

Assurance Quality Certification LLC	F19EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 1 Energy Audit Report	

Name of the Organization	Maharaja Srischandra College	
Address	20, Ramkanto Bose St, Bidhan Sarani, Kolkata, West Bengal, India	
Site Address (If any)		
No. of Employees	Teaching = 30, Non-teaching = 18, House-keeping =2, Security =1, Electrician=1, Total = 66	
No. Of Shift	1	
E mail id	info@msccollege.ac.in ,	
Contact Person	Sunanda Ray	
Telephone/Fax	_033 2533 5133	
Scope	Teaching, Learning and Evaluation processes relating to awarding of B.COM, B.A AND B,SC as well as general learning considering Environment friendly and Energy efficiency manner in College Green Campus''	
Technical Area	Teaching, Learning and Evaluation, Capacity Building, Skill Enhancement, Institutional Social Responsibility	
Audit Team	Lead Auditor: Amalesh Kr. Mandal Auditor: Technical Expert	Audit duration Man day(s): Technical Expert
Starting date of Audit	17.03.2024	
End Date of Audit	17.03.2024	
Brief about the organization	<p>The history of our institution, Maharaja Srischandra College dates back to 1941, when the college was set up in a very busy North Calcutta neighbourhood Shyambazar by Maharaja Srischandra Nandy in memory of his father Maharaja Manindra Chandra Nandy, a renowned philanthropic Zamindar of Cossimbazar. An equally illustrious personality as his father, Maharaja Srischandra greatly contributed to the socio-cultural movement of Bengal in the early 20th century. Some local workers and academicians of the locality in which the college is situated encouraged Maharaja Srischandra to set up a college that would cater to the huge section of students residing in this locality. A proposal was accepted and the college was set up in 1941 by converting an old dilapidated building, which was previously functioning as a charitable dispensary. The building is now known as the common property of three</p>	

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	<p>separate colleges – Maharani Kasiswari College (Morning), Maharaja Manindra Chandra College (Day) and Maharaja Srischandra College (Night). Maharaja Srischandra College as a separate and independent institution emerged in 1964.</p> <p>Our founder Maharaja Srischandra Nandy (1897-1952), was the son of Maharaja Manindra Chandra Nandy and Maharani Kashiswari of Khirgram, Burdwan. He was the last zamindar of the Cossimbazar Raj before the abolition of the zamindari system. He represented the Bengal zamindars in the Fazlul Haque – Shyamaprasad ministry. He entered the Bengal Legislative Assembly from the landlord's quota in 1937, and became a minister in the cabinet of Ak Fazlul Haque (1937-1942). The Maharaja was also a popular figure in the sphere of Fine Arts, Literature, Music, Sports and educational activities. He died in 1952.</p> <p>In the beginning Maharaja Srischandra College offered a Bachelors Degree in Commerce. Gradually due to the demands from students it started offering various subjects from the Humanities stream. In recent years there has been a widening of the scope of our service since hundreds of general students, both male and female, are taking admission in the college.</p> <p>The college is situated at 20 Ramkanto Bose Street, Kolkata 700003 and is very close to the Kolkata city landmark Shyambazar five-point crossing.</p>
Audit Objective	To evaluate the client's documented system, location & site-specific conditions and gather other details through discussions with the client's personnel to determine the organization's readiness for the Stage 2 Audit for Certification

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CHANGE DETAIL

Audit Duration for Stage 1	
Are quoted man-days adequate?	Yes
Any change in employee detail?	None
Any Change in Scope?	None
Any additional Information:	None

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ATTENDENCE SHEET:

NAME OF PERSON	DESIGNATION
<i>Amalesh K.R. Mandal</i>	Lead auditor
Sunanda Ray	Member
Kuntal Mitra	Member
Debasis Mukherjee	Member
Sujatra Bhattacharya	Member
Bijay Rawani	Member
Avijit Chakrabarti	Member

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SUMMARY OF AUDIT

AREA OF IMPROVEMET	
(Areas of Improvement Which May be Identified as Non Conformities During Stage 2 Audit)	
1	Communication/Display of policy
2	Communication/Display of Objectives

Non Conformities Raised




0 Minor/Major Non conformance identified in the Stage 1 audit, details of Non Conformance in F50.

Please respond by using your own corrective action form and include the root cause analysis with systemic corrective action. Failure to include root cause analysis with systemic corrective action will result in your responses being rejected by Lead Auditor

Team Leader Declaration (Tick or cross Each Column as per applicability)	
√	Auditing is based on a sampling process of the available information
√	Audit is combined, joint or integrated;
√	The effectiveness of corrective actions taken regarding previously identified
√	nonconformities has verified
√	Outcomes are effective and complying.
√	The internal audit and management review process are effective and complying with the requirements.
√	The scope of certification is appropriate.
√	The capability of the management system to meet applicable requirements and expected
√	The audit objectives has been fulfilled and achieved.

