

MILITARY LANDS & CANTONMENTS DEPARTMENT
WALTON CANTONMENT BOARD LAHORE

UAN: 111-925-866, Fax: 042-99220161

Ahmed Bukhsh Road, R.A Bazar Lahore Cantt



REQUEST FOR PROPOSALS (RFP)

**HIRING OF SERVICES FOR
COMPREHENSIVE ENERGY AUDIT &
IMPLEMENTATION OF INTELLIGENT
ENERGY OPTIMIZATION SOLUTIONS
FOR**

WALTON CANTONMENT BOARD LAHORE

(AS PER PPRA RULES, 2004 – QCBS METHOD)

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1. INVITATION TO BID

- Walton Cantonment Board (WCB), Lahore invites sealed proposals from qualified, experienced, and certified Energy Auditing Firms / consortia for the “Hiring of Energy Auditor for WCB Installations” in accordance with the Public Procurement Rules (PPRA) 2004.
- The purpose of this assignment is to conduct a comprehensive Energy Audit, efficiency assessment and the design of Technological/Intelligent Energy Management Solutions of WCB facilities including tube wells, disposal/pumping stations, street lights systems, public park, electrical motors, and associated infrastructure to reduce electricity cost through tangible and intangible measures for performance improvement and better maintenance, as detailed in the Terms of Reference (ToRs).
- Bidding shall be carried out under the Quality and Cost Based Selection (QCBS) method as prescribed in PPRA Rules.
- Interested and eligible firms are invited to submit their Technical and Financial Proposals in separate sealed envelopes, clearly marked as such, and enclosed together in one sealed package addressed to: Cantonment Executive Officer, Walton Cantonment Board Lahore.
- The detailed Request for Proposals (RFP) containing Instructions to Bidders, Eligibility Criteria, Terms of Reference (ToRs), Scope of Work, Evaluation Criteria, Draft Contract Agreement, and Prescribed Formats/Annexures may be obtained from WCB during working hours or downloaded (if applicable).
- The proposals must be submitted/upload on E-PADS on or before 02-07-2026 at 1500 hours. Technical Proposals will be opened on the same day at 1530 hours in the presence of the bidders or their authorized representatives who choose to attend.
- Financial Proposals of only the technically qualified bidders (those securing at least 70% marks) will be opened later, with date and time communicated accordingly.
- WCB reserves the right to reject any or all proposals at any stage in accordance with Rule 33 of PPRA Rules, 2004.

2. INSTRUCTIONS TO BIDDERS (ITB)

2.1 General

WCB invites proposals from certified, experienced Energy Audit Firms to perform an independent Energy Audit of WCB installations.

Bidders must follow all instructions, formats, and conditions contained in this RFP.

2.2 Eligible Bidders

- Hold NTN/PRA Registration
- Lead Auditor ISO 50001
- Certified Energy Auditor / IoT / Automation Engineer
- Have at least 5 years of relevant experience
- Experience of working with International Development Organizations
- Submit affidavit of non-blacklisting
- Proof of completing at least 03 similar projects (Energy Audits/Smart Grid/IoT Energy Solutions) in the public or corporate sector within the last 5 years

2.3 Clarification of RFP

- Bidders may request clarification in writing no later than 5 days before submission deadline.

2.4 Cost of Bidding

- All costs related to proposal preparation and submission shall be borne by the bidder.

2.5 Preparation of Proposals

- Proposals shall be divided into:
 - Technical Proposal
 - Financial Proposal
- Each in a separate sealed envelope.

2.6 Technical Proposal Requirements

The Technical Proposal shall include:

- Cover Letter
- Company Profile
- NTN/PRA Certificates
- Certifications
- Relevant Experience (Client List)
- Methodology & Work Plan
- List of Audit Instruments
- Work Schedule
- Affidavit of Non-blacklisting
- Filled Annexures
- Any supporting documents

Note: No financial information is allowed in the Technical Proposal.

2.7 Financial Proposal Requirements

The Financial Proposal must include:

- Cover Letter
- Lump sum cost
- 90-day validity
- No conditional pricing

2.8 Proposal Validity

- Proposals must remain valid for 90 days.

2.9 Submission of Proposals

- Technical and Financial Proposals must be submitted in separate sealed envelopes, placed inside a third sealed envelope marked: “Proposal for Energy Audit Services – WCB Lahore”

2.10 Deadline for Submission

- Proposals must be submitted/upload on or before:
- Date: 02-07-2026
- Time: 1500 hours
- Late proposals will be rejected.

2.11 Opening of Proposals

- Technical Proposals will be opened first on the same day.
- Only technically qualified bidders (≥ 70 marks) will have their Financial Proposals opened.
- Date for Financial Proposal opening will be communicated to qualified bidders.

