Reg.: Enviraj/CERT/2023/LNIPE/02

Issue date:05/12/2023





CERTIFICATE

This is to certify that

Lakshmibai National Institute of Physical Education Gwalior (M.P) India 474002

has been assessed by us for institutional performance against its environmental policies and objectives to fulfil the requirement of

ENVIRONMENTAL AUDIT

The Institute's environmental protection measures have been verified in the submitted report.

envira

The administration's commitment to minimize environmental impact of the institute is acknowledged, and recommendations have been proposed to further enhance the institute's environmental performance.



Rajdeep Pandey Director, ECPL QCI Certified EMS Auditor (Certificate No: PRA/EMS/2225/001)

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ENVIRONMENTAL AUDIT REPORT

2022-23



Lakshmibai National Institute of Physical Education Gwalior, Madhya Pradesh

Submitted by:



Enviraj Consulting Private Limited

(An ISO 14001:2015 & 50001:2018 Certified Company)

F-29 Bhagat Singh Nagar, Bhind Road, Gwalior Madhya Pradesh - 474005 www.enviraj.com

December, 2023



Quality Information

Prepared by



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Executive Summary

The purpose of this audit is to evaluate the environmental performance of the institute in accordance with relevant environmental laws and guidelines, as well as to assess the effectiveness of measures taken by the administration for continuous improvement. The findings of the audit can aid the institute in identifying areas for enhancing operational efficiency and establishing new environmental policy benchmarks.

During the audit, data from the fiscal year 2022-23 was examined in three key areas: Air quality, water management, and solid waste management. This data was assessed for quality, usage, management, disposal, and discharge, and was compared against regulatory standards. The audit determined that the institute is making commendable efforts to adhere to relevant environmental guidelines.

In addition, the institute has implemented various initiatives to reduce pollution and enhance environmental performance on campus. These initiatives include an in-house composting facility, utilization of solar energy, rainwater harvesting, and periodic environmental awareness campaigns. Recommendations specific to each area were provided to further improve the environmental performance of the institute.

1. Introduction

Environmental auditing is essentially an environmental management tool for measuring the effects of institutional activities on the environment (air, water, and land) against set standards or environmental laws, as well as investigating, understanding, and identifying gaps in existing institutional performance and assisting in its improvement through recommendations.

Therefore, to assess its environmental performance as well as to meet with NAAC Criteria 7; Institutional Values and Best Practices, the Institution has undergone the Environmental Audit. This audit evaluates an organization's environmental



performance including air, water and waste management, while also suggests the ways to improve it.

1.1 About Institute

The Lakshmibai National Institute of Physical Education (LNIPE), situated in Gwalior, India, has a rich history and a significant impact on the fields of Physical Education, Sports, and Research. Established as Lakshmibai College of Physical Education (LCPE) in August 1957 by the Ministry of Education & Culture, Government of India, the institution evolved over the years. It initially operated as an affiliated college of Vikram University, Ujjain, and later became part of Jiwaji University, Gwalior, in 1964. Recognized for its national importance, the institution was renamed Lakshmibai National College of Physical Education (LNCPE) in 1973. In 1982, it achieved the status of an "Autonomous College" of Jiwaji University and, in 1995, gained recognition as a "Deemed to be University," subsequently being named Lakshmibai National Institute of Physical Education (LNIPE).

LNIPE is dedicated to elevating the status of Physical Education through the production of high-quality teachers and leaders. It introduced the three-year Bachelor of Physical Education (BPE) in 1957, followed by the two-year Master of Physical Education (MPE) in 1963. A milestone was reached in 1980 when it became the first institution in India to offer a one-year program of Master of Philosophy (M.Phil.) in Physical Education. The institute also provides Ph.D. programs on both regular and part-time bases, along with various Certificate/Diploma/PG Diploma courses in different disciplines of Physical Education and Sports.

