

Contractor's Equipment:

Amount of cover

Full replacement cost

* (Employer to amend as appropriate)

Type of cover

Third Party-injury to persons and damage to property

(The minimum amount of third party insurance should be assessed by the Employer and entered).

Workers:

Other cover*:

(In each case name of insured is Contractor and Employer)

14.2 Amount to be recovered

Premium plus _____ percent (____%).

15.3 Arbitration

Place of Arbitration: Islamabad.

* (Employer to specify as appropriate)

STANDARD FORMS

(Note: Standard Forms provided in this document for securities are to be issued by a bank. In case the bidder chooses to issue a bond for accompanying his bid or performance of contract or receipt of advance, the relevant format shall be tailored accordingly without changing the spirit of the Forms of securities).

FORM OF BID SECURITY
(Bank Guarantee)

Guarantee No. _____
Executed on _____

(Letter by the Guarantor to the Employer)

Name of Guarantor (Scheduled Bank in Pakistan) with
address: _____

Name of Principal (Bidder) with
address: _____

Penal Sum of Security (express in words and
figures): _____

Bid Reference No. _____ Date of Bid _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bid and at the request of the said Principal, we the Guarantor above-named are held and firmly bound unto the _____, (hereinafter called The “Employer”) in the sum stated above, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has submitted the accompanying Bid numbered and dated as above for _____ (Particulars of Bid) to the said Employer; and

WHEREAS, the Employer has required as a condition for considering the said Bid that the Principal furnishes a Bid Security in the above said sum to the Employer, conditioned as under:

- (1) that the Bid Security shall remain valid for a period of twenty eight (28) days beyond the period of validity of the bid;
- (2) that in the event of;
 - (a) the Principal withdraws his Bid during the period of validity of Bid, or
 - (b) the Principal does not accept the correction of his Bid Price, pursuant to Sub-Clause 16.4 (b) of Instructions to Bidders, or
 - (c) failure of the successful bidder to
 - (i) furnish the required Performance Security, in accordance with Sub-Clause IB-21.1 of Instructions to Bidders, or
 - (ii) sign the proposed Contract Agreement, in accordance with Sub-Clauses IB-20.2 & 20.3 of Instructions to Bidders,

the entire sum be paid immediately to the said Employer for delayed completion and not as penalty for the successful bidder's failure to perform.

NOW THEREFORE, if the successful bidder shall, within the period specified therefore, on the prescribed form presented to him for signature enter into a formal Contract Agreement with the said Employer in accordance with his Bid as accepted and furnish within fourteen (14) days of receipt of Letter of Acceptance, a Performance Security with good and sufficient surety, as may be required, upon the form prescribed by the said Employer for the faithful performance and proper fulfilment of the said Contract or in the event of non-withdrawal of the said Bid within the time specified then this obligation shall be void and of no effect, but otherwise to remain in full force and effect.

PROVIDED THAT the Guarantor shall forthwith pay to the Employer the said sum stated above upon first written demand of the Employer without cavil or argument and without requiring the Employer to prove or to show grounds or reasons for such demand, notice of which shall be sent by the Employer by registered post duly addressed to the Guarantor at its address given above.

PROVIDED ALSO THAT the Employer shall be the sole and final judge for deciding whether the Principal has duly performed his obligations to sign the Contract Agreement and to furnish the requisite Performance Security within the time stated above, or has defaulted in fulfilling said requirements and the Guarantor shall pay without objection the sum stated above upon first written demand from the Employer forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above bounded Guarantor has executed the instrument under its seal on the date indicated above, the name and seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative pursuant to authority of its governing body.

Guarantor (Bank)

Witness:

1. Signature _____

1. _____

2. Name _____

Corporate Secretary (Seal)

3. Title _____

2. _____

(Name, Title & Address)

Corporate Guarantor (Seal)

FORM OF PERFORMANCE SECURITY
(Bank Guarantee)

Guarantee No. _____
Executed on _____

(Letter by the Guarantor to the Employer)

Name of Guarantor (Scheduled Bank in Pakistan) with
address: _____

Name of Principal (Contractor) with
address: _____

Penal Sum of Security (express in words and
figures) _____

Letter of Acceptance No. _____ Dated _____

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the terms of the Bidding Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal we, the Guarantor above named, are held and firmly bound unto the _____ (hereinafter called the Employer) in the penal sum of the amount stated above, for the payment of which sum well and truly to be made to the said Employer, we bind ourselves, our heirs, executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal has accepted the Employer's above said Letter of Acceptance for _____
_____ (Name of Contract) for the _____
_____ (Name of Project).

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer, with or without notice to the Guarantor, which notice is, hereby, waived and shall also well and truly perform and fulfill all the undertakings, covenants terms and conditions of the Contract and of any and all modifications of the said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till all requirements of Clause 9, Remedying Defects, of Conditions of Contract are fulfilled.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, _____ (the Guarantor), waiving all objections and defences under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer without delay upon the Employer's first written demand without cavil or arguments and without requiring the Employer to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer's written declaration that the Principal has refused or failed to perform the obligations under the Contract, for which payment will be effected by the Guarantor to Employer's designated Bank & Account Number.

PROVIDED ALSO THAT the Employer shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling said obligations and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Employer forthwith and without any reference to the Principal or any other person.

IN WITNESS WHEREOF, the above bounded Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

	_____ Guarantor (Bank)
Witness:	
1. _____	1. Signature _____
_____	2. Name _____
Corporate Secretary (Seal)	3. Title _____
2. _____	
_____	_____
(Name, Title & Address)	Corporate Guarantor (Seal)

FORM OF CONTRACT AGREEMENT

THIS CONTRACT AGREEMENT (hereinafter called the “Agreement”) made on the _____ day of _____ 200 _____ between _____ (hereinafter called the “Employer”) of the one part and _____ (hereinafter called the “Contractor”) of the other part.

WHEREAS the Employer is desirous that certain Works, viz _____ should be executed by the Contractor and has accepted a Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW this Agreement witnesseth as follows:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents after incorporating addenda, if any except those parts relating to Instructions to Bidders, shall be deemed to form and be read and construed as part of this Agreement, viz:
 - (a) The Letter of Acceptance;
 - (b) The completed Form of Bid alongwith Schedules to Bid;
 - (c) Conditions of Contract & Contract Data;
 - (d) The priced Schedule of Prices;
 - (e) The Specifications; and
 - (f) The Drawings
3. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy defects therein in conformity and in all respects within the provisions of the Contract.
4. The Employer hereby covenants to pay the Contractor, in consideration of the execution and completion of the Works as per provisions of the Contract, the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.

IN WITNESS WHEREOF the parties hereto have caused this Contract Agreement to be executed on the day, month and year first before written in accordance with their respective laws.

Signature of the Contactor

(Seal)

Signature of the Employer

(Seal)

Signed, Sealed and Delivered in the presence of:

Witness:

(Name, Title and Address)

Witness:

(Name, Title and Address)

SPECIFICATIONS

[Note for Preparing the Specifications

A set of precise and clear specifications is a prerequisite for bidders to respond realistically and competitively to the requirements of the user without qualifying their Bids. The specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, performance of the works. Only if this is done objectives of economy, efficiency, and fairness in procurement will be realized and responsiveness of Bids can be ensured, and the subsequent task of bid evaluation can be facilitated. The specifications should require that materials to be incorporated in the works be new, unused, and of the most recent or current models, and incorporated all recent improvements in design and materials unless provided for otherwise in the contract.

Samples of specifications from similar ~~to~~ previous procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the works and the repetitiveness of the type of procurement, it may be advantageous to standardize the Technical Specifications that should cover all classes of workmanship, materials and equipment although not necessarily to be used in a particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized international standards should be used as much as possible. The specifications shall consider all conditions but not limited to seismic conditions, weather conditions and environmental impact. The specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Specifications.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Specifications to specific standards and codes to be met by Works to be furnished and tested, the provisions of the latest current edition or revision of the relevant shall apply, unless otherwise expressly stated in the Contract. Other authoritative standards that ensure equivalence to the standards and codes specified will be acceptable.]