2.12 Evaluation Method

- Evaluation will be based on QCBS 70:30:
- Technical Score = 70%
- Financial Score = 30%
- Final ranking = Technical \times 0.70 + Financial \times 0.30

2.13 Rights of WCB

- WCB reserves the right to reject any or all proposals under Rule 33 of PPRA Rules, 2004.
- Reject any or all proposals
- Verify documents
- Seek clarifications

2.14 Fraud and Corruption

- Any corrupt, fraudulent, coercive or collusive practice will lead to:
- Rejection of bid
- Blacklisting of firm
- Legal action

2.15 Confidentiality

- Information supplied by bidders shall remain confidential and used only for evaluation.

2.16 Award of Contract

- The contract will be awarded to the highest-ranked firm after completing PPRA-required negotiations and formalities.

3. ELIGIBILITY CRITERIA

Mandatory requirements:

<u>Requirement</u>	<u>Status</u>
• NTN/PRA Registration	Mandatory
• Minimum 5 Years' Experience	Mandatory
• Non-Blacklisting Affidavit	Mandatory
• Lead Auditor ISO 50001	Mandatory
• Experience of working with International development Organizations	Mandatory
• Proof of completing at least 03 similar projects (Energy Audits/Smart Grid/IoT Energy Solutions) in the public or corporate sector within the last 5 years	Mandatory

4. PURPOSE OF WORK:

- To conduct a Level-II or Level-III (Investment Grade) audit of all electrical infrastructure.
- To establish an energy baseline and identify significant energy users (SEUs).
- To identify technical, operational and financial measures through which energy consumption and electricity bills can be reduced.

- To understand the performance characteristics, status, and operating conditions of critical electrical and mechanical systems.
- To provide capital and operational costs for energy reduction recommendations.
- To prioritize implementation steps with calculated savings, payback periods and environmental impacts.
- To identify energy inefficiencies and implement smart technologies to optimize consumption across WCB assets

5. **TERMS OF REFERENCE (ToRs)**

The selected firm shall:

- Conduct a complete energy audit of all WCB installations.
- Perform all field testing and diagnostic measurements.
- Analyze electrical, mechanical, and operational performance.
- Identify inefficiencies and recommend improvements.
- Provide cost-benefit and payback analysis.
- Submit Inception, Draft & Final Reports.
- Complete entire assignment within 45 days.

6. **AUDIT LOCATIONS**

- Tube Wells (All) (List Attached as annexure “A”)
- Filtration Plants (All) (List Attached as annexure “B”)
- Disposal / Pumping Stations (List attached as Annexure “C”)
- Streetlight Circuits (List of streets lights attached as Annexure “D”)
- WCB Office Buildings (List attached as Annexure “D”)
- Electrical Panels, Motors, and Control Rooms
- Existing Energy Monitoring System

7. **SCOPE OF WORK**

7.1 Data Collection & Review

- Design, operational and maintenance information gathering will be undertaken. Measurement of: Pump flow, energy consumption and operating hours.\ Motor efficiency (in-situ) using Fluke 438 Motor Efficiency Analyzer.
- Energy loss using Fluke 435-II (power quality, imbalance losses, resistive losses)
- Thermography of Panels/Motors.

- Ultrasonic bearing measurement for Motors/Pumps.
- LESCO bills review related to connections load charges, maintenance history, failure logs.
- Identify where the most energy consumption systems exist.

7.2 Field Assessment, Measurements & Testing

A. Electrical Measurements

- Voltage and Current readings (Phase-wise)
- kW, kWh, Power factor monitoring
- Imbalance Voltage/Current readings
- Demand profile assessment with historical data (years)
- Harmonic assessment if applicable
- Pump/Motor loading vs rated capacity
- Motor efficiency (Fluke 438)
- Energy loss via calculations

B. Mechanical/Hydraulic Testing

- Water flow via portable ultrasonic water flow meter
- Suction & delivery pressure where possible
- Total dynamic head measurement estimates through analog/digital means
- Pump efficiency
- Throttling losses
- Leakage detection
- Ultrasonic bearing testing of pumps.
- Pipeline condition assessment

C. Equipment Condition Diagnosis

- Motor bearing ultrasonic analysis
- Thermography of Panels breakers motors etc.

7.3 Finding Assessment

- Overall Pumping System Efficiency (OPSE)
- Motor efficiency
- Pump efficiency
- Energy losses
- Overloaded/underloaded motors
- Oversized or mismatched pumps

- Power quality issues
- Actual connected load vs LESCO billed load

7.4 Streetlight System Assessment

- Connected load verification
- Streetlight circuit sampling
- Checking of timers, photocells, panels
- Detection of running hours mismatch
- Number of hours determined across LESCO and WCB reconciling efforts
- Recommendations for:
 - LED retrofits
 - Solar alternatives
 - Automation system improvements

7.5 Office Buildings Assessment

- Lighting & HVAC load analysis
- Wiring & panel health
- Benchmarking efficiency
- Recommendations for:
 - LED lighting
 - Efficient AC usage
 - Automation controls
 - Load management

7.6 Energy Monitoring System Assessment

- Review existing monitoring procedures
- Identify data gaps and weak points
- Recommend enhanced monitoring system
- Propose real-time digital dashboard where feasible