To meet professional degree standards and international benchmarks, the Bachelor of Physical Education (B.P.E.) course duration was extended to four years, renamed as Bachelor of Physical Education (B.P.Ed.), an integrated program. This course received



recognition from the National Council of Teacher Education (NCTE) and University Grants Commission (UGC) in 2006.

LNIPE holds the distinction of being the first "Deemed to be University" in the field of Physical Education in India, marking its unique place in South Asia. The institution has played a pioneering role in shaping the landscape of physical education and sports in the country. Through its comprehensive academic programs and a commitment to excellence, LNIPE continues to be a leading institution for the development of educators and leaders in the field of Physical Education and Sports.



1.2 Environmental Policy of an Institute

The institute established its environmental policy in 2017 with the primary objective of maintaining a clean environment for students and all stakeholders. The policy focuses on preserving and enhancing greenery on the campus, conserving water, utilizing solar energy, recycling waste and wastewater, and reducing the overall carbon footprint.



Throughout the year, the institute organizes various campaigns to raise environmental awareness among students and residents of the campus.



Green Diwali Celebration on Campus: No Single-Use Plastics or Firecrackers [12.11.2023]



Swachhta Abhiyan [02.10.2023]





As part of the LiFEStyleForEnvironment initiative, students have pledged to save the environment and make positive

changes in their daily lives [29.09.2023]



As part of the Azadi Ka Amrit Mahotsav, under the Meri Mati Mera Desh program by NSSLNIPE, 75 trees were planted at various locations across the institute campus [09.08.2023]



2. Objectives of the Audit

The objectives of environmental audit are:

- To determine the environmental performance status of an institute
- To monitor ambient environmental condition of the air and noise in the campus
- To assess water usage and solid waste management system
- To ensure compliance with relevant environmental laws and regulations

3. Methodology

The methodology adopted for this audit was a three-step process comprising of:

- **1. Data collection:** In this phase, exhaustive data collection was performed using different tools such as observation, survey communicating with responsible persons and measurements. Following steps were taken for data collection:
 - Site Visit
 - Data about the air & noise, water, solid waste was collected by observation and interview.
- 2. Data Analysis The collected data analysed and compared with the relevant standards.
- Findings & Recommendations On the basis data analysis results and site observations, recommendations were made for further improving environmental performance of the institute.



4. Findings and Recommendations

4.1 Air and Noise

4.1.1 Ambient Air Quality

The closest air quality monitoring station to the institute is located at City Center, Gwalior. The 24-hour monitoring data for November 27, 2023, starting from 11:15 AM via the City Center, Gwalior – MPPCB monitoring station, is attached in Annexure I. The average values derived from the 24-hour monitoring data indicate that the air quality in the locality is satisfactory.

			PM ₁₀	PM _{2.5}	NH ₃	SO ₂	со	NOx	O ₃
93	Gwalior - City Center Prominent Pollutant PM2.5	Avg. Value :-	69.43	55.50	<mark>21.16</mark>	17.71	0.63	16.11	9.14
	Satisfactory	Sub Index :-	69	93	5	22	32	20	9

Data Source: https://erc.mp.gov.in/EnvAlert/AQI

4.1.2 Noise level

The noise level measurements were carried out using noise meter at three locations. The noise level measured in the campus are found within the permissible limit

Sr. No	Location	Min Reading (dB)	Max. Reading (dB)
1	Admin Building	38.60	48.42
2	Mess Area	52.88	58.12
3	Main Gate	47.62	55.68

Recommendations

✓ The ambient air quality on the specified date was found satisfactory. On the close monitoring of historical data, it is found that air quality deteriorates in the region during the winter season. Also, monitoring station is 3.6 km far from the institute. Therefore, real-time monitoring of air quality within the campus is recommended.



- ✓ The campus is equipped with seven DG sets for power backup. Conducting annual noise and stack emission monitoring is recommended to monitor emission levels and ensure the health of the DG sets.
- Noise levels in the monitoring areas was found under limit. Flyers and posters with the phrase "Keep Silence" can be displayed in the college canteen and main building corridors.