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RECOMMENDATION	
√	Recommended Proceeding With Stage 2 (within 60 days from this audit date)
×	Recommend not proceeding to stage 2 until audit evidence has been submitted to AQC showing that the concerns raised by the auditor (s) have been rectified. A date for stage 2 will then be agreed.
×	Recommend not proceeding without a further stage 1 Audit due to the severity of the concerns raised by the audit team

Sign Off : Date 17.03.2024	
AQC Report Submission	Client Acceptance for Report
Name of Auditor: Amalesh Kr. Mandal Signature:  Authorization: Empanelled Auditor from IAF accredited Certification Body, Energy Auditor from National Productivity Council, IRCA Accredited Lead Auditor on ISO 50001:2018	Name: Sunanda Ray   Signature: Designation: Principal

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AUDIT CHECKLIST

REQUIREMENTS	COMMENTS	Status C/ NC /O
Is the Information documented as required as per the ISO 50001:2018?	Manual and other documented information available. (Doc. Ref. No. ENMS/L1, dtd. 02.04.2022) and other documented information available.	C
Has the discussion been held with personnel of the Client company for readiness for stage-2?	Yes. Within next month the Stage-2 needs to be completed, discussed and finalized as per discussion with the Principal and IQAC coordinator.	C
Has the Client site specific conditions been evaluated?	Established, implemented and the Scope has been set as per Site specific. (Under clause 4.3 of ENMS/L1 Manual). They are maintaining their Green monitoring report year to year wise to evaluate the environment performance.	C
Has the company identified energy performance indicators, Energy baseline, Energy objectives, energy targets and energy management action plans?	Respective Energy project found taken by Authority. Like "Efficient use of Energy Resources" *Energy source and power consumption captured in Green monitoring report. Data available.	C
Is the client having understanding with the ISO 50001:2018 Standard requirement and other requirement site specific?	Yes. Awareness training has been conducted by an external consultant. 1. Training on Standard given by External body "Management System Consultancy"	C
Is the scope having boundaries and specific to client organization?	Scope defined in Manual and found as per course delivery.	C
If a client has Multisite then level of control is established.	Not applicable	C
Is organization analyze energy used and consumption based on measurement and other data: (Identify current energy sources/evaluate past and present energy use and consumption?	Measurement done on Bill monitoring, list of energy sources are available, significant energy sources identified and included in Green monitoring report for review.	C

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Based on the analysis of energy used and consumption, is the organization identifying the areas of significant energy use.(identify the facilities, equipment, systems, processes and personnel working for, or on behalf of, the organization that significantly affect energy use and consumption?	List of energy sources are available, significant energy sources identified. Energy program found.	C
Has the organisation identified EnPIs (energy performance indicators) appropriate for monitoring and measuring your energy performance?	Energy baseline declared as last year consumption. EnPI is set in the form of Energy Projects. *Energy efficiency utilization project taken *Secondary power utilization project taken in planning *Campaign/display project taken to aware other stakeholders	C
Has the organisation identified, implemented and have access to the applicable legal requirements and other requirements to which organization subscribes related to energy use, consumption and efficiency?	Affiliated to University of Calcutta.	C
Are the resources adequate for stage 2 audit?	Yes, documented information found established as per standard requirement and organization requirements. So proposed for stage-2 audit. The implementation and monitoring system will be checked in stage-2 audit.	C
Is Internal Audit planned and performed and effective?	Yes, Internal Audit Report w.r.t Year to year Green monitoring checks found conducted and maintained properly against all possible parameters.	C
Is MRM planned and performed and Effective?	Yes, their committee meeting outcome was maintained. Agenda point wise discussed and minutes records maintained.	C