7.7 Recommendations & Optimization Plan

- For each improvement option:
 - Estimated annual savings
 - Capital cost
 - Simple payback period
 - Discounted payback (if required)
 - GHG/CO₂ reduction
 - Prioritization (High/Medium/Low impact)
 - Covering:

- Pump/motor replacements
- PF correction
- Load balancing
- Pipeline modifications
- Streetlight conversion

7.8 Environmental Impact Assessment

- CO₂ emission reduction
- Fuel & electricity savings
- Environmental benefits summary

7.9 Technological & Intelligent Interventions

- Design of IoT-based Smart Monitoring Systems for real-time tracking of voltage, current, and power factor.
- Proposal for AI-driven Predictive Maintenance tools for high-load assets (e.g., Tube wells, Street lights, Disposal Station etc.).
- Automation solutions for street lighting (dimming/scheduling) and HVAC systems.

7.10 Renewable Integration & Retrofitting

- Feasibility for Solar PV integration to offset grid dependency.
- Roadmap for retrofitting obsolete equipment with High-Efficiency alternatives (IE3/IE4 motors, LEDs).

8. DELIVERABLES

Reporting & Deliverables, including:

- Inception Report
- Field Testing & Diagnostic Report
- Preliminary Findings Report
- Draft Energy Audit Report
- Final Energy Audit Report (Hard + Soft copies)
- Presentation to WCB
- Submission of all raw data, test logs, photos, test charts and digital files

9. EVALUATION CRITERIA (DETAILED – QCBS METHOD)

- Evaluation shall be carried out under the Quality and Cost Based Selection (QCBS) procedure as prescribed under PPRA Rules, 2004.
- The total evaluation will consist of:
- Technical Evaluation – 70% Weightage
- Financial Evaluation – 30% Weightage
- Only bidders scoring 70 marks or above in Technical Evaluation shall be considered Technically Qualified.

<u>Criteria</u>	<u>Marks</u>
• Experience of Firm	25
• Methodology & Work Plan	25
• Key Staff Qualifications	20
• Instruments & Equipment	15
• Public Sector Experience	10
• Financial Soundness	5
Total	100
• Minimum Technical Score:	70
• Technical:	70% Weight
• Financial:	30% Weight

Formula:

- Financial Score = (Lowest Bid / Bid of Firm) × 30
- Final Score = (Technical × 0.70) + (Financial × 0.30)

9.1 Technical Evaluation (Total: 100 Marks)

The Technical Evaluation will be based on the following detailed criteria:

A. Experience of Firm – 25 Marks

1. General Experience of Firm – 10 Marks

<u>Experience</u>	<u>Marks</u>
• ≥ 10 years	10
• 7–10 years	7
• 5–7 years	5
• < 5 years	2

2. Relevant Experience in Energy Audits – 10 Marks

(Projects must be supported by clients details and contact numbers)

<u>Similar Assignments</u>	<u>Marks</u>
• ≥ 5 projects	10
• 3–4 projects	7
• 1–2 projects	4

3. Public Sector / Government Experience – 5 Marks

<u>Assignments</u>	<u>Marks</u>
• ≥ 3 public sector audits	5
• 2 public sector audits	3
• 1 public sector audit	1

B. Methodology & Work Plan – 25 Marks

Evaluation will include:

1. Understanding of Scope & ToRs – 10 Marks

- Clear demonstration of understanding of WCB systems
- Identification of key issues and audit needs
- Understanding of pump/motor efficiency, power factor, streetlighting, and building systems

<u>Quality</u>	<u>Marks</u>
• Excellent clarity & tailored approach	10
• Good understanding	7
• Basic understanding	4
• Poor/Generic	0–2

2. Methodology & Technical Approach – 10 Marks

- Description of tools, techniques, formulas
- Audit steps (data collection, testing, measurements, analysis)
- Energy efficiency and optimization method
- Environmental & financial modelling approach

<u>Quality</u>	<u>Marks</u>
• Comprehensive, technically strong	10
• Complete but standard methodology	7
• Partial methodology	4
• Poor methodology	0–2

3. Work Plan & Schedule – 5 Marks

- Logical sequence of activities
- Realistic 45-day timeline
- Manpower assignment chart
- Equipment deployment plan

<u>Quality</u>	<u>Marks</u>
• Excellent, feasible plan	5
• Good plan	3
• Average	2
• Weak/Unclear	0–1

C. Qualification & Experience of Key Staff – 20 Marks

- The firm must provide valid CVs with PEC/NECA certifications where applicable.
- CVs of key personnel, including Certified Energy Auditors (CEA/CEM) and IoT/Automation Engineers.