4.2 Water Management

Groundwater serves as the principal water supply source for the institute, with a total water demand of approximately 300,000 liters per day (KLD). Currently, all water requirements are met through borewells. To diminish reliance on groundwater, the institute has submitted a proposal for a piped water supply from the municipal corporation.



Borewell Near 400 Meters Athletic Track



4.2.1 Water Quality

The prevailing groundwater hardness in the campus is high. To address this issue, a multiple RO purifiers and water softening plant has been installed to improve the water quality.

Sr. no	Capacity of RO Units	Nos
1	1000 LPH	1
2	250 LPH	18
3	100 LPH	4
4	50 LPH	4
5	20 LPH	5
6	10 LPH	2
7	Water Softeners	2

The institute is comprised of approximately 507 water tanks. To ensure water quality in these tanks, regular tank cleaning is conducted, as outlined in the table below:

S. N	Tank Location	Capacity	Nos	Cleaning Frequency
1	Hostels and Mess	Up to 5000	165	Once every two months
		Liters		
2	Non-residential	Up to 5000	150	Once every Four months
	Buildings	Liters		
3	Residential buildings	Up to 1000	188	Once every six months
	including VC bungalow	Liters		
4	Overhead Tanks	Up to 35000	4	Once a year & as
		Liters		required

This schedule ensures the consistent maintenance and cleanliness of the water tanks throughout the institute.





Overhead Water Tank

4.2.2 Water Usage

The campus utilizes water for various purposes, including drinking, toilet facilities, the swimming pool, and maintenance of green spaces. The approximate water usage pattern is as follows:

S. N	Description	Daily Water Consumption (LPD)
1	Domestic water requirement	1,16,100
	(Total permanent resident in the campus	
	including staff, faculty and students = 860;	
	Per capita demand @ 135 LPD)	
2	Kitchen and Dining	60,200
	(@70 LPD)	
3	Visitors @ 15% Population	1,935
	(@15LPD)	
4	Waterbody makeup	4,000



	(Indoor and outdoor swimming pool)	
5	Maintenance of Grass football field (x2)	75,000
	and Hockey field (x1) (@3LPD/sq.m)	
6	Maintenance of other green spaces	40,000
6	Road washing	2,000
	Total	2,99,235



Football Field and Irrigation Pumping System

4.2.3 Wastewater Treatment

As of now there is no sewage treatment plant installed in the institute but for the new boys hostel the provision of sewage treatment is given.

4.2.4 Rainwater harvesting

The institute has implemented the construction of water harvesting recharge pits within the water catchment area to replenish groundwater resources.





Rainwater Harvesting Recharge Pit near Overhead Water Tank

Recommendations

- To improve water management, it is necessary to install water meters at every inlet and outlet water source.
- Annual water audits are recommended to understand the water consumption patterns in various areas and identify losses and improve water use efficiency on campus.
- As groundwater is primary source, it is recommended to obtain No Objection Certificates (NOC) for ground water extraction from the Central Ground Water Authority.
- ✓ Periodic monitoring of groundwater level(s) and quality is suggested to understand the impact of groundwater recharge on water quality and efficiency of the RWH recharge structure.
- ✓ It is recommended to periodically monitor the quality of drinking water produced by each RO plant in accordance with IS 10500 standards.



- Since rainwater harvesting has been implemented on campus, it is important to ensure that all cleaning products used by university staff are eco-friendly and non-toxic. This will prevent contamination of the groundwater during the recharge.
- Recycling treated water from the proposed Sewage Treatment Plant (STP) can be utilized for irrigation and road washing purposes, thereby reducing the institute's water demand.
- Greywater recycling for toilet flushing can be implemented in the construction of new buildings.
- Adopting micro irrigation system shall further improve water use efficiency of the campus.