VII. BID SUBMISSION PROFORMA (must be uploaded on E-PADS):

The Firm/Company shall submit bid price on the provided format by writing the bid price in figures and words too, sign & stamp this form and **upload the same on E-PADS.**

**NAME OF WORK: - Rehabilitation/Construction of Boundary Wall,
Installation of CCTV Cameras, Flood Lights and
E-Fencing at Lifestyle Residency Apartments G-
13/1, Islamabad.”**

(BASED ON MRS 2ND BI—ANNUAL 2025 & NON SCHEDULE ITEMS)

A- Schedule items

NIT Amount.	Rs.	10,723,537/-
_____%(Above or Below)	Rs.	
Total A	Rs.	

B- Non-Schedule Items

NIT Amount	Rs.	5,588,916/-
_____%(Above or Below)	Rs.	
Total B	Rs.	
Total (A+B)	Rs.	

Total Quoted Amount (A+B)= Rs._____

In words:_____

Contractor Signature/Seal

VIII- BILL OF QUANTITIES

**NAME OF WORK:- UPGRADATION OF EXTERNAL FENCE &
INSTALLATION OF SECURITY SYSTEM AT LIFESTYLE
RESIDENCY PROJECT, SECTOR G-13, ISLAMABAD.**

Summary of Cost

Sub- Head (A) Schedule Items:		
<i>Item No.</i>	<i>Brief Description of Item</i>	<i>Amount (Rs.)</i>
<i>Civil Items based on MRS 2nd Bi-Annual-2025 Rawalpindi</i>		
<i>1</i>	<i>Civil Items</i>	<i>10,022,287</i>
	<i>Total amount of Civil Items (a)</i>	<i>10,022,287</i>
<i>Electrical & Mechanical (E/M) Items based on MRS 1st Bi-Annual-2026 Rawalpindi</i>		
<i>2</i>	<i>Electrical & Mechanical</i>	<i>701,250</i>
	<i>Total amount of E/M Items (b)</i>	<i>701,250</i>
	<i>Total amount of Schedule Items (A) Rs:</i>	<i>10,723,537</i>
Sub- Head (B) Non-Schedule Items:		
<i>Item No.</i>	<i>Brief Description of Item</i>	<i>Amount (Rs.)</i>
<i>1</i>	<i>Civil Items</i>	<i>638,118</i>
	<i>Total amount of Civil Items (a)</i>	<i>638,118</i>
<i>2</i>	<i>Electrical & Mechanical</i>	<i>4,950,798</i>
	<i>Total amount of E/M Items (b)</i>	<i>4,950,798</i>
	<i>Total amount of Non-Schedule Items (B) Rs:</i>	<i>5,588,916</i>
	<i>Total Estimated Cost (A+B) Rs.</i>	<i>16,312,453</i>

NAME OF WORK:- UPGRADATION OF EXTERNAL FENCE & INSTALLATION OF SECURITY SYSTEM AT LIFESTYLE RESIDENCY PROJECT, SECTOR G-13, ISLAMABAD.

Schedule Items MRS 2nd BI-ANNUAL-2025 RAWALPINDI						
S.No	Description	Qty	Rate	Unit	Amount	Remarks
3/53	Clearing and Grubbing (by removing both surface vegetation and subsurface roots and debris etc.)	64100	4,880.80	1000 Sft.	312,859	
26/46 (Labour)	Providing and fixing hot dipped Galvanized Iron chain link mesh/fence of 2"x2" mesh made of wire of specified guage, with the help of 1"x1/8" GI patti, GI. clamps and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (50 mm) 2.9mm thick (medium quality) erected @ 8ft C/C duly embeded in PCC (1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge. * Labour rate	8400	35.4	Sft	297,360	Repair of GI iron chain link mesh
26/46	Providing and fixing hot dipped Galvanized Iron chain link mesh/fence of 2"x2" mesh made of wire of specified guage, with the help of 1"x1/8" GI patti, GI. clamps and screws, i/c the cost of 3 nos 8 SWG GI tie wires penetrated through mesh at top, middle and bottom, fixed on vertical posts of 2" diameter GI pipes (50 mm) 2.9mm thick (medium quality) erected @ 8ft C/C duly embeded in PCC (1:2:4) etc. complete in all respect as approved and directed by the Engineer Incharge. (i) 8 SWG	6300	505.65	Sft	3,185,595	Installation of new GI iron chain link mesh
25/75	Providing and fixing anti climb high security galvanized razor cut wire fencing having double sharp four U-shaped pointed 0.5 mm thick (22mmx15 mm barbs) spaced @ 33 mm c/c cladded over 2.5 mm dia high tensile Core wire making coil fencing of specified diameter @ 4" c/c fixed on 2'-3" high M/S angle iron post 1½"x1½"x3/16"embeded in base of PCC (1:2:4) (4"x4"x9") @ 4' apart i/c the cost of 2 No. bars 3/8" dia welded horizontally with angle iron posts , binding wire, painting of posts, etc. complete in all respects as approved and directed by the Engineer incharge. (i) 24 " diameter	3030	658.2	Rft	1,994,346	Installation of Razor cut wire
23/19	Providing, laying, cutting, jointing, welding, testing and disinfecting G.I. pipeline in trenches,using G.I. pipes of B.S.S. 1387-1967 complete in all respects. f) 2" i/d (50 mm) 2.9mm thick	2980	760.15	Rft	2,265,247	Installation of GI pipes in horizontal at top and bottom of for Strengthening of Fence
3/21	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m). b)	1956.00	17088.20	%0 cft	33,425	Security Room 18' x 12' and Washroom
6/5	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): (i) Ratio 1: 4: 8	250.42	35626.30	% cft	89,215	-do-
7/4	Pacca brick work in foundation and plinth in:- i) Cement, sand mortar:- Ratio 1:6	256.45	38406.20	% cft	98,493	-do-

6/37	Providing and laying damp proof course of cement concrete 1:2: 4(using cement, sand and shingle), including bitumen coating :- (a) with one coat bitumen and one coat polythene sheet 500gauge 3" thick	68.25	16413.65	% Sft	11,202	-do-
7/5	Pacca brick work in ground floor:- i) cement, sand mortar:- Ratio 1:6	652.13	39434.90	% cft	257,165	-do-
6/6	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:- (3) (c) Type C (nominal mix 1: 2: 4)	565.69	757.75	cft	428,652	-do-
6/12	Fabrication of mild steel reinforcement for cement concrete, including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars):- (b) Deformed bars (Grade-40)	1429.07	29591.95	% Kg	422,889	-do-
10/3	Supplying and filling sand under floor; or plugging in wells.	79.92	4156.70	% cft	3,322	-do-
10/16	Providing and laying topping of cement concrete 1:2:4, including surface finishing and dividing in panels:- (i) 3"(75 mm) thick	240.00	16636.20	% Sft	39,927	-do-
11/10	Cement plaster 1:5 upto 20' (6.00 mm) height:- b) ½" (13 mm) thick	2060.00	4731.15	% Sft	97,462	-do-
11/23+2 4	Priming coat of chalk under distemper. Distemping:- New Surface iii) three coats	910.00	1869.10	% Sft	17,009	-do-
13/33	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect: a) new surface: i+ii) Two coats	1001.00	7789.70	% Sft	77,975	-do-
25/62	P/F Iron door comprising of specified leaves made of 1-1/4"x1-1/4"x3/16" MS angle iron for leaf frame, diagonal and horizontal braces duly welded with MS. sheet 18-SWG, including angle iron frame 2"x2"x3/8"(50x50x10 mm) i/c the cost of sliding bolt, tower bolt and painting 3-coats complete in all respect as approved and directed by the Engineer incharge	49.00	1135.95	Sft	55,662	-do-
25/41	Providing and fixing steel windows with openable glazed panels, using beam section for frame 1½"x1"x5/8"x1/8" (40x25x16x3 mm), Z-section for leaves ¾"x1"x¾"x1/8" For fixed pannels, the composite rate will (20x25x20x3 mm), T-section sashes 1"x1"x1/8" (25x25x3mm), 5mm glass panes, wooden screed for glazing embedded over a thin layer of putty duly screwed with leaves, brass fittings, holdfast, duly painted, complete in all respects, including all cost of material and labour, etc. as per approved design and as directed by the Engineer-in-charge:- b) fixed with wire gauze, 22 SWG 12x12	32.00	1411.20	Sft	45,158	-do-

