FICOX
POWER AND INFRASTRUCTURE FIRM
Engineering Excellence | Sustainable Infrastructure

Pioneer of India's 1st Integrated Multi-Disciplinary Single-Window Audit System

Dr. Chandan Kumar Sah
Ph.D. (EEE) | M.E. (Power Systems) | Multi-M.Sc.

Principal Power & Infrastructure Specialist.
Chief Multi-Disciplinary Systems Auditor.
Registered Professional Engineer (ECI, Bharat)

Ref. No.: FXPAI/Integrated Audits – Form Date:

CLIENT REQUIREMENT, SITE ASSESSMENT & INTEGRATED ACTION PLAN

Electrical Architecture Engineering | Fire Safety | Industrial Safety | Energy | Environment | Vastu/Vedic & Architectural Spatial Assessment | Integrated Infrastructure

AUDIT REGISTRATION	DETAILS
Integrated Audit Reference No.	_____
Date	____ / ____ / _____
Client / Organization	_____
Project / Property Name	_____
Project Location	_____
Client Contact Person	_____
Mobile / Email	_____
Integrated Auditor Engineer	_____

PART–A | CLIENT & PROJECT BASIC INFORMATION

S.No.	Particular	Client Information
1	Client / Organization Name	
2	Project / Property Name	
3	Project Type	☐Residential ☐Commercial ☐Industrial ☐Institutional ☐Government/Public Sector ☐Other
4	Project Status	☐New ☐Existing ☐Renovation ☐Expansion
5	Plot / Site Area	
6	Built-up Area	
7	Number of Floors	
8	Year of Construction	
9	Construction Stage	☐Planning ☐Construction ☐Finishing ☐Completed ☐ Renovation
10	Occupancy	☐Owner ☐Tenant ☐Mixed
11	Approx. Occupants / Users	
12	Previous Audit Conducted	☐Yes ☐No
13	Approved Building Plan Available	☐Yes ☐No
14	Electrical Architecture Engineering Documentation Available	☐Yes ☐No
15	Fire Safety Documentation Available	☐Yes ☐No
16	Renewable Energy System	☐Yes ☐No ☐Proposed
17	EV Charging Infrastructure	☐Existing ☐Proposed ☐No
18	Major Existing Problem / Concern	
19	Proposed Development / Expansion	
20	Other Important Information	

PART–B | CLIENT REQUIREMENT SELECTION

7-IN-1 AUDIT / SERVICE	REQUIRED ✓	PRIORITY
1. Electrical Architecture Engineering & Power Audit	☐	☐High ☐Medium ☐Normal
2. Fire Safety & Management Audit	☐	☐High ☐Medium ☐Normal
3. Industrial / Workplace Safety Audit	☐	☐High ☐Medium ☐Normal
4. Energy Audit & Energy Management	☐	☐High ☐Medium ☐Normal
5. Environmental / Pollution Control Audit	☐	☐High ☐Medium ☐Normal
6. Vastu / Vedic & Architectural Spatial Audit	☐	☐High ☐Medium ☐Normal
7. Integrated Infrastructure / Project Audit	☐	☐High ☐Medium ☐Normal

Additional Requirements:

☐Electrical Architecture Engineering Planning

☐Electrical Architecture Engineering Design

☐Electrical Architecture Engineering System Planning

☐Load Assessment ☐Power Distribution Planning

☐Electrical Safety Improvement

☐Solar / Renewable Energy Planning

☐EV Charging Infrastructure Planning

☐Fire Safety Improvement

☐Energy Saving / Optimization

☐Green Building / Sustainable Infrastructure

☐Smart Building / IoT Planning

☐Environmental Improvement

☐Vastu- Vedic / Spatial Assessment

☐Interior & Functional Space Coordination

☐Renovation / Retrofit Planning

☐Integrated Project Planning

☐Project Management / PMC

☐Other: _____

PART–C | PRIMARY MUKHIYA / PRIMARY DECISION MAKER

Applicable mainly to residential/family-oriented Vastu/Vedic & Architectural Spatial Assessment.