4.3 Solid Waste Management

- The institute generates various kind of waste that includes paper cups, metal, plastics etc.
- Two bin waste collection system is adopted in the campus; hence segregation of waste is done in the form of dry (non-biodegradable) and wet (biodegradable) waste.
- The compostable waste from the mess kitchen is composted in a 150 kg composting plant.
- Plastic, paper, and e-waste are stored and supplied to a certified recycler through an auction.







150 kg Capacity Composting Machine near the Mess Area

Recommendations

- ✓ The segregation of waste is well practiced by the institute but the scope for quantification of different types of waste generated is recommended. Systemic waste generation report can be prepared by group of students for various types of waste. This will be useful for setting baseline, taking new initiative for waste minimization, handling, treatment and disposal in the efficient manner.
- ✓ A proper logbook can be maintained for the composting facility to quantify the waste processed in the given financial year. This logbook may include details such as types and quantities of waste input, compost production, and any relevant operational observations for comprehensive record-keeping and analysis.
- ✓ An inventory of year-wise E-waste generation need to be maintained.
- Provisions for proper disposal of biomedical waste from the dispensary can be adopted.
- Use of banner near the two-bin system indicating proper use of bin for different kind of waste is recommended for the better segregation.
- ✓ Paper use shall be further minimised by adopting two side printing or a paperless office culture.



Annexure I:

Air Quality Data from MPPCB City Centre Monitoring Station

S N	Date Time	ΡΜ₁₀ (μg/m³)	ΡΜ _{2.5} (μg/m³)	NO _x (ppb)	SO ₂ (µg/m³)	NH₃ (µg/m³)	CO (mg/m³)	Ozone (µg/m³)
1	2023-11-27 11:15:00	87.00	70.00	7.60	NA	22.30		
2	2023-11-27 11:30:00	NA	70.00	7.60	NA	21.20		
3	2023-11-27 11:45:00	87.00	70.00	8.00	26.00	20.40		
4	2023-11-27 12:00:00	60.00	42.00	NA	26.80	18.00		
5	2023-11-27 12:15:00	60.00	42.00	NA	27.00	17.70		
6	2023-11-27 12:30:00	60.00	42.00	NA	28.10	20.20		
7	2023-11-27 12:45:00	60.00	42.00	7.70	29.90	16.20		
8	2023-11-27 13:00:00	58.00	22.00	7.90	30.90	17.40		
9	2023-11-27 13:15:00	58.00	22.00	7.50	33.10	18.30		
10	2023-11-27 13:30:00	58.00	22.00	7.60	35.70	19.20		
11	2023-11-27 13:45:00	58.00	22.00	6.80	34.50	19.30		
12	2023-11-27 14:00:00	54.00	21.00	7.00	34.10	17.80		
13	2023-11-27 14:15:00	54.00	21.00	6.90	34.30	17.10		
14	2023-11-27 14:30:00	54.00	21.00	6.50	33.10	16.20		
15	2023-11-27 14:45:00	54.00	21.00	6.80	31.80	16.50		
16	2023-11-27 15:00:00	19.00	6.00	6.80	31.50	16.80		
17	2023-11-27 15:15:00	19.00	6.00	7.10	30.50	17.10		
18	2023-11-27 15:30:00	19.00	6.00	7.10	29.10	17.00		
19	2023-11-27 15:45:00	19.00	6.00	7.20	31.00	16.90		
20	2023-11-27 16:00:00	38.00	13.00	6.90	29.50	17.00		