23/14	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with working pressure pipe, in trenches, including specials (PS-3051=BS-3505), complete in all 'respects:- b) 4" i/d (100 mm)	20.00	530.95	Rft	10,619	-do-
23/14	Providing, laying, cutting, jointing, testing and disinfecting PVC/ uPVC pipe line with working pressure pipe, in trenches, including specials (PS-3051=BS-3505), complete in all 'respects:- a) 3" i/d (75 mm)	30.00	354.60	Rft	10,638	-do-
19/4+13 +35	Providing and fitting glazed earthen ware water closet Squatting type, including with 13.6 litres Flushing Tank and P-Trap:- White	1.00	13976.20	Each	13,976	-do-
19/7	Providing and fitting glazed earthen ware wash hand basin 56x40 cm (22"x16") including bracket set, waste pipe and waste coupling, etc. i) white, with pedestal	1.00	12051.55	Each	12,052	-do-
19/20	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	1.00	1546.20	Each	1,546	-do-
19/30	Providing and fixing, chromium plated mixing valve, for wash hand basin, sink or shower.	1.00	3854.00	Each	3,854	-do-
23/39	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex/Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge. ii) (3/4") dia	2.00	1488.00	Each	2,976	-do-
23/38	Providing and fixing CP heavy duty brass Ball valve with CP handle of specified diameter made of Faisal/Sonex/Master best quality or equivalent complete in all respect as approved and directed by the Engineer Incharge. iii) (1") dia	2.00	1908.00	Each	3,816	-do-
19/29	Providing and fixing chromium plated shower rose:- ii) 2x15 cm (¾"x6")	1.00	2728.00	Each	2,728	-do-
23/33	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta/ BB.J) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code I/c cost of solvent. specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). b) PN-20 pipe ii) ¾" i/d (25 mm)	40.00	101.15	Rft	4,046	-do-
23/33	Providing, laying, testing and commissioning of POLYPROPYLENE RANDOM COPOLYMER (PPRC) water supply pipe made of (Dadex /Popular/ Beta/ BB.J) with specified pressure rating PN (PRESSURE NOMINAL) and conforming to DIN 8077-8078 code I/c cost of solvent. specials, making jharries complete in all respect as approved and directed by Engineer Incharge. (Internal/External Diameters mentioned). b) PN-20 pipe iii) 1" i/d (32 mm)	70.00	161.30	Rft	11,291	-do-

19/27	Providing and fixing chromium plated bib cock:- i) 2 cm (¾")	2.00	1948.00	Each	3,896	-do-
19/28	Providing and fixing chromium plated stop cock, heavy:- i) 2 cm (¾")	2.00	2008.00	Each	4,016	-do-
21/05	Constructing standard gully grating chamber, 3'x2½' (900x750 mm), with chinaware trap as per PHED Drawing STD/PD No. 3 of 1977, complete in all respects.	2.00	21,254.55	Each	42,509	-do-
12/22	Providing and fixing room almirah consisting of 1" (25mm) thick solid flush shutter with deodar wood lipping ¼" (6 mm) thick all around (Approved Factory Manufactured) fixed in deodar wood frame 3"x1" (75mm x 25mm) including full hinges C.P. fittings with RCC (1:1½:3) shelves 1½" (40 mm) thick including 3 coats of painting.	126.00	1,280.65	Sft	161,362	-do-
Total Cost of Schedule Items Rs.					10,022,287	
Non Schedule Items (MRS)						
M.R	Providing and installation/fixing of Green shade net made from 100% virgin High-Density Polyethylene (HDPE) with UV stabilizers FR40 with shading ratio 70% to 75% complete in all respects as approved and directed by the Engineer incharge.	18180	35.10	Sft	638,118	Greenhouse net
Grand Total					638,118	

**PROVIDING AND INSTALLATION OF CCTV CAMERAS, LIGHTING
AND E-FENCING AT PERIPHERY OF LIFE STYLE RESIDENCY
APARTMENTS, G13 ISLAMABAD**

Abstract of Cost

CCTV		
MRS Items MARKET RATE SYSTEM (MRS) 1ST BI - ANNUAL 2026)		284,250.00
Non Schedule Items		3,159,489
	Total	3,443,739
Lighting		
MRS Items (MARKET RATE SYSTEM (MRS) 1ST BI - ANNUAL 2026)		417,000
Non Schedule Items		1,046,549
	Total	1,463,549
E-Fencing		
Non Schedule Items		744,760
	Grand Total	5,652,048
	Say in Million Rs:	5.65

PROVIDING AND INSTALLATION OF CCTV CAMERAS, LIGHTING AND E-FENCING AT PERIPHERY OF LIFE STYLE RESIDENCY APARTMENTS, G13 ISLAMABAD

CCTV CAMERAS ESTIMATE

Non Schedule Items

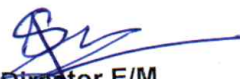
Sr. No	Product Description	Quantity	Units	Unit Price	Total
NS-01	Providing and installation of PTZ Camera 4 Mega Pixel, with optical 25x and 16x digital Zoom, IR distance up to 150m with smart tracking of human/vehicle with perimeter protection, IP67 rating, POE Supported and colored night vision supported. Wall bracket/pole bracket included complete in all respect.	4	No's	118,022	472,088
NS-02	Providing and installation of IP Bullet Camera, Motorized zoom up to 4 megapixel, Night vision, Line crossing detection and region intrusion detection, IP67 rating, POE Supported, IR Range up to 60 m. Wall or pole mounted as per requirement. Wall bricked/pole bracket included complete in all respect.	9	No's	38,528	346,752
NS-03	Providing and installation of 16 channel 4k resolution and 10TB supported NVR with 15 days backup.	1	No's	55,820	55,820
NS-04	Providing and installation of Hard Drive Surveillance (4+4)TB, 128MB, CACHE, 15 days rec, 25fps	1	No's	80,074	80,074
NS-05	Providing and installation of NETWORK KEYBOARD, 4-AXIS JOYSTICK, SUPPORTS REALIZES DOME & PTZ CONTROL, NVR CONNECTION with complete USER ACCOUNT MANAGEMEN	1	No's	72,531	72,531
NS-06	Providing and installation of 8 port POE Networking switch	2	No's	16,247	32,494
NS-07	Providing and installation of 4 port POE Networking Switch	6	No's	13,345	80,070
NS-08	Providing and installation of 40" LED Android with 4K HDMI Cable and wall bracket 3840 resolution supported, 5m HDMI Cable	1	No's	85,296	85,296

NS-09	Providing and installation of CAT-6 23AWG UTP PVC Cable 4 pair	660	R/meter	121	79,860
NS-10	Providing and installation Powder coated PTZ Poles 12ft height, 4" Dia, 10SWG with baseplate 12mm thickness with J-Bolts/Rawal Bolts 01ft, complete in all respect	4	No's	38,528	154,112
NS-11	Providing and installation RJ45 connectors for CAT6 cable connections	100	No's	41	4,100
NS-12	Providing and installation Powder coated PTZ Poles 06ft height, 3" Dia, 14SWG with baseplate 10mm thickness with J-Bolts/Rawal Bolts 01ft, complete in all respect.	1	No's	8,530	8,530
NS-13	Providing and installation of single core 7/36 Copper full Gauge Electric wire for power supply.	1000	R/meter	300	300,000
NS-14	Providing and installation of well known brand UPS 3200 Watt pure sine wave	2	No's	110,250	220,500
NS-15	Providing and installation of a well known brand Dry Batteries (Compatible with UPS) 100 Amh with backup up to 6 hours	4	No's	90,520	362,080
NS-16	Providing and installation ODF 12 port loaded for optic fiber cable splicing	1	No's	8,530	8,530
NS-17	Providing and installation ODF 6 port loaded for optic fiber cable splicing	6	No's	4,874	29,244
NS-18	Providing and installation 12 core optic fiber cable	400	R/meter	116	46,400
NS-19	Providing and installation Media converter <i>IGTP-2205AT Compact Industrial 2-Port 100/1000X SFP to 2-Port 10/100/1000T 802.3at</i>	13	No's	5,048	65,624
NS-20	Optic Fiber splicing (Joints)	50	No's	708	35,400
NS-21	Providing and installation of distribution box with 4no. 8 amp Breakers for main power supply 220V	2	No's	3,192	6,384
NS-22	Providing of Table for system with 2 chairs and wooden Battery rack	1	Set	27,637	35,000
NS-23	Providing and installation of PVC Branded Pipe 3/4" (Camera to DB Box) with clamps, sockets, Tee, elbow etc.	1100	R/meter	116	127,600