Particular	Details
Name	
Relationship / Role	
Date of Birth	___ / ___ / _____
Birth Time	_____
Birth Place	
Profession / Occupation	
Organization / Business	
Major Responsibility	
Contact Number	
Email	
Specific Concern / Objective	
Additional Notes	

☐I voluntarily provide the above personal information for the requested Vastu/Vedic & Architectural Spatial Assessment.

PART–D | SECONDARY MUKHIYA / SECOND DECISION MAKER

Particular	Details
Name	
Relationship / Role	
Date of Birth	___ / ___ / _____
Birth Time	_____
Birth Place	
Profession / Occupation	
Organization / Business	
Major Responsibility	
Contact Number	
Email	
Specific Concern / Objective	
Additional Notes	

☐I voluntarily provide the above personal information for the requested Vastu/Vedic & Architectural Spatial Assessment.

PART–E | FAMILY / OCCUPANT DETAILS

S.No.	Name	Relationship	DOB	Profession / Occupation	Major Concern / Notes
1					
2					
3					
4					
5					
6					
7					
8					

For public-sector, commercial or industrial audits: ☐Not Applicable

PART–F | AUDIT–1 | ELECTRICAL ARCHITECTURE ENGINEERING & POWER AUDIT

A. Electrical Architecture Engineering Assessment

Check Point	✓ Suitable	✗ Concern	N/A	Observation / Remarks
Electrical load assessment	☐	☐	☐	
Connected load verification	☐	☐	☐	
Power distribution planning	☐	☐	☐	
Main electrical system	☐	☐	☐	
Main panel	☐	☐	☐	
Distribution panels	☐	☐	☐	
Cable selection / condition	☐	☐	☐	
Cable routing	☐	☐	☐	
Electrical equipment location	☐	☐	☐	
Electrical room planning	☐	☐	☐	
Lighting system	☐	☐	☐	
Power-point planning	☐	☐	☐	
Earthing system	☐	☐	☐	
Lightning protection	☐	☐	☐	
MCB / MCCB / Protection	☐	☐	☐	
RCCB / RCBO protection	☐	☐	☐	
Surge protection	☐	☐	☐	
Transformer / HT-LT system	☐	☐	☐	
DG system	☐	☐	☐	
Power factor	☐	☐	☐	
Thermal condition / hotspot assessment	☐	☐	☐	
Electrical maintenance accessibility	☐	☐	☐	
Future expansion provision	☐	☐	☐	

B. Electrical Architecture Engineering Documentation

Document / Requirement	Available ✓	Not Available ✗	Required	Remarks
Electrical Architecture Engineering Plan	☐	☐	☐	
Electrical Architecture Engineering Layout	☐	☐	☐	
Single Line Diagram	☐	☐	☐	
Load Schedule	☐	☐	☐	
Panel Schedule	☐	☐	☐	
Cable Schedule	☐	☐	☐	
Earthing documentation	☐	☐	☐	
Lightning Protection documentation	☐	☐	☐	
Electrical Test Reports	☐	☐	☐	
Maintenance Records	☐	☐	☐	

Integrated Auditor Engineer Finding | Observation: _____

Risk Level: ☐Critical ☐High ☐Medium ☐Low

Recommended Action: _____

Photo Reference: _____

PART–G | AUDIT–2 | FIRE SAFETY & MANAGEMENT AUDIT

Check Point	✓	✗	N/A	Observation
Fire alarm system	☐	☐	☐	
Smoke / heat detection	☐	☐	☐	
Manual call point	☐	☐	☐	
Fire extinguishers	☐	☐	☐	
Hydrant system	☐	☐	☐	
Fire pump	☐	☐	☐	
Emergency lighting	☐	☐	☐	
Exit signage	☐	☐	☐	
Emergency exits	☐	☐	☐	
Fire-rated provisions	☐	☐	☐	
Fire shaft / service shaft	☐	☐	☐	
Evacuation arrangement	☐	☐	☐	
Emergency preparedness	☐	☐	☐	
Fire safety documentation	☐	☐	☐	
Fire safety training	☐	☐	☐	