21	2023-11-27 16:15:00	38.00	13.00	6.30	27.20	16.70	
22	2023-11-27 16:30:00	38.00	13.00	6.30	26.50	16.80	
23	2023-11-27 16:45:00	38.00	13.00	6.20	23.30	17.50	
24	2023-11-27 17:00:00	64.00	42.00	7.40	16.70	18.20	
25	2023-11-27 17:15:00	64.00	42.00	40.40	14.10	47.20	
26	2023-11-27 17:30:00	64.00	42.00	31.50	12.60	NA	
27	2023-11-27 17:45:00	64.00	42.00	16.30	7.70	8.30	
28	2023-11-27 18:00:00	70.00	50.00	15.20	NA	15.20	
29	2023-11-27 18:15:00	70.00	50.00	13.60	NA	20.50	
30	2023-11-27 18:30:00	70.00	50.00	13.00	14.20	21.70	
31	2023-11-27 18:45:00	70.00	50.00	13.90	14.20	21.40	
32	2023-11-27 19:00:00	48.00	37.00	15.00	17.00	21.00	
33	2023-11-27 19:15:00	48.00	37.00	16.80	18.30	20.20	
34	2023-11-27 19:30:00	48.00	37.00	16.60	19.30	19.80	
35	2023-11-27 19:45:00	48.00	37.00	15.30	20.30	19.90	
36	2023-11-27 20:00:00	53.00	56.00	15.10	20.50	19.90	
37	2023-11-27 20:15:00	53.00	56.00	15.20	21.00	19.60	
38	2023-11-27 20:30:00	53.00	56.00	16.30	21.10	19.50	
39	2023-11-27 20:45:00	53.00	56.00	15.70	20.60	19.60	
40	2023-11-27 21:00:00	58.00	57.00	16.70	19.70	19.40	
41	2023-11-27 21:15:00	58.00	57.00	17.70	20.30	19.50	
42	2023-11-27 21:30:00	58.00	57.00	18.20	20.80	19.50	
43	2023-11-27 21:45:00	58.00	57.00	18.40	20.80	19.80	
44	2023-11-27 22:00:00	64.00	57.00	28.30	21.00	18.10	



45	2023-11-27 22:15:00	64.00	57.00	27.40	21.10	20.60		
46	2023-11-27 22:30:00	64.00	57.00	23.70	21.90	21.70		
47	2023-11-27 22:45:00	64.00	57.00	21.80	21.60	21.20		
48	2023-11-27 23:00:00	86.00	73.00	20.80	20.80	21.00		
49	2023-11-27 23:15:00	86.00	73.00	20.60	20.60	21.40		
50	2023-11-27 23:30:00	86.00	73.00	22.40	19.20	20.60		
51	2023-11-27 23:45:00	86.00	73.00	23.30	18.80	19.90		
52	2023-11-28 00:00:00	70.00	70.00	21.80	NA	20.00		
53	2023-11-28 00:15:00	70.00	70.00	21.80	17.60	20.20		
54	2023-11-28 00:30:00	70.00	70.00	24.50	12.60	20.40		
55	2023-11-28 00:45:00	70.00	70.00	24.40	10.80	20.30		
56	2023-11-28 01:00:00	85.00	69.00	22.50	10.40	19.70		
57	2023-11-28 01:15:00	85.00	69.00	21.20	9.10	19.70		
58	2023-11-28 01:30:00	85.00	69.00	21.50	8.50	19.50		
59	2023-11-28 01:45:00	85.00	69.00	21.60	10.00	19.10		
60	2023-11-28 02:00:00	55.00	61.00	21.30	11.40	19.20		
61	2023-11-28 02:15:00	NA	61.00	21.60	11.00	19.40		
62	2023-11-28 02:30:00	55.00	61.00	21.60	10.20	19.60		
63	2023-11-28 02:45:00	55.00	61.00	21.20	10.70	19.80		
64	2023-11-28 03:00:00	59.00	52.00	21.10	11.10	19.90	0.60	NA
65	2023-11-28 03:15:00	59.00	52.00	20.20	11.60	20.00	0.55	NA
66	2023-11-28 03:30:00	59.00	52.00	19.60	12.10	20.50	0.54	NA
67	2023-11-28 03:45:00	59.00	52.00	20.30	12.20	21.00	0.48	NA
68	2023-11-28 04:00:00	64.00	59.00	20.60	12.80	21.30	0.41	1.30