1. Team Leader / Chief Energy Auditor – 8 Marks

Requirements:

- B.E. Electrical/Mechanical or similar
- Minimum 15 years' energy audit experience
- Experience with development sector will be preferred

<u>Profile</u>	<u>Marks</u>
• Meets all requirements + excellent experience	8
• Meets minimum requirements	5
• Weak experience	2

2. Certified Energy Auditor – 6 Marks

- ISO 50001 / Energy Auditor Certification
- 5 years' relevant experience

<u>Qualification</u>	<u>Marks</u>
• Fully certified & experienced	6
• Partially certified	4
• Limited experience	1–2

3. Field Engineers / Technicians – 6 Marks

- Experience with Fluke analyzers, flow meters, etc.
- At least 5 years' relevant experience

<u>Staff Strength</u>	<u>Marks</u>
• ≥ 3 qualified staff	6
• 2 qualified staff	4
• 1 qualified staff	2

D. Instruments & Equipment – 15 Marks

Points awarded for OWNED or guaranteed availability of:

<u>Instrument</u>	<u>Marks</u>
• Fluke 438/435 Power Analyzer	4
• Ultrasonic Flow Meter	4
• Motor Efficiency Analyzer	3
• Thermal Imager	2
• Ultrasonic Detector	2
Total Marks	15

Proof required:

- Calibration certificates
- Equipment photographs or inventory sheet

E. Public Sector Experience (in Energy Audits) – 10 Marks

(This may overlap with A.3 but is evaluated separately for weightage.)

<u>No. of Government Projects</u>	<u>Marks</u>
• ≥ 4	10
• 2–3	6
• <3	3

F. Financial Soundness – 5 Marks

Based on audited financial statements of last 3 years.

<u>Annual Turnover</u>	<u>Marks</u>
• ≥ PKR 20 million	3
• PKR 10–19 million	2
• Below PKR 10 million	1

G. Minimum Technical Score Required : 70 Marks

Only firms scoring 70 or above shall qualify for financial evaluation.

9.2 Financial Evaluation (Total: 30 Marks)

- The formula required by PPRA shall be used:

- Financial Score = (Lowest Bid / Bid of Firm) × 30
- The lowest evaluated bid gets 30 marks
- Others receive proportionate marks
- Financial proposals must be:
 - Lump sum
 - Inclusive of taxes
 - Without conditions

9.3 Combined Evaluation (QCBS – 70:30)

- Final Score = (Technical Score × 0.70) + (Financial Score × 0.30)
- The firm with the highest combined score will be declared the Highest Ranked Bidder (HRB) and invited for contract award.

10. PAYMENT SCHEDULE

<u>Stage</u>	<u>Deliverable</u>	<u>Payment</u>
1.	Inception Report	10%
2.	Field Testing & Data Collection	25%
3.	Technical Analysis & Preliminary Report	25%
4.	Draft Energy Audit Report	20%
5.	Final Report & Completion	20%
	Total	100%

11. DRAFT CONTRACT AGREEMENT

Agreement for Provision of Energy Audit Services, Walton Cantonment Board (WCB), Lahore.

This Contract Agreement (hereinafter called the “Agreement”) is made on this ____ day of _____, 2026, between:

(1) Walton Cantonment Board, Lahore,

a statutory body established under the Cantonments Act, 1924,
through its Executive Officer,
(Hereinafter referred to as the “Client”),

AND

(2) M/s _____,

a firm duly incorporated under the laws of Pakistan,
having its registered office at _____,
(Hereinafter referred to as the “Consultant”).

The Client and Consultant are hereinafter collectively referred to as the “Parties”.

1. Scope of Services

1.1 The Consultant shall provide Energy Audit Services for WCB installations in accordance with:

- RFP Document issued by WCB,
- Terms of Reference (ToRs),
- Scope of Work (Section 6 of RFP),
- Consultant’s Technical Proposal, and
- Deliverables listed under Section 6.9 of the RFP.

1.2 The Consultant shall perform the Services with professional skill, care, diligence, and expertise acceptable under recognized engineering and energy audit standards.

2. Contract Documents

The following documents shall form and be read as part of this Agreement:

1. This Contract Agreement
2. Request for Proposals (RFP) issued by WCB
3. Instructions to Bidders (ITB)
4. Terms of Reference (ToRs)
5. Scope of Work
6. Consultant’s Technical Proposal

7. Consultant's Financial Proposal
8. Payment Schedule
9. Any Addenda/Clarifications issued by WCB

In the event of conflict, the order of precedence shall be as above.

3. Term of Contract

3.1 The total duration for completion of Services shall be 45 days, commencing from the date of issuance of Commencement Order.

3.2 No extension shall be granted unless formally approved by the Client under PPRA rules.

4. Obligations of the Consultant

The Consultant shall:

- Provide qualified personnel, equipment, and resources as proposed.
- Conduct all field surveys, testing, measurements, analysis, and reporting.
- Submit all deliverables in the format and timelines defined in the RFP.
- Maintain strict confidentiality of Client's information.
- Ensure accuracy and integrity of all data, calculations, and results.
- Perform the assignment independently without subcontracting (unless permitted by WCB in writing).
- Comply with all relevant laws, regulations, and safety requirements.

5. Obligations of the Client (WCB)

WCB shall:

- Provide access to sites, records, and personnel required for the audit.
- Facilitate coordination with operational staff.
- Review and approve deliverables within reasonable time.
- Make payments as per schedule.