Overall Fire Risk: ☐Critical ☐High ☐Medium ☐Low

Major Observation: _____

Recommended Corrective Action: _____

PART–H | AUDIT–3 | INDUSTRIAL / WORKPLACE SAFETY AUDIT

Safety Area	✓ Suitable	✗ Concern	N/A	Notes
Electrical safety	☐	☐	☐	
Machinery safety	☐	☐	☐	
PPE availability	☐	☐	☐	
PPE usage	☐	☐	☐	
Emergency procedures	☐	☐	☐	
Lockout / Tagout	☐	☐	☐	
Work-at-height safety	☐	☐	☐	
Housekeeping	☐	☐	☐	
Safety signage	☐	☐	☐	
First-aid facility	☐	☐	☐	
Emergency preparedness	☐	☐	☐	
Worker training	☐	☐	☐	
Accident records	☐	☐	☐	
Safety inspection records	☐	☐	☐	

Overall Workplace Safety Risk: ☐Critical ☐High ☐Medium ☐Low

Major Finding: _____

PART–I | AUDIT–4 | ENERGY AUDIT & ENERGY MANAGEMENT

Parameter	Required	Available	Reading / Finding
Electricity bills	☐	☐	
Connected load	☐	☐	
Maximum demand	☐	☐	
Power factor	☐	☐	
Lighting consumption	☐	☐	
HVAC consumption	☐	☐	
Motor consumption	☐	☐	
Transformer losses	☐	☐	
DG fuel consumption	☐	☐	
Solar potential	☐	☐	
Energy monitoring	☐	☐	
Energy-saving opportunity	☐	☐	

Energy Improvement Plan

Major Energy Loss / Concern: _____

Potential Energy Saving: _____

Recommended Energy Measure:

_____

Priority: ☐

Immediate

☐High

☐Medium

☐Future

PART–J | AUDIT–5 | ENVIRONMENTAL / POLLUTION CONTROL AUDIT

Environmental Parameter	✓	✗	N/A	Remarks
Solid waste management	☐	☐	☐	
E-waste management	☐	☐	☐	
Hazardous waste management	☐	☐	☐	
Noise concern	☐	☐	☐	
Air quality concern	☐	☐	☐	
Water management	☐	☐	☐	
Wastewater / sewage	☐	☐	☐	
Resource efficiency	☐	☐	☐	
Green area	☐	☐	☐	
Environmental documentation	☐	☐	☐	
Pollution-control measures	☐	☐	☐	
Environmental improvement opportunity	☐	☐	☐	

Environmental Risk:

☐Critical

☐High

☐Medium

☐Low

Major Finding: _____

Recommended Action: _____

PART–K | AUDIT–6 | VASTU / VEDIC & ARCHITECTURAL SPATIAL AUDIT

A. Property & Architectural Information

Particular	Details
Property Type	☐Residential ☐Commercial ☐Office ☐Industrial ☐Institutional
Plot Shape	☐Regular ☐Irregular
Plot Orientation	
Main Road Direction	
Main Entrance Direction	
Building Facing	
Number of Floors	
Construction Year	
Renovation Planned	☐Yes ☐No
Major Spatial Concern	

Notes : from Client sides.