NS-24	Providing complete services including Testing and commissioning, configuration of system including NVR, PTZ, Bullett Cameras, poles, Fire Cable, Electric Cable, LED, UPS, Batteries Pipes etc.		Job	451,000	451,000
Total (Non Schedule)					3159489
MARKET RATE SYSTEM (MRS) 1ST BI - ANNUAL 2026					
MRS Items					
S-1 MRS 3/21 1(a) iii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). 1. a) By Manual iii) Hard soil or Soft murum	5000	cft	19	95,000
S-2 MRS 6/6 a(3)	Providing and laying Reinforced cement concrete in Pile cap, slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a-d) above not requiring form work (i.e. horizontal shuttering) complete in all respects. 3) Type C (nominal mix 1: 2: 4)	250	cft	757	189,250
Total (MRS)					284,250.0


Sub Engineer (E/M)


Assistant Director (E/M)


Deputy Director E/M

PROVIDING AND INSTALLATION OF CCTV CAMERAS, LIGHTING AND E-FENCING AT PERIPHERY OF LIFE STYLE RESIDENCY APARTMENTS, G13 ISLAMABAD

Lighting System Estimate

MARKET RATE SYSTEM (MRS) 1ST BI - ANNUAL 2026						
Sr.No	ITEMS	QTY		RATE	UNIT	AMOUNT
MRS ITEMS						
S-3 MRS 3/21 1(a) iii	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling in layers around structure with excavated earth, watering and ramming lead 'upto one chain (30 m) and lift upto 5 ft. (1.5 m). 1. a) By Manual iii) Hard soil or Soft murum	2000	Cft	19	Cft	38000
S-4 MRS 6/6 a(3)	Providing and laying Reinforced cement concrete in Pile cap, slab of rafts / strip foundation, base slab of column and retaining walls; etc and footing beams, other structural members other than those mentioned in 6(a-d) above not requiring form work (i.e. horizontal shuttering) complete in all respects. 3) Type C (nominal mix 1: 2: 4)	500	Cft	758	cft	379000
Total (MRS)						417000
NON-SHEDULED ITEMS						
LT Distribution Board						
NS-27	LT 230 V AC weather proof lighting control panel (LCP), shall be weather proof made from 16 SWG sheet steel. This shall be designed,fabricated and manufactured as a free standing floor type . The sheet metal work shall be cleaned down to bare shining metal degreased , derusted and painted with TWO base coats of antirust RED paint . The sheet metal work shall be finished in TWO coats of powder paint. The color and shade shall be as approved by the Engineer . The distribution board shall be complete with all internal wirings ,tags,identification labels, P,N and E copper busbars,accessories etc. The DB should be					
NS-27(a)	LCP shall comprise ; 01 No.63 Amps TP MCCB RC-10 kA 03 Nos. 2 Amps Protection Fuses. 01 No. Analog Voltmeter. 02 Nos. 220 VAC indication lights. 03 Nos. Electrolytic copper busbars with connection arrangement of outgiong cables. Nut and bolts,washers,bus bar insulations. 2 No. 32 Amps SP MCB RC-06 kA 01 No. Timer 01 No. 100 Amps Magnetic Contactor 01 No. Manual-Off-Auto Switch. 01 No. Photocell. i/c all interconnections complete in all aspectsas required as per satisfaction of engineer incharge.	1	Nos	110352.00	P.Jobs	110352.00
LT Cables						
NS-28	Providing/laying main sub main cable PVC insulated PVC sheathed Aluminum conductor 600 / 1000 volts of approved makes and quality NEWAGE / Pakistan Cable / Fast Cable in existing all type of pipe conduits making all electric connection as required as per satisfaction of engineer incharge.					
NS-28(a)	Twin Core, 10mm2, Aluminium	2500	Rft	99	P.Rft	247500
NS-28(b)	Single Core,35mm2, Aluminium	200	Rft	216	P.Rft	43200
Earthing						
NS-29	Providing and installation of GI Earth Rod 6ft long and 12 mm dia including earthing wire with clamps and connections as required and directed by Engineer Incharge.	1	Nos	4197	P.Jobs	4197
HDPE Pipes						
NS-30-A	Supply and fixing 50 mm dia HDPE pipe including fittings burried under ground or hanged on walls including all accessories as required complete in all respect & as approved by Engineer Incharge	200	Rft.	110	P.Rft	22000

NS-30-B	Supply and fixing 25 mm dia HDPE pipe including fittings buried under ground or hanged on walls including all accessories as required complete in all respect & as approved by Engineer Incharge	1300	Rft.	77	P.Rft	100100
	Light Fixtures					
NS-31	Providing, Installation, Testing & Commissioning of Flood Lights IP66, IK08, Neutral White /Cool White colour, 125 lm/watts efficiency, 0.95 or above power factor, 40,000-50,000 hours life cycle, Surge Protection, Philips/Sunlight/Fast, complete in all respect as approved by the Engineer Incharge.					
	100 Watt	20	Nos	25960.00	Each	519200
Total Rs. Non-Sch						1046549


Sub Engineer (E/M)


Deputy Director E/M


Assistant Director (E/M)

PROVIDING AND INSTALLATION OF CCTV CAMERAS, LIGHTING AND E-FENCING AT PERIPHERY OF LIFE STYLE RESIDENCY APARTMENTS, G13 ISLAMABAD