6. Contract Price

6.1 The Client shall pay the Auditor a fixed lump-sum amount of PKR _____ (inclusive of all taxes) as per schedule given at clause 8 in this agreement.

7. Taxes and Duties

All applicable taxes shall be deducted at source as per Government rules. Auditor shall be responsible for all taxes, levies, duties, and insurance applicable under the law.

8. Payment Schedule

Payments shall be made based on actual delivery and acceptance of outputs, in accordance with the following milestones:

<u>Stage</u>	<u>Deliverable</u>	<u>Payment</u>
1.	Inception Report	10%
2.	Field Surveys, Testing & Measurements Report	25%
3.	Technical Analysis & Preliminary Audit Report	25%
4.	Draft Energy Audit Report	20%
5.	Final Energy Audit Report & Completion	20%

8.1 Payments shall be released within 30 days of invoice submission after acceptance by the Client.

8.2 Payments shall be made in PKR through crossed cheque/bank transfer only.

8.3 No advance payment shall be made.

9. Performance Guarantee (If Applicable)

The Consultant shall submit a Performance Guarantee equal to 10 % of the Contract Price from a scheduled bank, valid until successful completion of all Services.

10. Liquidated Damages / Penalties

(PPRA Rule 39: Performance of Services)

If the Consultant fails to deliver any part of the Services within the agreed timeline:

- Penalty at 0.05% of the Contract Price per day shall apply, up to a maximum of 10%.
- Client may terminate the Contract and forfeit the Performance Guarantee (if applicable).

11. Confidentiality

The Consultant shall not disclose any proprietary or confidential information relating to the assignment, Client's data, reports, or operations without prior written consent of the Client.

12. Termination of Contract

12.1 By Client

Client may terminate the Contract if:

- Consultant fails to perform obligations,
- Consultant becomes bankrupt,

- Consultant engages in corrupt/fraudulent practices,
- Reports are rejected repeatedly for poor quality,
- Delays exceed permissible limits.

12.2 By Consultant

Consultant may terminate only if:

- Client fails to pay certified invoices for 60 days,
- Client breaches essential obligations.

In both cases, a 30-day written notice is required.

13. Force Majeure

No party shall be liable for failure to perform obligations if caused by events beyond reasonable control (war, natural disaster, epidemic, government restrictions).

Notice must be provided within 7 days of such occurrence.

14. Dispute Resolution

14.1 Any dispute arising out of the Contract shall first be resolved through amicable negotiation.

14.2 In case any dispute arises during the subsistence of the contract, it shall be referred to the President Cantonment Board, who shall be the sole arbitrator and his decision shall be final and binding on both the parties.

14.3 Venue of arbitration shall be Lahore.

15. Governing Law

This Agreement shall be governed by and construed in accordance with the laws of Pakistan and Public Procurement Rules (PPRA) 2004.

16. Notice

All notices shall be in writing and delivered to the addresses stated above or subsequently amended in writing.

17. Entire Agreement

This Agreement constitutes the entire contract between the Parties and supersedes all prior communications.

18. Amendments

No amendment is valid unless in writing and signed by both Parties.

Authorized Signatures

AUDITOR

Member
Cantonment Board

1. _____
Witness

President/ Vice President
Cantt Board Walton.

2. _____
Witness

COUNTERSIGNED

**CANTONMENT EXECUTIVE OFFICER
WALTON CANTONMENT LAHORE**

DETAIL OF TUBE WELLS IN WALTON CANTT AREA

Ward No.01

Sr. No.	Location	Status
1.	Cavalry ground Rose & Jasmine Park Masood Anwari road	Functional
2.	Shami road near check post	Functional
3.	Sultan Park near Disposal	Functional
4.	Khalid Masjid Park Cavalry ground	Functional
5.	St No.4 CB shop Cavalry ground near Best Buy Store	Functional
6.	St No.04 near Bungalow No.148 Cavalry ground	Functional
7.	Rehmania Masjid Zaman Colony	Functional
8.	Gulbahar Colony St No.01	Functional
9.	Abid road Islam Nagar Walton road	Functional
10.	Sheraz Villas Walton road (Lahori Sweet)	Functional
11.	Jinnah Flyover Gulbahar Colony	Functional
12.	Best Buy Store near police choki	Functional

Askari-V

Sr. No.	Location	Status
1.	Askari-V Kalma Chowk main gate	Functional
2.	Askari-V Villas Masjid road	Functional
3.	Block-13 Askari-V Kalma Chowk	Functional
4.	Askari-V Dhobi ghat Kalma chowk	Functional

Ward No.02

Sr. No.	Location	Status
1.	Dispensary road R.A Bazar	Functional
2.	Staff Colony R.A Bazar	Functional
3.	R.A Bazar near old football ground Ahmed Bukhsh road	Functional
4.	Nishat Park	Functional
5.	Imam Bargah Nishat Colony	Functional
6.	Askari-VIII	Functional
7.	Science Degree College	Functional
8.	Mariyum Colony near Block-D Gala DHA	Not Functional due to Bore damaged
9.	Nishat Colony Block-F	Functional
10.	Check Post Bedian road near Gora graveyard	Functional
11.	Qazi road Nishat Colony	Functional