END OF REPORT

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ATTENDENCE SHEET

Date of audit : 13.03.2024

Name of the Company : ~~MAHARAJA~~ SRISCHANDRA COLLEGE

Standard : ISO 9001:2015, ISO 14001:2015 and ISO 50001:2018

Audit type : Stage-1 Audit

S.N.	NAME	Position	Department	Sign.	
				Opening Meeting	Closing Meeting
1.	Amalesh Kr. Mandal	Lead Auditor	AQC	<i>Amalesh Kr. Mandal</i>	<i>Amalesh Kr. Mandal</i>
2	Sunanda Ray	Principal	MSC	<i>Sunanda Ray</i>	<i>Sunanda Ray</i>
3	Kuntal Mitra	PROFESSOR	MSC	<i>Mitra</i>	<i>Mitra</i>
	Avijit Chakrabarti	PROFESSOR	MSC	<i>Chakrabarti</i>	<i>Chakrabarti</i>
	Sujatra Bhattacharya	PROFESSOR	MSC	<i>Sujatra Bhattacharya</i>	<i>Sujatra Bhattacharya</i>
	Bijay Rawani	PROFESSOR	MSC	<i>Bijay Rawani</i>	<i>Bijay Rawani</i>

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Stage 2 Energy Audit Report	

Name of the Organization	Maharaja Srischandra College	
Address	20, Ramkanto Bose St, Bidhan Sarani,Kolkata, West Bengal, India	
Site Address (If any)		
No. of Employees	Teaching = 30, Non-teaching = 18, House-keeping =2, Security =1, Electrician=1, Total = 66	
No. of Shift	1	
E mail id	info@msccollege.ac.in ,	
Contact Person	Sunanda Ray	
Telephone/Fax	_033 2533 5133	
Scope	Teaching, Learning and Evaluation processes relating to awarding of B.COM, B.A AND B,SC as well as general learning considering Environment friendly and Energy efficiency manner in College Green Campus”	
Technical Area	Teaching, Learning and Evaluation, Capacity Building, Skill Enhancement, Institutional Social Responsibility.	
Audit Team	Lead Auditor: Amalesh Kumar Mandal Auditor: Technical Expert	No of Mandays: 1
Starting date of Audit	13.03.2024	
End date of Audit	13.03.2024	
Brief about the organization	<p>The history of our institution, Maharaja Srischandra College dates back to 1941, when the college was set up in a very busy North Calcutta neighbourhood Shyambazar by Maharaja Srischandra Nandy in memory of his father Maharaja Manindra Chandra Nandy, a renowned philanthropic Zamindar of Cossimbazar. An equally illustrious personality as his father, Maharaja Srischandra greatly contributed to the socio-cultural movement of Bengal in the early 20th century. Some local workers and academicians of the locality in which the college is situated encouraged Maharaja Srischandra to set up a college that would cater to the huge section of students residing in this locality. A proposal was accepted and the college was set up in 1941 by converting an old dilapidated building, which was previously functioning as a charitable dispensary. The building is now known as the common property of three separate colleges – Maharani Kasiswari College (Morning), Maharaja Manindra Chandra College (Day) and Maharaja Srischandra College (Night). Maharaja Srischandra College</p>	

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	<p>as a separate and independent institution emerged in 1964.</p> <p>Our founder Maharaja Srischandra Nandy (1897-1952), was the son of Maharaja Manindra Chandra Nandy and Maharani Kashiswari of Khirgram, Burdwan. He was the last zamindar of the Cossimbazar Raj before the abolition of the zamindari system. He represented the Bengal zamindars in the Fazlul Haque – Shyamaprasad ministry. He entered the Bengal Legislative Assembly from the landlord's quota in 1937, and became a minister in the cabinet of Ak Fazlul Haque (1937-1942). The Maharaja was also a popular figure in the sphere of Fine Arts, Literature, Music, Sports and educational activities. He died in 1952.</p> <p>In the beginning Maharaja Srischandra College offered a Bachelors Degree in Commerce. Gradually due to the demands from students it started offering various subjects from the Humanities stream. In recent years there has been a widening of the scope of our service since hundreds of general students, both male and female, are taking admission in the college.</p> <p>The college is situated at 20 Ramkanto Bose Street, Kolkata 700003 and is very close to the Kolkata city landmark Shyambazar five-point crossing.</p>
Purpose of Audit	To verify the implementation of the Energy Management System as per the ISO 50001:2018 Standards Requirement, verification of records for the conformity of the implementation.