69	2023-11-28 04:15:00	64.00	59.00	19.80	13.40	21.40	0.34	0.80
70	2023-11-28 04:30:00	64.00	59.00	19.00	13.60	21.10	0.29	0.40
71	2023-11-28 04:45:00	NA	59.00	17.80	12.70	21.20	0.24	2.10
72	2023-11-28 05:00:00	63.00	50.00	16.20	11.90	21.70	0.16	4.50
73	2023-11-28 05:15:00	63.00	50.00	15.10	12.90	22.00	0.11	6.80
74	2023-11-28 05:30:00	63.00	50.00	13.80	12.80	22.30	NA	7.40
75	2023-11-28 05:45:00	NA	50.00	12.80	11.70	22.30	NA	7.10
76	2023-11-28 06:00:00	52.00	43.00	12.50	10.90	22.60	NA	7.40
77	2023-11-28 06:15:00	52.00	43.00	13.30	11.80	22.30	0.19	7.20
78	2023-11-28 06:30:00	52.00	43.00	14.30	12.50	21.80	0.25	5.40
79	2023-11-28 06:45:00	52.00	43.00	14.20	12.50	21.80	0.21	5.80
80	2023-11-28 07:00:00	65.00	40.00	14.00	12.60	21.80	0.35	5.60
81	2023-11-28 07:15:00	65.00	40.00	14.00	11.60	22.10	0.39	7.20
82	2023-11-28 07:30:00	65.00	40.00	13.90	10.70	22.10	0.41	8.50
83	2023-11-28 07:45:00	65.00	40.00	14.10	9.50	22.40	0.49	8.80
84	2023-11-28 08:00:00	75.00	52.00	14.80	10.30	23.30	0.57	9.40
85	2023-11-28 08:15:00	75.00	52.00	16.10	9.40	25.30	0.79	10.20
86	2023-11-28 08:30:00	75.00	52.00	16.80	8.00	27.30	0.93	11.20
87	2023-11-28 08:45:00	75.00	52.00	17.10	8.40	27.80	0.90	8.60
88	2023-11-28 09:00:00	162.00	125.00	17.80	9.40	28.30	0.95	NA
89	2023-11-28 09:15:00	162.00	125.00	18.90	8.60	28.80	1.06	NA
90	2023-11-28 09:30:00	162.00	125.00	19.60	8.60	28.70	1.04	NA
91	2023-11-28 09:45:00	NA	125.00	19.20	9.90	29.00	1.05	12.10
92	2023-11-28 10:00:00	176.00	140.00	18.90	10.20	30.40	1.12	15.70
-		•	•		•			•



93	2023-11-28 10:15:00	176.00	140.00	18.00	9.70	31.60	1.11	17.60
94	2023-11-28 10:30:00	NA	140.00	16.70	9.40	31.10	1.12	20.30
95	2023-11-28 10:45:00	176.00	140.00	16.90	10.60	30.50	1.10	23.20
96	2023-11-28 11:00:00	203.00	170.00	17.80	NA	31.10	1.12	23.10



Annexure II:





Annexure III



Details of Water Treatment Plants





2

X	🕫 लक्ष्मीबाई राष्ट्री	य शारीरिक शि	ाक्षा विश्व	विद्याल	ष, ग्वालियर	CIL
	Ictails of	Overhead	Watu	Janks	of Water	Inppl
पंजी क्रमांक	through nation	al -51N-	ground	water.	1) /

ि विषय:- संस्थान परिसर में आवासीय/गैर आवासीय भवनों पर स्थापित पी. वी. सी./आर. सी.सी. ओवरहैड टंकियों की यांत्रिक विधि से सफाई कार्य के व्यापक वार्षिक रखरखाव ठेका अवधि को दो वर्ष बढ़ाये जाने बावत्।