12.	Block-J Mariyam Colony	Functional
13.	Ayesha Masjid Nishat Colony	Functional

Ward No.03

Sr. No.	Location	Status
1.	Keer Khurd near Darbar	Functional
2.	Ali View Garden Ph-I near Gourmet Bakery	Functional
3.	Keer Khurd graveyard	Functional
4.	Madrassa Hassan Mehtab Charrar Village	Functional
5.	Charrar village near Rescue 1122	Not Functional due to Bore damaged
6.	Askari-III Bedian road	Functional
7.	Suba chaki wali gali block-J park Charrar Village (New)	Functional
8.	Karam Ali shah road Keer Khurd (New)	Functional

Ward No.04

Sr. No.	Location	Status
1.	Ali View Garden Ph-III	Functional
2.	Shah Khawar town	Functional
3.	Bhatta Chowk near Cantt View School	Functional
4.	Al-Falah town near Park	Functional
5.	Imran Park Bedian road	Functional
6.	Manawala village	Functional
7.	Al-Falah town near Madrassa	Functional

Ward No.05

Sr. No.	Location	Status
1.	St No.15 Punjab Society	Functional
2.	Defence Fort link road Punjab Society	Functional
3.	Punjab Co-Operative housing scheme	Functional
4.	Sadaat town main road	Functional

Ward No.06

Sr. No.	Location	Status
1.	Dera Riaz Shah (i)	Functional
2.	Eid Gah Amersidhu	Functional
3.	Dera Baba Riaz Shah Amersidhu (ii)	Functional
4.	Gulistan Colony graveyard Bodhi wala	Functional

5.	Shahid Town	Functional
6.	Khayaban e Iqbal Waheed Park	Functional
7.	Dera Bhulleh Shah Amersidhu	Functional

Ward No.07

Sr. No.	Location	Status
1.	Shaukat town graveyard (Christian)	Functional
2.	Shaukat town Dispensary	Functional
3.	Javed Colony (New tube well)	Functional
4.	Gulistan Colony Ferozepur road	Functional
5.	Sapan wala Bazar Ferozepur road	Functional
6.	Firdous Park Ferozepur road near Disposal	Functional
7.	Khaira Distributor Ferozepur road	Functional
8.	Yaseen town link Ghazi road	Functional

Ward No.08

Sr. No.	Location	Status
1.	Peer Colony St No.03, near Disposal Walton road	Functional
2.	Farooq Colony near Zainab Masjid	Functional
3.	St No.09, Al-Noor Town	Functional
4.	Model Colony No.02, near DHA Boundary	Functional
5.	Model colony No.01, near girls primary school	Functional
6.	Al-Noor town near Disposal	Functional
7.	Catholic church street Model Colony	Functional
8.	Farooq Colony Opposite Beacon House Main Walton	Functional
9.	St No.07 Peer Colony near Bata shoes Walton road	Functional
10.	Model Colony near Graveyard	Functional
11.	Bilal Colony Al-Noor town.	Functional

Ward No.09

Sr. No.	Location	Status
1.	Check post Walton road	Functional
2.	Defence chowk in front of Gourmet Bakery Walton road	Functional
3.	Qadri colony main Walton road	Functional
4.	Super town Qasaiyan wali gali Kourey pind	Not Functional due bore issue
5.	Nakai House Riffle range road Iqbal Park	Functional
6.	Iqbal Park Lodhi street	Functional
7.	Kourey village Aslam Niazi wala	Functional
8.	Qadri colony St No.02	Functional

9.	Shah Taj Colony	Functional
10.	Kourey Village near Saith Abid flat	Functional
11.	Ghazni lane new Super town	Functional
12.	Riffle range road near Dhairy Peer Darbar	Functional
13.	Peer Colony St No.03 near overhead water tank	Functional
14.	St No.04 Iqbal Park	Functional

Ward No.10

Sr. No.	Location	Status
1.	St No.13 Madina Colony near Mian chowk	Functional
2.	Academy road near Railway line	Functional
3.	Shaheen colony Walton road	Functional
4.	Rehmat chowk Madina Colony	Functional
5.	Near 27 No Stop Walton road near Imran Mobile	Functional
6.	Qainchi Amersidhu	Functional
7.	St No.13 Madina colony (New)	Functional

ANNEXURE-B

DETAIL OF FILTRATION PLANTS IN WALTON CANTT AREA

Ward No.01

SR. NO.	LOCATION	REMARKS
1.	St No.04, near Best Buy store	Functional
2.	St No.06, Gulbahar colony	Functional
3.	Rehmania Masjid Zaman Colony	Functional
4.	St No.45 Askari-V	Functional
5.	St No.09, Askari-V	Functional
6.	Askari-V Kalma Chowk near Masjid	Functional
7.	7up Bridge Cavalry ground	Functional
8.	Sultan Park near Cantonment Quarters.	Functional

