

AQC GLOBAL LLC	F19EN18 Issue 01 Rev 05
ISO 50001:2018	
Stage 1 Energy Audit Report	

Name of the Organization	Sripat Singh College	
Address	P.O.-Jiaganj, Dist.-Murshidabad.Pin.-742123	
Site Address (If any)		
No. of Employees	Teaching = 87, Non-teaching =31, House-keeping =3, Security =2, Electrician=1, Total = 124	
No. Of Shift	1	
E mail id	sscollege2009@gmail.com	
Contact Person	Dr. Kamal Krishna Sarkar	
Telephone/Fax	03483-255351	
Scope	“Teaching, Learning and Evaluation processes relating to awarding of Under Graduate in Arts and Science and Post Graduate in Bengali 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	21.06.2023	
End Date of Audit	21.06.2023	

Brief about the organization

The vision was born of magnificent wealth, the munificence of a noble dreamer, and of no mean Mammon, of course. In some lonely hours the great Sripat Singh Dugar, the last perhaps of the clan of the Jain Sitambar blue blood at Jiaganj, Murshidabad, felt he must do that. His worthy partner of life, the co-sharer of his dream, his wife Rani Dhanya Kumari Dugar inspired his vision. So in 1949, in the month of April, the deed of gift was signed. Sripat Singh Dugar gifted his palatial outhouse (the magnificent 'Cutchery Bari'), with a further donation of seventy-five thousand rupees, for a college in this town of Jiaganj. It was Sripat Singh College, the first ever in this Sub-Division and in this vast region of rural West Bengal. On May 1, 1949, the Governing Body was formed with Sripat Singh Dugar as Founder President. On 11 June, the College was affiliated with the University of Calcutta. And on the auspicious morning of August 1, 1949, it took its first step as a co-educational Intermediate college with the Principal Sri Jogesh Chandra Bhattacharya, three full-time Lecturers, one clerk, one Librarian, one helper, 42 students in the I.A. class and 29 in the I.Sc. To encourage sincere students Sripat Singhji donated Rs. 10,000.00 for funding scholarships. The college was raised to Degree standard when in 1951, in terms of Govt. rules; he made a further donation of Rs. 30,000.00 for working fund. So, in 1951, B.A. Pass course started here with 9 students.

For the permanent economic security and upkeep of the college the College, headed by Sripat Singh Dugar, moved the Government of West Bengal and particularly the then Chief Minister Dr. Bidhan Chandra Ray in 1953. In terms of Government Rules of the time Sripat Singhji donated One lakh rupees (Rs. 100000.00) along with the gift of the regular annuity of Rs 6000.00 every year from his Malda Properties. And so in July, 1954, W.B. Government initiated the Govt. Sponsored Scheme with Sripat Singh College as the first Govt. Sponsored Co-educational Degree College in the state. In 1960, B.Sc. (Pass) course was introduced here. Progress was in pace. Learners thronged. Accommodation became a problem.

Sripat Singhji donated land adjacent to the building and with his co-operation much more land was purchased in 1958. In 1959, a large sum of financial assistance for building construction was available from U.G.C. and the W.B. Government. This joint fund of Rs. 1,94,000.00 was utilized for the construction of a spacious 3-storeyed building with more than thirty rooms and halls. In 1961, the building was ceremonially opened by Dr. K. L. Srimali, the Union Minister for Education. W.B. Chief Minister Sri Prafulla Chandra Sen was present in the function. Academic activities were transferred here in August, 1961, and the ancestral out-house of Sripat Singhji, i.e. the old building of the college has since then been named as the 'Administrative Building'.

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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

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

ATTENDANCE SHEET:

NAME OF PERSON	DESIGNATION
<i>Amalendu K. Nanda</i>	Lead Auditor
Dr. Prasenjit Nanda	Associate Professor
Dr. Sagar Simlandy	Assistant Professor
Dr. Amritendu Haldar	Assistant Professor
Enamul Kabir Pasa	Assistant Professor

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

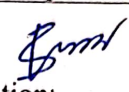
Non-Conformities Raised

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 have 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 have been fulfilled and achieved.
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

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Sign Off : Date 21.06.2023	
AQC Report Submission	Client Acceptance for Report
Name of Auditor: Amalesh Kr. Mandal Signature: Amalesh Kumar Mandal	Name: Sign  Designation: DR. KAMAL KRISHNA SARKAR