उपरोक्त विषयांतर्गत कार्य हेतु निविदा दस्तावेजों के अनुसार मैसर्स सप्तसती इंटरप्राईजेज, बी-202, सुकून अपार्टमेंट, आर.पी. कॉलोनी, तानसेन रोड़, ग्वालियर-474002 (म.प्र.) को कार्यादेश क्रमांक ई/वीएण्डआर/वाटर टैंक/09/2020-21/1085 दिनांक 24.09.2021 को दो वर्ष हेतु प्रदाय किया गया था। तदुपरांत संस्थान एवं उक्त फर्म के मध्य दिनांक 21.10.2021 को करार निष्पादित किया गया था जिसकी समयावधि 20.10.2023 को समाप्त हो रही है। कार्यादेश एवं करार की प्रति पंजी के विपरीत दिशा में पृष्ठ क्रमांक 144 एवं 153 पर अवलोकनार्थ संलग्न है।

तदनुसार अनुबंध के नियम एवं शर्तों के बिन्दु क्रमांक 2 के अनुसार इस व्यापक वार्षिक रखरखाव ठेका अवधि को दो वर्ष के लिये और बढ़ाया जाना प्रस्तावित है।

यदि उचित समझा जावे तो मैसर्स सप्तसती इंटरप्राईजेज, ग्वालियर को आगामी **दो वर्ष** दिनांक 21.10.2023 से 20.10.2025 तक पूर्व की दरों पर एवं संशोधित अनुसूचि जो कि निम्नानुसार है:-

١.	RATES	OF	CON	TRAC	T:

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Description of place & frequency of cleaning	Capacity	Quantity (tentative)	Rate per tank (Rs.) inclusive of taxes
Overhead tanks: 12 Nos. Hostels & Mess			
(Once every 2 months)			
(a) Vivekanand Hostel	upto 1000 Ltr.	10 Nos.	Upto 1000 Ltr.
(b) Aurobindo Hostel	upto 1000 Ltr.	4 Nos.	Capacity -
(c) Aurobindo Hostel	1001-5000 Ltr.	6 Nos.	Rs. 296/-
(d) Azad House	upto 1000 Ltr.	11 Nos.	Per unit.
(e) Subhash House	upto 1000 Ltr.	11 Nos.	
(f) Shivaji House	upto 1000 Ltr.	10 Nos.	
(g) Pratap House	upto 1000 Ltr.	10 Nos.	1. m. 1
(h) Maj. Dhyanchand Hostel	upto 1000 Ltr.	5 Nos.	
 Maj. Dhyanchand Hostel 	1001-5000 Ltr.	7 Nos.	1
(j) Deendayal Hostel +	1001-5000 Ltr.	7 Nos.	From 1001 Ltr.
(k) Sarojini House	upto 1000 Ltr.	12 Nos.	to 5000 Ltr.
(1) Padmini House	upto 1000 Ltr.	8 Nos.	Capacity
(m) Mrignayani Hostel	upto 1000 Ltr.	4 Nos.	Rs. 461/-
(n) Mrignayani Hostel	1001-5000 L	4 Nos.	Per unit.
(o) Mother Terresa Hostel	upto 1000 Ltr.	18 Nos.	Construction of the second
(p) Boys Mess	upto 1000 Ltr.	22 Nos.	
(q) Boys Mess	1001-5000 Ltr.	3 Nos.	
(r) Girls Hostel Mess & Gate	upto 1000 Ltr.	13 Nos.	
Sub total = (A)		165	1
Non Residential Buildings:			
(Once every 4 months)			
(a) Swimming Pool (Indoor)	upto 1000 Ltr.	6 Nos.	Upto 1000 Ltr.
(b) Swimming Pool (Outdoor)	upto 1000 Ltr.	10 Nos.	Capacity -
(c) Yoga Building	upto 1000 Ltr.	13 Nos.	Rs. 296/-
(d) Yoga Building	1001-5000 Ltr.	2 Nos,	Per unit.
(e) Multipurpose Hall	upto 1000 Ltr.	7 Nos.	
(f) Academic Block (Old building)	upto 1000 Ltr.	23 Nos.	
(g) Academic Block (New building)	upto 1000 Ltr.	3 Nos.	
(h) Academic Block (New building)	1001-5000 Ltr.	2 Nos.	From 1001 Ltr
(i) Tagore Auditorium	upto 1000 Ltr.	5 Nos.	to 5000 L tr
(j) Gusest House	upto 1000 Ltr.	11 Nos.	Capacity
(k) Health Center	upto 1000 Ltr.	7 Nos.	Rs 461/-
(J) M.G.I.H.	upto 1000 Ltr.	2 Nos.	Per unit