Ward No.02

SR. NO.	LOCATION	REMARKS
1.	R.A Bazar Children Park	Functional
2.	Staff Colony R.A Bazar	Functional
3.	Ahmed Bukhsh road near Office	Functional
4.	Askari-VIII Nishat	Functional
5.	Faisal Ghuman road near Science degree college	Functional
6.	Mariyam Colony	Functional
7.	Qazi road near DHA Boundary wall	Functional
8.	Block-F Nishat Colony	Functional
9.	Rabbani road Nishat Colony	Functional
10.	Nishat Park.	Functional

Ward No.03

SR. NO.	LOCATION	REMARKS
1.	Keer Village near Darbar	Functional
2.	MP Check Post Bedian road	Functional
3.	Ali View Garden Ph-I	Functional
4.	Askari-III Bedian road	Functional
5.	Jamia tul Madina Hassan Mehtab Masjid Charrar village near Z-Block Defence.	Functional
6.	Charrar Village near Rescue (1122) Office	Functional

Ward No.04

SR. NO.	LOCATION	REMARKS
1.	Ali View Garden Ph-III	Functional
2.	Chung Khurd	Functional
3.	Cantt View Scheme	Functional
4.	Al-Falah town near Park	Functional
5.	Manawala	Functional
6.	Al-Amin Society	Functional
7.	Al-Falah town near Madrassa	Not Functional
8.	Rehman Villas	Functional
9.	Govt. girls elementary School Chung Khurd.	Functional
10.	Imran Park Bedian road	Functional

Ward No.05

SR. NO.	LOCATION	REMARKS
1.	Deffence Fort	Functional
2.	Punjab Housing Society	Functional
3.	Sadaat town	Functional

Ward No.06

SR. NO.	LOCATION	REMARKS
1.	Khayaban e Iqbal Waheed Park	Functional
2.	Eidgah Amersidhu road	Functional
3.	Bulleh Shah	Functional
4.	Dera Riaz Shah	Functional
5.	Bodi wala Qabristan	Functional
6.	Main road Qainchi near Allied School Ferozepur road.	Functional

Ward No.07

SR. NO.	LOCATION	REMARKS
1.	Shaukat town near Dispensary	Functional
2.	Firdous Park	Functional
3.	Yasin town	Functional
4.	Chungi Amersidhu Sapan wala bazar Ghazi road near UBL Bank.	Functional
5.	Bara graveyard bandia wala pul Gulistan colony No.02, Ferozepur road Chungi Amersidhu.	Functional

Ward No.08

SR. NO.	LOCATION	REMARKS
1.	St No.09, Al-Noor town	Functional
2.	Graveyard Model Colony	Functional
3.	Farooq Colony Family Park	Functional

Ward No.09

SR. NO.	LOCATION	REMARKS
1.	Iqbal Park	Functional
2.	Ghazni Lane New Super town	Functional

Ward No.10

SR. NO.	LOCATION	REMARKS
1.	St No.13, Madina Colony	Functional
2.	Madina Colony Railway line	Functional
3.	Hazrat Rabia Basri college for girls Walton road.	Functional
4.	Govt. Khawaja Rafique Shaheed college for boys Walton road.	Functional

ANNEXURE-C

DISPOSAL STATIONS DETAIL

S. NO.	LOCATION	PUMP INSTALLED (HP)	CAPACITY (CUSEC)
1.	Sultan Park	3 x 60 1 x 5	18
2.	Nishat Colony Gora Graveyard	1 x 40 2 x 60 2 x 100	22
3.	Askari -III Bedian Road	1 x 10	01
4.	Nishat Colony Eid Gah	2 x 30	06
5.	Askari -VIII	1 x 30	03
6.	Shamsa Bakery Rifle Range Road Opp Adil Hospital	1 x 20	02
7.	Khayaban-e-Iqbal DHA	1 x 30	03
8.	Askari-V	2 x 30	06
9.	Main Amer Sidhu Road	1 x 30	03
10.	Ghazi Road	2 x 60	12
11.	Mast Iqbal Road	1 x 50 1 x 60	11
12.	Defence Fort Ghazi Road	1 x 60 1 x 30	10
13.	Pull Bandiyan Wala	1 x 30	04
14.	Al Falah Town	2 x 60 1 x 40	16
15.	Shah Khawar Town	1 x 30	03
16.	Cantt View	1 x 30	03
17.	Faisal Ghumman Road (on generator supply)	3x20	09
18.	Disposal 1 Opposite Dolphin HQ	3 x 120	36
19.	Disposal 2 qinchi Amer Sidhu Chowk	5 x 120	60