CHANGE DETAIL:

Audit Duration for Stage 2	
Are quoted man-days adequate?	Yes
Any change in employee detail?	None
Any Change in Scope?	None
Any additional Information:	None

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ATTENDENCE SHEET:

NAME OF PERSON	DESIGNATION
<i>Amalesh K.R. Mandal.</i>	Lead auditor
Sunanda Ray	Member
Kuntal Mitra	Member
Debasis Mukherjee	Member
Sujatra Bhattacharya	Member
Bijay Rawani	Member
Avijit Chakrabarti	Member

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SUMMARY OF AUDIT

AREA OF IMPROVEMENTS	
1	No such significant area identified as critical w.r.t energy consumption

Non Conformities Raised

0 Minor/Major Non-conformance identified in the Stage 2 audit, details of Non Conformance in F50

Please respond by using your own corrective action form and include the root cause analysis with systemic corrective action. Failure to include root cause analysis with systemic corrective action will result in your responses being rejected by Lead Auditor




Team Leader Declaration (Tick or cross Each Column as per applicability)	
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√	nonconformities has verified
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Recommendation:

√	The quality system complies with the requirements of the reference standard: Congratulations, on the basis of the above summary, Lead Auditor is pleased to put forward a recommendation for Issuance of Certificate. The organization can use the AQC Mark
×	The quality system complies with the requirements of the reference standard with exception of minor NC: Congratulations, Team Leader is pleased to put forward a recommendation for Issuance of the certificate of Organization upon off-site verification of closure of all minor NC within 60 days from the date of Stage 2 audit. Responses to the non-conformances should be submitted to AQC and must include supporting evidence of closure to allow for off-site verification. In responding to the non-conformances, the organization should consider the root cause of the non-conformance and the potential for related issues in other parts of system. If all non-conformances are not closed within 60 days, a full reassessment may be required.
×	Evidence of major non conformities: Organization is not recommended for Issuance of Certificate and at this time. Follow-up audit will be scheduled to allow for on-site verification and closure of all issues within 60 days from the date of Stage 2. Once all non-conformances are closed, the recommendation for Issuance of certification may be recommended. If all non-conformances are not closed within 60 days, a full reassessment may be required.
×	Not Recommended: Organization is not recommended for Issuance of certificate at this time. Full Stage 2 audit is required as the organisation has not implemented the system and process at pace.
	<i>Proposed Audit Date for 1st Surveillance Audit 26.03.2025 (mm/dd/yy)</i>

Sign Off : (Date) 27.03.2024

AQC Report Submission	Client Acceptance for Report
Name of Team Leader: Amallesh Kr. Mandal Signature:  Authorization: Empanelled Auditor from IAF accredited Certification Body, Energy Auditor from National Productivity Council, IRCA Accredited Lead Auditor on ISO 50001:2018	Name: Sunanda Ray Signature:   Designation: Principal

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AUDIT CHECKLIST

VERIFICATION OF DOCUMENTED INFORMATION & RECORDS AS PER STD REQUIREMENT

(C- Conformity, NC-Non-Conformity, O-Observation)

Clause Number	C/N C/O	Document Verification detail with statement of Conformity
4 Context of the organization		
4.1 Understanding the organization and its context (External and Internal Issues)	C	Identified and included in Manual. (Under clause 4.1 of Doc. Ref. No. ENMS/L1, dtd. 02.04.2022) *To capture those issues Staff and student feedback process was initiated and documented for review.
4.2 Understanding the needs and expectations of interested parties (Need & Expectation of Interested parties)	C	Identified and included in Manual. (Under clause 4.2 of Doc. Ref. No. ENMS/L1, dtd. 02.04.2022) *To capture those issues Staff and student feedback process was initiated and documented for review.
4.3 Determining the scope of the energy management system	C	Scope established and included in Manual. (Under clause 4.3 of ENMS/L1 Manual) Scope defined in Manual and found as per course delivery. Verified against their affiliation.
4.4 Energy management system	C	Process Flow/Process description found established as guided by accreditation norms. Reference affiliation/accreditation maintained.
5 Leadership		

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5.1 Leadership and commitment (Ensure Top Management Commitment)	C	Interviewed with Top Management (Here Principal), found committed to communication of respective Energy Policies, Projects and implementation of Energy specific Projects.
5.2 Energy policy (Documented, communicated, availability and Review)	C	Energy Policy established and displayed on the notice board, signed by the Principal. Advise them to display for other stakeholders as well as on the Website.
5.3 Organization roles, responsibilities and authorities (Assigned and communicated by Top Management)	C	Defined in Manual and available in the College office. Ref. maintained.