ELECTRIC FENCING ESTIMATE

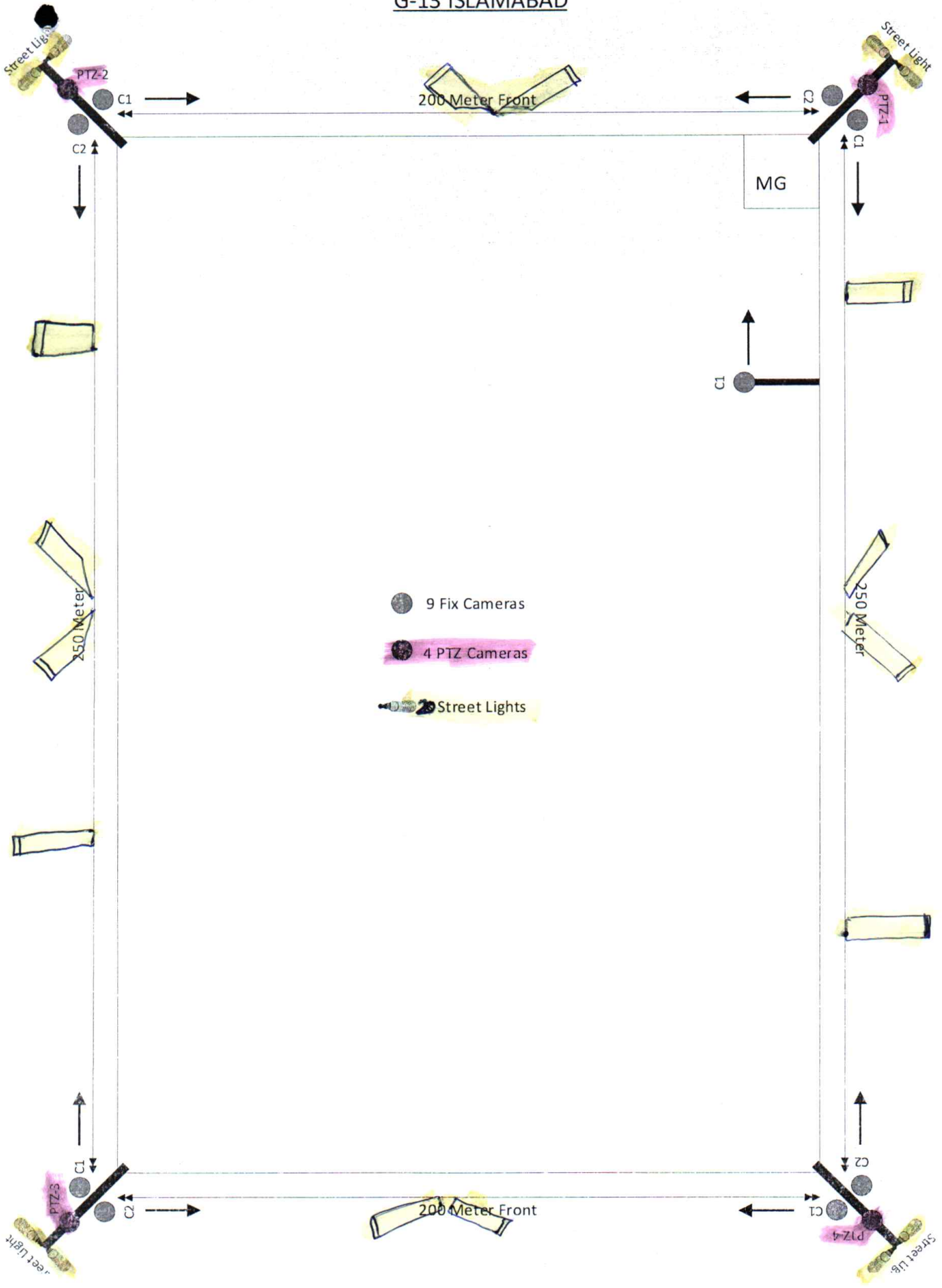
Sr. No	Product Description	Quantity	Units	Unit Price	Total
NS-25	Providing and Installation of E-Fencing on Boundary Wall Eastern Side (Along Railway Track)	1	No.	48,160.00	48,160.00
	Smart Energizer High Voltage Control Panel with upto 12000 DC Volts electric shocked, LCD Display with 02 years warranty, Built-in UPS with 12v5AH Dry Battery Backup, Wireless Remote :02, AMS DB Box for Energizers, Electric Pulse Circle, Alarm System on Site, Non-lethal Electric Shocked in Wires				
NS-26	Cabling, Wiring and Support System	600	Rft	1161	696,600.00
	Providing and Installation of Stands Rod 40 Inches 0.75x0.75" thickness Square Tube 18G				
	Lightening Earthling with HT Wire & Support Rod 33 Inches Round Shape SS Support				
	Hybrid Carbonated Anti Moisture Material Poles				
	1.2mm SS wire 8 wires with 04in distance 304 Grade				
	Jurassic Insulator AMS compression spring AMS				
	• Warning Boards AMS with Labor & Fitting Charges				
	Joints covered with hydro carbonated materials				
	Waterproof Enclosures for Protect IP65 Energizer				
	Warning Sign AMS Plates				
	Post cover with Black Cap materials				
	HT Selves tube shape Aluminum				
	Warning Boards for outer wall				
	Installation & Commissioning with internal networks				
	Remotely Access on Android/iPhone by app				
	Special Wire designed for Humidity Factor				
	Anchor Bolts with 3 inches bolts 01 1056 Unit Price 48,000 375				
	Pole to Pole Distance up to 10~12 Feet				
	12 No. 1.5 inches Screws				
	Nut & Bots for Support connections				
	RFID Technology for Devices power On/Off				
	Physical Button for Device on/Off				
	Light Plug for 18v 2 Ampere Power Supply				
	Weight up to 1.2KG without accessories, etc complete in all respect as approved and directed by Engineer incharge.				
	Total				744,760.00


Sub Engineer (E/M)

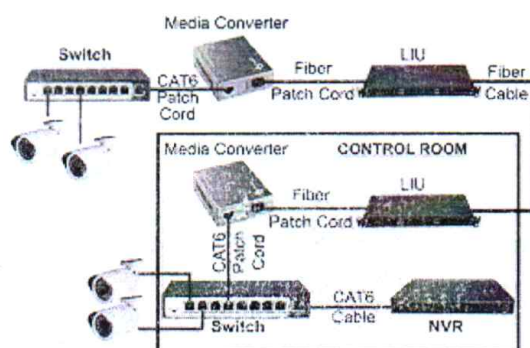

Assistantant Director (E/M)


Deputy Director (E/M)

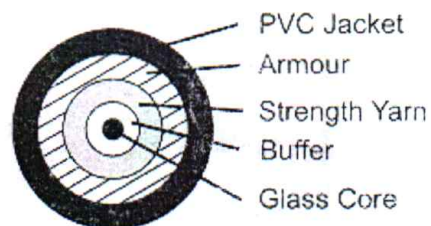
G-13 ISLAMABAD



Design Architecture Of IP CCTV System



Optical Fiber Cable (OFC)



Network Design, Concept of Bandwidth, Selection of Switches,
PoE Budget, Use of Optical Fiber Cable,
Architecture Design Examples

pöllö 
Prime Series

Anne-C



4MP 32X PTZ

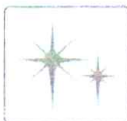
PLC-9432-IR15/PM

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Smart Tracking



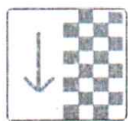
Starlight



True WDR



Auto Day/Night



3D DNR



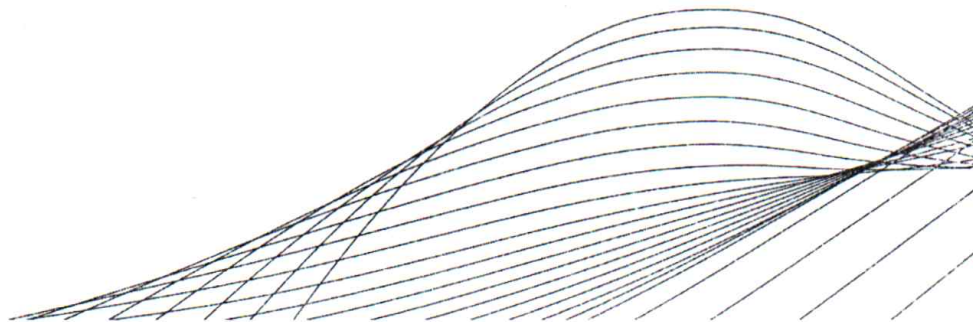
PoE



IP66



H.265

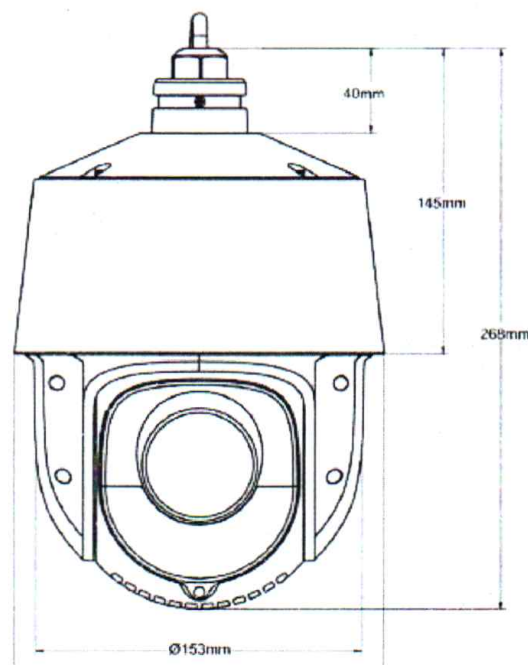


Key Features:

- ✔ 1/2.5" progressive scan CMOS
- ✔ Up to 2560×1440 resolution
- ✔ Mini illumination:
 - Colour: 0.01 lux @ (F1.65 AGC ON) B/W: 0.002 lux@ (F1.65 AGC ON) 0 Lux with IR
- ✔ 25x optical zoom, 16x digital zoom
- ✔ 120 dB WDR, 3D DNR, Smart IR
- ✔ Up to 150m IR distance
- ✔ Smart H.265/H.264 video compression
- ✔ 1.0 Tops Deep-learning Engine
- ✔ Smart tracking of human/vehicle
- ✔ Smart detection and perimeter protection
- ✔ IP67, -30°C~55°C, ADC12 + PC/GF
- ✔ PoE+ (802.3.at, class 3) and DC12V
- ✔ ONVIF, API and SDK