DR. KAMAL KRISHNA SARKAR
Principal
Sripat Singh College
Jaganj, Murshidabad

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



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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
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?	<p>Energy baseline declared as last year consumption. EnPI is set in the form of Energy Projects.</p> <p>*Energy efficiency utilization project taken</p> <p>*Secondary power utilization project taken in planning</p> <p>*Campaign/display project taken to aware other stakeholders</p>	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?	<p>ACCREDITED BY NAAC (2nd cycle), Affiliated to KALYANI UNIVERSITY, UNIVERSITY OF CALCUTTA.</p> <p>The Department of Education in Sripat Singh College was affiliated with the University of Calcutta. And on the auspicious morning of August 1, 1949, it took its first step as a co-educational Intermediate college with the Principal Sri Jogesh Chandra Bhattacharya, three full-time Lecturers</p>	C

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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. Last conducted month of January, 2023	C

END OF REPORT

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Name of the Organization	SRIPAT SINGH COLLEGE	
Address	P.O.-Jiaganj, Dist.-Murshidabad.Pin.-742123	
Site Address (If any)		
No. of Employees	Teaching = 87, Non-teaching =31, House-keeping =3, Security =2, Electrician=1, Total = 124	
No. of Shift	1	
E mail id	sscollege2009@gmail.com	
Contact Person	Dr. Kamal Krishna Sarkar	
Telephone/Fax	03483-255351	
Scope	“Teaching, Learning and Evaluation processes relating to awarding of Under Graduate in Arts and Science and Post Graduate in Bengali 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	12.07.2023	
End date of Audit	12.07.2023	

<p>Brief about the organization</p>	<p>The vision was born of magnificent wealth, the munificence of a noble dreamer, and of no mean Mammon, of course. In some lonely hours the great Sripat Singh Dugar, the last perhaps of the clan of the jain Sitambar blue blood at Jiaganj, Murshidabad, felt he must do that. His 1 worthy partner of life, the co-sharer of his dream, his wife Rani Dhanya Kumari Dugar inspired his vision. So in 1949, in the month of April, the deed of gift was signed. Sripat Singh Dugar gifted his palatial outhouse (the magnificent 'Cutchery Bari'), with a further donation of seventy-five thousand rupees, for a college in this town of Jiaganj. It was Sripat Singh College, the first ever in this Sub-Division and in this vast region of rural West Bengal. On May 1, 1949, the Governing Body was formed with Sripat Singh Dugar of Founder President. On 11 June, the College was affiliated with the University of Calcutta. And on the auspicious morning of August 1, 1949, it took its first step as a co-educational Intermediate college with the Principal Sri Jogesh Chandra Bhattacharya, three full-time Lecturers, one clerk, one Librarian, one helper, 42 students in the I.A. class and 29 in the I.Sc. To encourage sincere students Sripat Singhji donated Rs. 10,000.00 for funding scholarships. The college was raised to Degree standard when in 1951, in terms of Govt. rules; he made a further donation of Rs. 30,000.00 for working fund. So, in 1951, B.A. Pass course started here with 9 students.</p> <p>For the permanent economic security and upkeep of the college the College, headed by Sripat Singh Dugar, moved the Government of West Bengal and particularly the then Chief Minister Dr. Bidhan Chandra Ray in 1953. In terms of Government Rules of the time Sripat Singhji donated One lakh rupees (Rs. 100000.00) along with the gift of the regular annuity of Rs 6000.00 every year from his Malda Properties. And so in July, 1954, W.B. Government initiated the Govt. Sponsored Scheme with Sripat Singh College as the first Govt. Sponsored Co-educational Degree College in the state. In 1960, B.Sc. (Pass) course was introduced here. Progress was in pace. Learners thronged. Accommodation became a problem.</p> <p>Sripat Singhji donated land adjacent to the building and with his co-operation much more land was purchased in 1958. In 1959, a large sum of financial assistance for building construction was available from U.G.C. and the W.B. Government. This joint fund of Rs. 1,94,000.00 was utilized for the construction of a spacious 3-storeyed building with more than thirty rooms and halls. In 1961, the building was ceremonially opened by Dr. K. L. Srimali, the Union Minister for Education. W.B. Chief Minister Sri Prafulla Chandra Sen was present in the function. Academic activities were transferred here in August, 1961, and the ancestral out-house of Sripat Singhji, i.e. the old building of the college has since then been named as the 'Administrative Building'.</p>
<p>Purpose of Audit</p>	<p>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.</p>