6 Planning

6.1 Actions to address risks and opportunities	C	Risk Register found maintained (Doc. Ref. No. EnMS/POT/E-RISK/01), initially found 3 nos Energy risk identified.
6.2 Objectives, energy targets and planning to achieve them (Consistent with Energy Policy, SEU, documented, measurable, communicated and updated)	C	Energy Objectives found established and planned to achieve action (MAP), Projects taken Like “Efficient use of Energy Resources” and monitoring methodology found set to achieve the goal.
6.3 Energy review (Current type of energy use, past and current consumption, documented and updated)	C	Energy review has been done based on Meter reading study and kept as documented information. Current list of Energy sources found available including Significant energy sources in their Green monitoring report for review.
6.4 Energy performance indicators (Documented and updated)	C	Documented in the form of Energy projects. List of projects: 1. Energy Efficiency 2. Secondary power

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6.5 Energy baseline (Documented and review periodically and retention)	C	Energy baseline declared as last year Power consumption, accordingly projects taken to review and reduce the Power.
6.6 Planning for collection of energy data (Accuracy and repeatable, documented and retention)	C	Electrical Energy bill statements kept available for further review.

7 Support

7.1 Resources (Determination of resource required)	C	Resource requirements discussed in committee meetings. Outcome of meeting available.
7.2 Competence (determine, documented and retain the competence)	C	Training planning and related training records found available. Awareness training conducted by External consultant. 1. Training on Standard given by External body “Management System Consultancy”
7.3 Awareness (Objective, Policy, Non-Conformance of EnMS)	C	Done through training and display. 1. Training on Standard given by External body “Management System Consultancy”
7.4 Communication (What, When, With Whom, How & Who)	C	Done through display, mail, meeting minutes.
7.5 Documented information (Creation, Updating, Control, Retention, External Origin, Storage & Preservation)	C	Control of documented information procedure established. Control of documented information procedure established.

8 Operation

8.1 Operational planning and control (Documented, Plan, Implement, Control the process related to SEU and communication)	C	Operational procedures established supported with work instructions and related records. Project review checked
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8.2 Design (Documented, Specification, design consideration)	C	Design part not included
8.3 Procurement (Establish & Implement criteria for evaluating energy performance)	C	Effectively implemented, tendering system applicable in procurement. Comparative statement found available against any purchase.
9 Performance evaluation		
9.1.1 General (Monitoring, measurement, analysis and evaluation of energy performance and the EnMS)	C	Criteria set against each Project mapping, to monitor the performance and effectiveness of the Energy performance. Current Status: 1. Project mapping Vs. monitoring
9.1.2 Evaluation of compliance with legal requirements and other requirements	C	Affiliated to university of Calcutta.
9.2 Internal audit (Frequency and Effectiveness)	C	Yes, Internal Audit Report w.r.t Year to year Green monitoring checks found conducted and maintained properly against all possible parameters.
9.3 Management review (Frequency and input/output)	C	Yes, their committee meeting outcome was maintained. Agenda point wise discussed and minutes records maintained.
10 Improvement		
10.1 Nonconformity and corrective action	C	Procedure established and monitored through project planning.
10.2 Continual improvement	C	Objective and monitoring data found available.

END OF REPORT

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Rev 02

ATTENDENCE SHEET

Date of audit : 27.03.2024

Name of the Company : ~~MAHARAJA~~ SRISCHANDRA COLLEGE

Standard : ISO 9001:2015, ISO 14001:2015 and ISO 50001:2018

Audit type : Stage-2 Audit

S.N.	NAME	Position	Department	Sign.	
				Opening Meeting	Closing Meeting
1.	Amalesh Kr. Mandal	Lead Auditor	AQC	<i>Amalesh Kr. Mandal</i>	<i>Amalesh Kr. Mandal</i>
2	Sunanda Ray	Principal	MSC	<i>Sunanda Ray</i>	<i>Sunanda Ray</i>
3	Kuntal Mitra	PROFESSOR	MSC	<i>Kuntal</i>	<i>Kuntal</i>
	Avijit Chakrabarti	PROFESSOR	MSC	<i>Chakrabarti</i>	<i>Chakrabarti</i>
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	Bijay Rawani	PROFESSOR	MSC	<i>Bijay Rawani</i>	<i>Bijay Rawani</i>