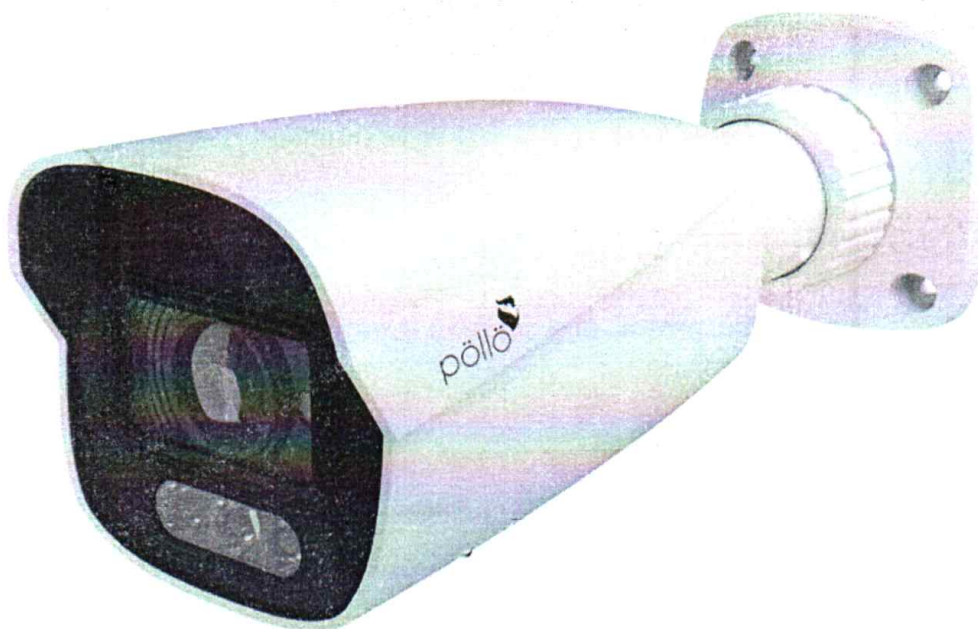
Dimensions:



Specifications:

Model	PLC-9432-IR15/PM
Image sensor	1/2.5" progressive scan CMOS
Mini. Illumination	Color: 0.01Lux @ (F1.65, AGC ON) ; B/W: 0.002Lux @ (F1.65, AGC ON); 0Lux with IR
Image setting	Flip, Mirror, Saturation, Brightness, Contrast, Sharpness, AGC, and AWB adjusted by client software/browser
Shutter Speed	1/1 s – 1/10,000 s
White Balance	Auto/Manual/Indoor/Outdoor
Gain	Auto/Manual
Day & Night	IR Cut filter
Digital Zoom	16x
Privacy Mask	4 Programmable privacy masks
3D DNR	Auto/Manual
BLC	Yes
HLC	Yes
WDR	120 dB
Defog	Electronic
Regional Exposure	No
Picture overlay	Logo picture could be overlaid on video with 128x128pixels, 24bits BMP format
Focus length	f=4.7-150mm lens, 32x optical
Zoom Speed	Approx. 3.6s (optical zoom, wide-tele)
Field of View	Horizontal: 55° to 2.4° (wide-tele) Vertical: 33° to 1.4° (wide-tele) Diagonal: 61.5° to 2.8° (wide-tele)
Working distance	wide: 1.0m ~ INF; tele: 1.5m ~ INF
Aperture Range	F1.65 ~ F3.8 (wide-tele)
Pan Range	360° endless
Pan speed	Configurable, from 0.1~80°/s; Preset speed: 80°/s
Tilt Range	From -5° to 90°
Tilt Speed	Configurable, from 0.1~80°/s; Preset speed: 80°/s
Proportional Zoom	Yes
Preset	300
Cruise	8 cruises, up to 16 presets for each cruise
Track	4 tracks, record time over 3 minutes for each track
Power off memory	Support
Action mode	Preset/Cruise/Track/Auto Scan/Random Scan
3D Positioning	Support
PTZ Position Display	Support
Schedule Task	Preset/Cruise/Track/Random Scan/Boundary Scanning /Dome reboot
IR Distance	150m
Smart IR	Yes

Max Resolution	2560x1440
Main stream	2560x1440, 2048x1536, 1920x1080, 1280x960, 1280x720 (25/30fps)
Sub stream	25fps (704 × 576, 640 × 480, 352 × 288) 30fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
SVC	Yes
Video compression	Smart H.265/H.264/MJPEG
Audio compression	G.711 A/U
Audio Enhancement	No
Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous live view	Up to 6 channels
User / Host	Up to 16 users, 3 levels: Administrator, Advanced User and Normal User
Security Measures	User authentication (ID and PW), Host authentication (MAC address); HTTPS encryption, IEEE802.1x port-based network access control; IP address filtering
Basic event	Motion detection, exception (network disconnected, IP address conflict, SD full, SD error),
Face recognizes	Default off, max 30 human faces per second.
Face compare	Default off
People Density	Not support by this version
Smart Detection	Intrusion detection, Line crossing detection, Region entrance detection, Region exiting detection, Object removal detection (object left/missing), Scene change detection, Video blur detection, Video color cast detection Support alarm triggering by human or vehicle, filtering flag/animal.
Smart Tracking	Manual Tracking, Auto Tracking (human or vehicle by software setting)
Alarm Linkage	Alarm actions, such as Preset, Cruise, Track, Memory Card Video Record, Trigger Recording, Notify Surveillance Center, Upload to FTP/Memory Card, Send Email
Network Interface	1 RJ45 10M/100M Adaptive Ethernet (Support PoE 802.3.at)
Storage	On-Body memory card slot, support microSD/SDHC/SDXC, up to 256G
API	ONVIF, support Pollo SDK and third-party management platform
Client	PVMS Plus and the third-party client
Web Browser	IE8-11, Chrome41.0-44, Firefox30.0-51, Safari8.0-11
Power	DC12V or PoE+ (802.3.at, class 3), (Max 22W, include IR on, Heater on, Fan working)
Working condition	-30°C ~ 55°C (-22°F ~ 131°F), 90%RH less (non-condensing), Cold start at - 20°C
Storage condition	-40°C ~ 65°C; ≤ 95% RH
Protection	IP67, 4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum Alloy; PC+GF10%
Dimensions	Φ 173mm × 247mm (6.8" Φ × 9.7")
Weight	Approx. 2.1 Kg (13.22 lb.)
Certification	IP67, ROHS, CE, FC

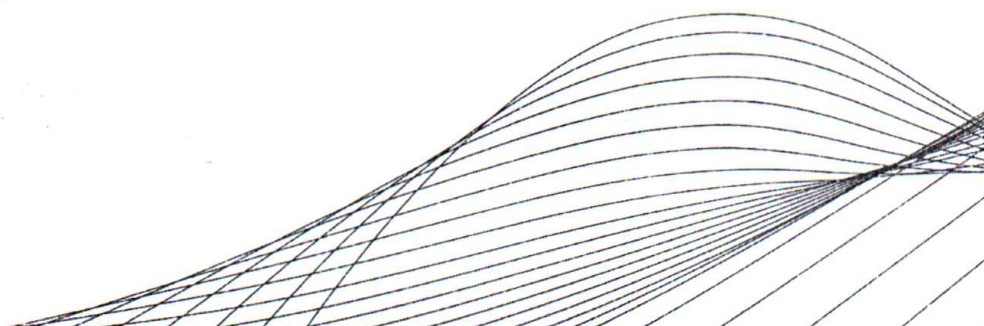
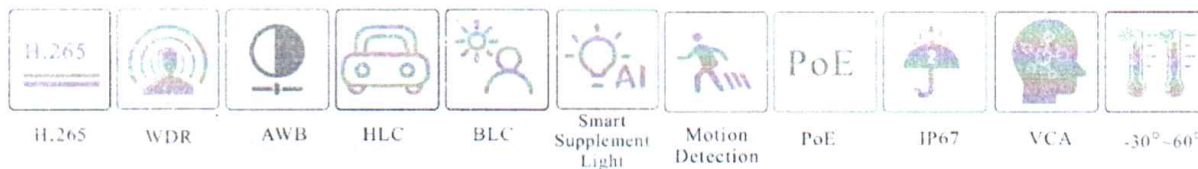