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कक्मीबाई राष्ट्रीय शारीरिक शिक्षा विश्वविद्यालय, ग्वाद्मियर

पंजी क्रमांक

-52 N-

		1001-5000 Ltr	7 Nos	
	(m) M.G.I.H.	upto 1000 Ltr.	2 Nos	
	(n) Admin Block	1001-5000 L tr	5 Nos	
	(o) Admin Block	upto 1000 Ltr	10 Nor	
	(p) U.G.C. / H.R.D.C.	1001-5000 Ltr	2 Nos	
	(q) U.G.C. / H.R.D.C.	1001-3000 Ltr.	J NOS.	
	(r) Library	1001-3000 Ltr.	2 Nos.	
	(s) Cariappa Complex	1001 5000 Ltr.	2 NOS.	
	(t) Cariappa Complex	1001-5000 Ltr.	1 No.	
	(u) Dept. of Health Sciences	upto 1000 Ltr.	3 Nos.	
	(v) Store & Main Gate	upto 1000 Ltr.	2 Nos.	
	(w) Temple	upto 1000 Ltr.	2 Nos.	
	(x) Track & Field	upto 1000 Ltr.	2 Nos.	
	(y) Cricket Pavilion	upto 1000 Ltr.	2 Nos.	
	(z) Squash Court Complex	upto 1000 Ltr.	2 Nos.	
	Sub total = (B)		150	
	No. of Tanks in LNIPE	upto 1000 Ltr.	- 252	
	(Hostels + Non. Residential Building)	1001-5000 Ltr.	- 63	
		Total	- 315	
	Residential buildings including V.C. Bunglow: (Once every 6 months)	upto 1000 litres	188 Nos.	Upto 1000 Ltr Capacity - Rs. 296/- Per unit.
	Sub total = (C)		188	
	Overhead Tanks:			
	(Once a year & as required)			
	(a) Opp. Athletic Track (Tank No. 1)	25000 Ltrs.	1 No.	4000/-
	(b) Opp. Residential Qtrs. (Tank No. 2)	35000 Ltrs.	1 No.	4500/-
	(c) Opp. Admin. Building (Tank No. 3)	15000 Ltrs.	1 No.	2500/-
	(d) Opp. V.C. Bunglow (Tank No. 4)	15000 Ltrs.	1 No.	2500/-
	Sub total = (D)		04	
	Grand Total A+B+C+D =		507	
1				

अत: मान्य हो तो, उक्त ठेके को दो वर्ष हेतु विस्तारित किया जा सकता है। कार्यादेश का आलेख पंजी के विपरीत दिशा में अवलोकनार्थ एवं अनुमोदनार्थ प्रस्तुत है।

(ए.पी. सिंह)

प्रभारी पर्यवेक्षक (भवन एवं पथ)

उपकुलसचिव (संपदा)

The precedy obbie the proposed may be deen and conside to accept its with dropp Los to the Ame contract for versioned of Ame for another, term of two years, charactere possibilities from to the chair of all the horizes have been related for every the horizes have been related for every the main of four months to once a two months, In wair of preveiling complaints



Annexure IV Photographs