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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

ATTENDANCE SHEET:

NAME OF PERSON	DESIGNATION
<i>Amalash Kr. Mandal</i>	Lead Auditor
Dr. Prasenjit Nanda	Associate Professor
Dr. Sagar Simlandy	Assistant Professor
Dr. Amritendu Haldar	Assistant Professor
Enamul Kabir Pasa	Assistant Professor

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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√	The audit objectives has been fulfilled and achieved.

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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 the 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.
Proposed Audit Date for 1st Surveillance Audit 11.07.2024 (mm/dd/yy)	

Sign Off : (Date) 12.07.2023

AQC Report Submission

Name of Team Leader: Amalesh Kr. Mandal

Signature: Amalesh Kumar Mandal

Client Acceptance for Report

Name:

Sign

Designation:

DR. KAMAL KRISHNA SARKAR
Principal
Sripat Singh College
Jaganj, Murshidabad



AUDIT CHECKLIST**VERIFICATION OF DOCUMENTED INFORMATION & RECORDS AS PER STD REQUIREMENT
(C- Conformity, NC-Non-Conformity, O-Observation)**

Clause Number	C/NC/ 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.
5 Leadership		
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.
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.

<p>6.2 Objectives, energy targets and planning to achieve them (Consistent with Energy Policy, SEU, documented, measurable, communicated and updated)</p>	<p>C</p>	<p>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.</p>																								
<p>6.3 Energy review (Current type of energy use, past and current consumption, documented and updated)</p>	<p>C</p>	<p>Energy review has been done based on Meter reading study and kept as documented information.</p> <p>Current list of Energy sources found available including Significant energy sources in their Green monitoring report for review.</p> <p>You may put your current list of energy source here</p> <table border="1" data-bbox="718 638 1292 1176"> <thead> <tr> <th>Electrical device/items</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Normal Tubelight</td> <td>124</td> </tr> <tr> <td>LED Tubelight</td> <td>49</td> </tr> <tr> <td>Normal Bulb</td> <td>22</td> </tr> <tr> <td>LED Bulb</td> <td>256</td> </tr> <tr> <td>Ceiling Fan</td> <td>215</td> </tr> <tr> <td>Wall fan</td> <td>25</td> </tr> <tr> <td>AC</td> <td>25</td> </tr> <tr> <td>Fridge</td> <td>6</td> </tr> <tr> <td>cooler</td> <td>1</td> </tr> <tr> <td>Inverter</td> <td>2</td> </tr> <tr> <td>Power consuming machine</td> <td>25</td> </tr> </tbody> </table>	Electrical device/items	Number	Normal Tubelight	124	LED Tubelight	49	Normal Bulb	22	LED Bulb	256	Ceiling Fan	215	Wall fan	25	AC	25	Fridge	6	cooler	1	Inverter	2	Power consuming machine	25
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<p>6.4 Energy performance indicators (Documented and updated)</p>	<p>C</p>	<p>Documented in the form of Energy projects.</p> <p>List of projects: 1. Generator, Solar Power</p>																								
<p>6.5 Energy baseline (Documented and review periodically and retention)</p>	<p>C</p>	<p>Energy baseline declared as last year Power consumption, accordingly projects taken to review and reduce the Power.</p>																								
<p>6.6 Planning for collection of energy data (Accuracy and repeatable, documented and retention)</p>	<p>C</p>	<p>Electrical Energy bill statements kept available for further review.</p>																								
<p>7 Support</p>																										
<p>7.1 Resources (Determination of resource required)</p>	<p>C</p>	<p>Resource requirements discussed in committee meetings. Outcome of meeting available.</p>																								

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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
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	ACCREDITED BY NAAC (2nd cycle), Affiliated to KALYANI UNIVERSITY, UNIVERSITY OF CALCUTTA. The Department of Education in Sripat Singh College was affiliated with the University of Calcutta. And on the auspicious morning of August 1, 1949, it took its first step as a co-educational Intermediate college with the Principal Sri Jogesh Chandra Bhattacharya, three full-time Lecturers
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. Last conducted month of January, 2023
10 Improvement		

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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