B. Spatial & Architectural Assessment

Parameter	✓ Suitable	∆ Review	✗ Concern	Notes
Plot geometry	☐	☐	☐	
Main entrance	☐	☐	☐	
Functional zoning	☐	☐	☐	
Room positioning	☐	☐	☐	
Kitchen location	☐	☐	☐	
Bedroom planning	☐	☐	☐	
Staircase position	☐	☐	☐	
Toilet / bathroom zoning	☐	☐	☐	
Natural light	☐	☐	☐	
Natural ventilation	☐	☐	☐	
Open-space distribution	☐	☐	☐	
Water-related planning	☐	☐	☐	
Electrical equipment location	☐	☐	☐	
Functional circulation	☐	☐	☐	
Maintenance accessibility	☐	☐	☐	
Interior / functional space coordination	☐	☐	☐	

PART–K (CONT.) | VASTU / VEDIC & ARCHITECTURAL SPATIAL AUDIT C. Family / User Context

Particular	Details
Primary Mukhiya	
Secondary Mukhiya	
Profession / Lifestyle Context	
Family Requirements	
Major Concern	
Client's Stated Objective	☐Health & Comfort ☐Family Environment ☐Education / Study Environment ☐Work / Business Environment ☐Space Utilization ☐Renovation ☐Functional Improvement ☐Other

D. Indian Traditional Knowledge / Vedic Spatial Awareness

Possible areas of assessment:

☐Orientation

☐Spatial zoning

☐Traditional planning principles

☐Functional use of space

☐Natural light awareness

☐Natural ventilation awareness

☐Environmental/climatic considerations

☐Traditional Indian spatial knowledge

☐Other: _____

Professional Disclaimer

Vastu/Vedic assessment is provided as a traditional and spatial-planning perspective. It does not replace structural engineering, Electrical Architecture Engineering, fire safety requirements, environmental compliance, building regulations, statutory approvals or other applicable technical requirements.

PART–L | AUDIT–7 | INTEGRATED INFRASTRUCTURE & PROJECT AUDIT

Integration Area	✓ Suitable	✗ Concern	N/A	Observation
Architecture ↔ Electrical Architecture Engineering	☐	☐	☐	
Civil / Structural ↔ Electrical Architecture Engineering	☐	☐	☐	
Electrical Architecture Engineering ↔ Fire Safety	☐	☐	☐	
Electrical Architecture Engineering ↔ HVAC	☐	☐	☐	
Electrical Architecture Engineering ↔ Solar	☐	☐	☐	
Electrical Architecture Engineering ↔ EV Infrastructure	☐	☐	☐	
Electrical Architecture Engineering ↔ Interior	☐	☐	☐	
Fire Safety ↔ Architecture	☐	☐	☐	
Energy ↔ Building Planning	☐	☐	☐	
Environment ↔ Infrastructure	☐	☐	☐	
Smart Building Integration	☐	☐	☐	
Renewable Energy Integration	☐	☐	☐	
Future Expansion Provision	☐	☐	☐	
Maintenance Accessibility	☐	☐	☐	

Integrated Project Observation:

_____

_____

PART–M | DOCUMENT VERIFICATION

Document / Record	Available ✓	Not Available ✗	Required	Remarks
Approved Building Plan	☐	☐	☐	
Architectural Plan	☐	☐	☐	
Structural Documentation	☐	☐	☐	
Electrical Architecture Engineering Plan	☐	☐	☐	
Electrical Architecture Engineering Layout	☐	☐	☐	
Single Line Diagram	☐	☐	☐	
Load Calculation	☐	☐	☐	
Electrical Test Reports	☐	☐	☐	
Earthing Test Report	☐	☐	☐	
Fire Safety Documentation	☐	☐	☐	
Fire NOC / Applicable Approval	☐	☐	☐	
Energy Bills / Records	☐	☐	☐	
Environmental Documents	☐	☐	☐	
Solar Documents	☐	☐	☐	
EV Infrastructure Documents	☐	☐	☐	
Maintenance Records	☐	☐	☐	
Previous Audit Report	☐	☐	☐	

PART–N | CLIENT'S TOP 5 REQUIREMENTS / CONCERNS

1. _____
2. _____
3. _____
4. _____
5. _____

PART–O | INTEGRATED AUDITOR'S INTEGRATED RISK ASSESSMENT

Overall Project Risk:

☐CRITICAL
☐HIGH
☐MEDIUM
☐LOW

Priority	Meaning
P1	Immediate / Critical Safety or Operational Concern
P2	High-Priority Corrective Action
P3	Improvement Recommended
P4	Future Planning / Optimization