DETAIL OF STREET LIGHT POINTS

STREET LIGHT POINTS CANTT:		
Sr. No	Description	Quantity
1.	LED lights 180-w	158 Nos
2.	LED lights 120-w	897 Nos
3.	Sodium light 250-w	871 Nos
4.	Energy saver light 42-w	8620 Nos
STREET LIGHT POINTS DHA:		
1.	LED lights 180-w	420 Nos
2.	LED lights 120-w	1800 Nos
3.	Sodium lights 250-w	3680 Nos
Total		16446 Nos

NOTE: Above numbers can vary at ground. Bidder has to consider all the street lights under AOR of WCB

DETAIL OF CB BUILDINGS

Sr. No	Description
1.	WCB Office Building at Ahmed Bukhsh Road R.A Bazar
2.	CB Model School at Ahmed Bukhsh Road R.A Bazar
3.	CB Medical Center at R.A Bazar
4.	Dispensary at Peer Colony
5.	Dispensary at Shoukat Town
6.	Water Testing Lab at Ahmed Bukhsh Road R.A Bazar
7.	Rest House at Cavalry Ground near Khalid Masjid
8.	Rest House at Bagh Ali Road

TECHNICAL PROPOSAL SUBMISSION FORM

(To be printed on bidder's letterhead)

Date: _____

To,

Cantonment Executive Officer,
Walton Cantonment Board Lahore.

Subject: **SUBMISSION OF TECHNICAL PROPOSAL – ENERGY AUDIT SERVICES**

Dear Sir,

We, the undersigned, hereby submit our Technical Proposal for the “Hiring of Energy Auditor for WCB Installations,” in accordance with the RFP.

We certify that:

1. All information provided is true and correct.
2. We meet all eligibility criteria.
3. We accept all terms, conditions, and evaluation criteria of the RFP.
4. We understand that the Client is not bound to accept any proposal.

Authorized Signatory: _____

Name: _____

Designation: _____

Stamp & Signature: _____

FINANCIAL PROPOSAL SUBMISSION FORM

(To be printed on bidder's letterhead – sealed separately)

Date: _____

To,

Cantonment Executive Officer
Walton Cantonment Board Lahore

Subject: **FINANCIAL PROPOSAL – ENERGY AUDIT SERVICES**

Dear Sir,

Having read and understood the RFP, we hereby submit our Lump Sum Financial

Proposal:

<u>Sr. #</u>	<u>Description</u>	<u>Amount (PKR)</u>
1.	Total Cost of Energy Audit Services (including All Taxes)	_____

Amount In words: _____

Proposal Validity: 90 days

Authorized Signatory: _____

Name: _____

Designation: _____

Stamp & Signature: _____

AFFIDAVIT OF NON-BLACKLISTING

(On Stamp Paper, Notarized)

We, M/s _____, hereby declare that we have never been blacklisted by any Government / Semi-Government / Autonomous / Private organization.

- Have no pending litigations that may affect our performance
- Will immediately inform WCB if any such situation arises

Authorized Signatory: _____

Name: _____

CNIC: _____

Stamp & Signature: _____

FIRM PROFILE FORM

<u>Sr. #</u>	<u>Description</u>	<u>Details</u>
1.	Name of Firm	
2.	Address	
3.	Contact Number	
4.	Email	
6.	NTN / PRA	
8.	Year of Establishment	
9.	Nature of Business	
10.	Total Employees	
11.	Key Areas of Expertise	
12.	Attach company profile separately if required.	

CURRICULUM VITAE (CV) FORMAT

1. Name:
2. Designation:
3. CNIC:
4. Education:
5. Certifications: (Energy Audit, ISO, etc.)
6. Total Experience:
7. Relevant Project Experience:
8. Skills & Expertise:
9. Organization:
10. Signature:

Attach supporting documents where necessary.

SIMILAR ASSIGNMENTS COMPLETED

Sr. #	Name of Project	Client	Year	Scope of Work	Client Contact Details
1.					
2.					
3.					

Attach copies of Work Orders / Completion Certificates.

LIST OF EQUIPMENT / INSTRUMENTS

Sr. #	Equipment	Model	Quantity
1.	Fluke 438/435 Power Analyzer		
2.	Ultrasonic Flow Meter		
3.	Motor Diagnostic Analyzer		
4.	Power Quality Analyzer		
5.	Clamp Meters / Multimeters		
6.	Thermal / Ultrasonic Detector		

COMPLIANCE CHECKLIST

Stage	Requirement	Compliance (Yes/No)	Page No.
1.	NTN / PRA Certificate		
2.	Energy Audit Certification		
3.	5 Years' Experience		
4.	Lead Auditor ISO 50001		
5.	CVs of Key Staff		
6.	Instruments List		
7.	Non-Blacklisting Affidavit		
8.	Work Plan		
9.	Methodology		

BID SECURING DECLARATION

(On Stamp Paper)

We, M/s _____, hereby declare that:

- We understand that, under PPRA Rules, bids must be secured.
- We accept that our bid may be rejected and we may be blacklisted if:
 - a) We withdraw our bid after opening;
 - b) We fail to sign the contract;
 - c) We fail to provide required documents.

Authorized Signatory: _____

Stamp & Signature: _____