4MP DUAL LIGHT IP CAMERA

PLC-424M-MZ-DL6/PM

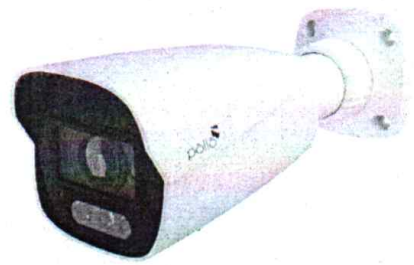
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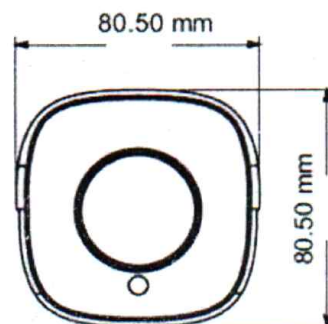
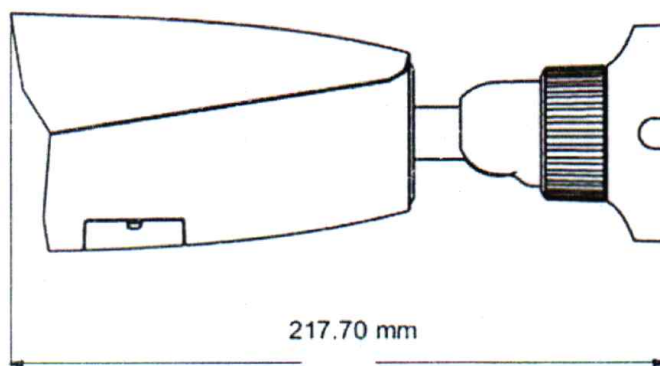


Key Features:

- ❑ H.265+ /H.265 /H.264+ /H.264/MJPEG coding
- ❑ Max. resolution: 4MP (2688 × 1520)
- ❑ Auto day/night switch
- ❑ 3D DNR, WDR, HLC, BLC, etc.
- ❑ ROI coding
- ❑ Support smart supplement light
- ❑ 40~60m white light view distance; 40~60m IR view distance
- ❑ DC12V/PoE power supply
- ❑ IP 67 ingress protection
- ❑ Support dual streams
- ❑ Support remote monitoring by smart phones& tablet PCs
- ❑ with iOS and Android OS
- ❑ Support line crossing detection & region intrusion detection
- ❑ Support SMD



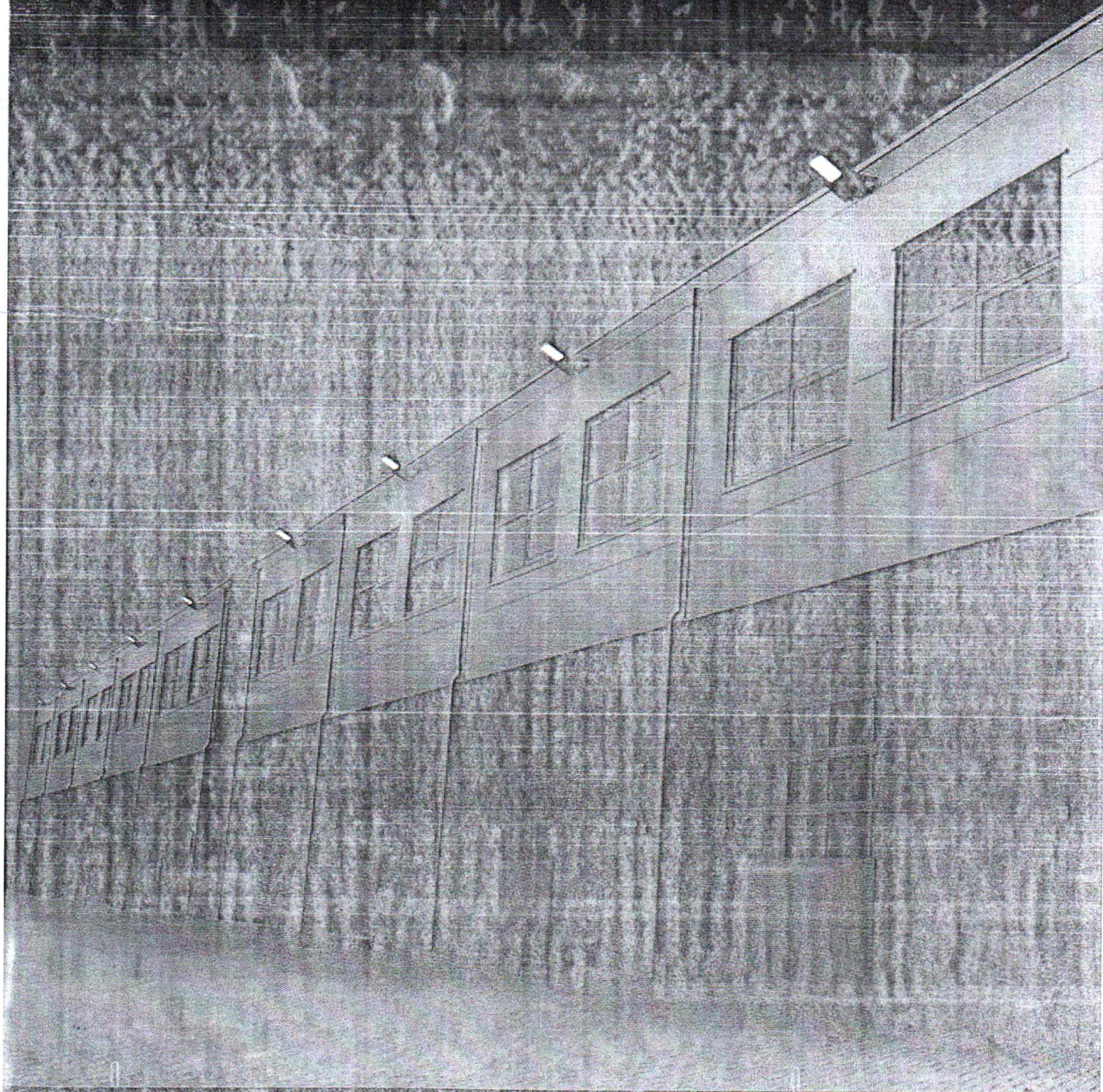
Dimensions:



Specifications:

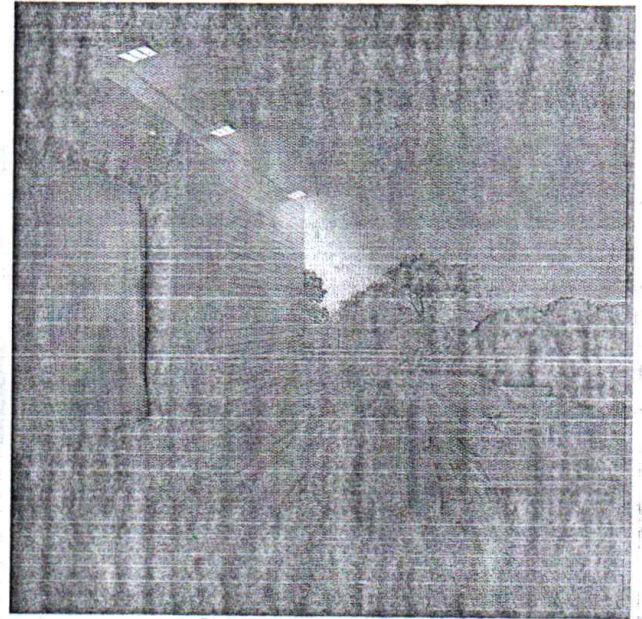
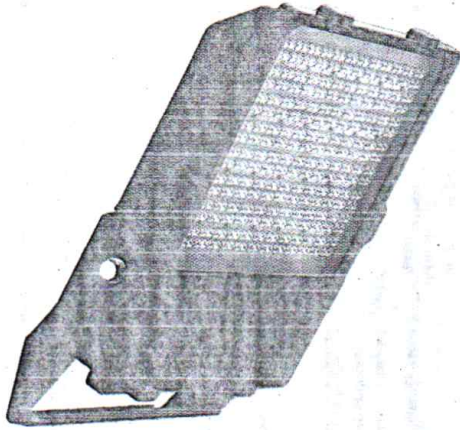
Model	PLC-424M-MZ-DL6/PM
Image Sensor	1 / 3 "CMOS
Image Size	2688×1520
Electronic Shutter	1 / 3s ~ 1 / 100000s
Iris Type	Fixed Iris
Min. Illumination	0.03 lux @F1.4, AGC ON; 0 lux (Illuminator on)
Lens	2.8~12mm@F1.4
Field of View	Horizontal: 92.5~34°; Vertical :54.5~18°; Diagonal:112~39°
Focus	Motorized
Lens Mount	Ø14
Day & Night	ICR
Wide Dynamic Range	Digital WDR
BLC	Yes
HLC	Yes
Digital NR	Yes
S/N Ratio	≥50dB
Angle Adjustment	Pan: 0°~360°; Tilt:0°~90°; Rotation: 0°~360°
Video Compression	Main stream: H.265+ / H.265 / H.264 + / H.264 Sub stream: H.265+ / H.265 / H.264 + / H.264 / MJPEG
H.265 Compression Standard	Main Profile@Leve4.1 High Tier
Resolution	4MP (2688 × 1520), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, VGA (640× 480), 480× 240, CIF
Main Stream	4MP/ 3MP/1080P/720P (60Hz: 1~30fps; 50Hz: 1~25fps)
Sub Stream	D1/VGA/480× 240/CIF (60Hz: 1~30fps; 50Hz: 1~25fps)
Bit Rate	64 Kbps ~ 3 Mbps
Bit Rate Type	VBR / CBR
Audio Compression	G711A/U
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser
ROI	Each ROI to be configured separately
Network	RJ45
Video Output	No
Audio	1CH built-in MIC
Remote Monitoring	Web browser /POLLO NVR/PVMS Plus /Mobile APP
Web Browser	IE 11 (plug-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 3 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, 802.1x, HTTP
Interface Protocol	ONVIF
Storage	Network remote storage

Motion Detection	Support smart motion detection; filtering motion alarm triggered by other target types except humans.
Smart Event	(Human) region intrusion detection, (human)line crossing detection
General Function	Watermark, video mask, heartbeat
Security	Video encryption, firmware encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP
PoE	Yes, IEEE802.3af
Supplement Light Range	IR range: 40 ~ 60 m; white light range:40 ~ 60 m
Ingress Protection	IP67
Power Supply	DC12V/PoE
Power Consumption	< 8.5W
Operating Environment	- 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)
Storage Environment	- 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)
Dimensions (mm)	217.7 ×80.5 × 80.3
Weight (net)	Approx. 0.608KG
Installation	Ceiling mounting; Wall mounting
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)



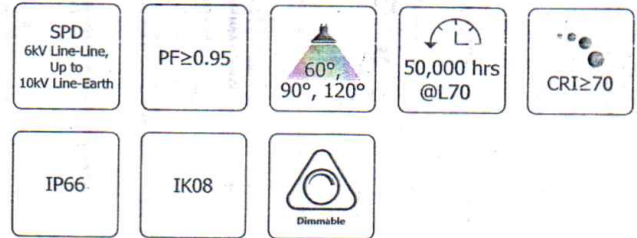
FLOOD LIGHTS

ENDURE FLOOD LIGHT



PRODUCT FEATURES

- Die-cast Aluminum, Tempered Glass & Polycarbonate Optical Lens
- 0-10v Dimmable (Optional), DALI (Optional), Motion Sensor (Optional)
- Bracket Mounting
- 125 lm/W



APPLICATION AREAS

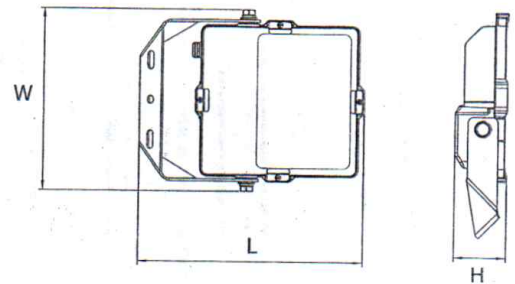
- For recreational sports / Stadium
- Exhibition Center / Parking Lots
- Shopping Mall / Accent Lighting

PRODUCT BENEFITS

- Light Uniformity and sight advantage
- Up to 80% savings in energy cost
- Bright, robust, and durable
- Low maintenance cost

CCT

3000K 4000K 5700K 6500K



Wattages	Total Lumens	Voltage Range	LxWxH (mm)
50W	6,250	220~240V	300x240x69
100W	12,500	220~240V	335x295x71
150W	18,750	220~240V	375x320x75
200W	25,000	220~240V	400x345x78
300W	37,500	220~240V	464x410x83

IX- DRAWINGS

X- LIST OF APPROVED MANUFACTURES

LIST OF RECOMMENDED MANUFACTURERS

(to be signed by the Bidder)

Equipment and materials specified with brand names have been provided in order to establish a standard of performance and do not necessarily indicate a preference for a particular manufacturer or material.

The names of manufacturers given below are to indicate the level of quality and performance anticipated by the Engineer/ Employer. Other makes may be accepted provided that the quality and performance of such equipment, in the sole opinion of the Engineer, are at least equal to or better than the equipment/ product offered by the recommended manufacturer.

The acceptance of equipment/ materials offered by these manufacturers will be subject to compliance of offered models/materials with the specifications, capacity and/or performance requirements.

Onus lies with the Contractor for establishing the genuineness of any material/product for its make and origin.

S.No.	Item	Manufacturer
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PLUMBING WORKS

- | | | | |
|---|-----------------------|-----|-------------------------------|
| 1 | HDPE PIPES & FITTINGS | i | DADEX |
| | | ii | INTERNATIONAL INDUSTRIES Ltd. |
| | | iii | INDUS PIPES |

ELECTRICAL WORKS

- | | | | |
|---|----------------------------------|-----|-------------------|
| 1 | DISTRIBUTION BOARDS | i | POWERTECH |
| | | ii | TECMEN |
| | | iii | BILAL ENGINEERING |
| | | iv | ELECTRECH |
| | | v | PEL |
| 2 | CABLES & WIRES | i | PAKISTAN CABLES |
| | | ii | NEWAGE CABLES |
| | | iii | FAST CABLES |
| | | | SCHNEIDER |
| 3 | MCCBs AND MCBs ELCBs | i | SCHNEIDER |
| | | ii | TERASAKI |
| | | iii | ABB |
| 5 | LIGHTING POLES | i | JAMAL PIPES |
| | | ii | BASHIR PIPES |
| 7 | PVC CONDUITS, PIPES, ACCESSORIES | i | DEHN |
| | | ii | FURSE |
| | | iii | ISLAMABAD METAL |

8	FLOOD LIGHT	i	PHILIPS
		ii	FAST LIHGTS
		ii	ST LIGHTS
9	PTZ CAMERA	i	POLLO
		ii	DAHUA
		iii	HIKVISION
10	IP BULLET CAMERA	i	POLLO
		ii	DAHUA
		iii	HIKVISION
11	NVR	i	POLLO
		ii	DAHUA
		iii	HIKVISION
12	JOY STICK	i	ACC. TO CAMERA BRAND AND NVR SYSTEM
13	POE NETWORK SWITCH	i	IMPORTED
14	LED TV	i	SAMSUNG
		ii	SONY
		iii	TCL
15	CAT 6	i	ACC. TO CAMERA AND NVR SYSTEM
16	HARD DRIVE	i	SEAGATE
		ii	WD PURPLE
17	UPS	i	HOMAGE
		ii	INVEREX
		iii	APC
18	DRY BATTERY	i	IMPORTED
19	SMART ENERGIZER HIGH VOLT CONTROL PANEL	I	TONGHER
		II	NEMTEK

Authorized Signature and official Seal: _____

Name: _____