PART–P | INTEGRATED CORRECTIVE ACTION PLAN

S.No.	Audit Area	Finding / Observation	Risk	Recommended Solution	Priority	Target Date	Status
1					P1/P2/P3/P4		
2					P1/P2/P3/P4		
3					P1/P2/P3/P4		
4					P1/P2/P3/P4		
5					P1/P2/P3/P4		
6					P1/P2/P3/P4		
7					P1/P2/P3/P4		
8					P1/P2/P3/P4		

PART–Q | FINAL INTEGRATED AUDIT SUMMARY

1. Electrical Architecture Engineering

Key Finding: _____

Recommended Action: _____

2. Fire Safety & Management

Key Finding: _____

Recommended Action: _____

3. Industrial / Workplace Safety

Key Finding: _____

Recommended Action: _____

4. Energy

Key Finding: _____

Recommended Action: _____

5. Environment / Pollution Control

Key Finding: _____
Recommended Action:

_____

6. Vastu / Vedic & Architectural Spatial Assessment

Key Finding: _____

Recommended Action: _____

7. Integrated Infrastructure / Project

Key Finding: _____

Recommended Action: _____

PART–R | FINAL RECOMMENDATION

Overall Assessment: ☐Immediate Corrective Action Required ☐Detailed Technical Investigation Required ☐ High-Priority Improvement

Recommended ☐Routine Improvement / Monitoring Recommended ☐No Major Observation
Within Current Audit Scope Auditor's Overall Remarks

_____

_____

_____

PART–S | CLIENT ACKNOWLEDGEMENT

I/We confirm that the information and documents provided for the assessment are, to the best of my/our knowledge, correct and have been voluntarily provided for the requested audit/assessment.

Client / Authorized Representative	
Name	
Designation	
Signature	
Date	___ / ___ / _____

PART–T | INTERGRATED AUDITOR ENGINEER / FICOX RECORD

Integrated Auditor Engineer
Name: Dr. Chandan Kumar Sah,
Ph.D. (EEE) |M.E Power System
Multi-M.sc (Green Buildings | Vastu –Vedic Science)
B.Sc (Interior Design) |Multi-PG Diploma

Professional Designation:

- Principal Multi-Disciplinary Power & Infrastructure Specialist
- Chief Multi-Disciplinary Systems Auditor
  Registered Professional Engineer (ECI, Bharat)

FICOX 7-IN-1 INTEGRATED AUDIT — CORE WORKFLOW

CLIENT REQUIREMENT → DATA & DOCUMENT COLLECTION → SITE / PROJECT ASSESSMENT → 7SPECIALIZED AUDIT MODULES → CROSS-DISCIPLINARY ANALYSIS → RISK & PRIORITY CLASSIFICATION → RECOMMENDED SOLUTIONS → INTEGRATED ACTION PLAN → FINAL AUDIT REPORT

IDENTIFY → AUDIT → ANALYSE → INTEGRATE → SOLVE → IMPLEMENT → MONITOR

REGISTRATION & INITIAL ASSESSMENT FEE: ₹2,100/- (Rupees Two Thousand One Hundred Only)

This fee covers registration and preliminary assessment only. The final professional/service charges, if applicable, will be communicated separately after assessment, based on the scope of work, project requirements, site conditions, complexity, and services selected by the client.

Note: Please take a printout of the form, complete all required primary information from the client's side, and send the scanned completed form along with the ₹2,100/- Registration & Initial Assessment Fee receipt through Email or WhatsApp / Signal for further processing.

Office Address: [HVS Complex Gamitola Katihar , Purnia Division , Bihar State – Bharat , Pin code: 854105]
Contact: +91 9942375651 **Email:** [Ficox.ee@proton.me] Website: Ficox.in
Services: Power Infrastructure | Integrated Safety Audits | Environmental & Spatial Consulting