INFRASTRUCTURE ASSESSMENT AUDIT FOR SUVA – NAUSORI URBAN SCHOOLS

BHAWANI DAYAL ARYA COLLEGE (REG 1861)

SUMMARY REPORT

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1) INSPECTION SUMMARY

School Inspection Summary	
School name:	BHAWANI DAYAL ARYA COLLEGE
Overall condition state:	GOOD

Key recommendations:

- Overcrowding – 7 new classrooms required based on FNBC standards
- Overcrowding – 2 new classrooms required based on recommended sizing (1.5m^2)
- WASH – 4 new toilet cubicles required for girls / maintenance of ablution blocks required
- Accessibility –All buildings require accessibility ramps, accessible doorways
- Disaster resilience – Windows to include cyclone shutters and roof cladding fastened with Cyclone roofing screws.

Comments:

Major defects were noted as follows:

- Hairline Cracks on walls (B1, B2, B3, B4 & B5)
- Missing ramps (All buildings)
- Inadequate stairway width. (all buildings)
- Girls'& Boys toilet cubicles in fair condition.
- Dented and dislodged handrails. (B1, B2, B3, B4 & B5)
- Rusted roof cladding, gutter and roofing nails (B1, B2, B3, B4 & B5)

Aerial view of school

General view of school

SIDE VIEW

VIEW OF WASH AREA

GROUND LEVEL VIEW

School type:	**Primary**		**Secondary**	✓	**Year levels**	9,10,11,12 7 13	
School address:	Vavalagi Rd, Nakasi						
School enrolment and staff figures	**No. of Students (Male)**	**No. of Students (Female)**	**No. of Students with Disability**	**No. of Teachers (Male)**	**No. of Teachers (Female)**		
	336	496	0	14	32		
School building arrangement	TOTAL NUMBER OF BUILDINGS:**6** 2 STOREYS / **B1** – 2 STOREYS / **B3** – 1 STOREY **B4** – 2STOREY **B5**						

	– 1 STOREY WC**5** – 1 STOREY				
Local government area:	Vavalagi Rd, Nakasi				
Date of inspection:	3RD SEP 2024				
Inspection team:	FREDDY TURAGA(FT) RAJIV KUMAR (RK) ALEKSIO MANOA(AM) SURAJ RAGUNATH (SR) LAITE TELAWA(LT)				
Data collection methods	Visual inspection	✓	Onsite measurement	✓	
	Interviews with school staff	✓	Drone / aerial imagery	✓	
	Survey form	✓	Desktop research	✓	
	Other:				
Assumptions:	NONE				
Limitations:	UNAVAILABILITY OF ALL SCHOOL DOCUMENTS SUCH AS LAND TITLE				

2) ASSESSMENT OF OVERCROWDING

An assessment for overcrowding was undertaken based on FNBC standards and 2024 enrolment data. The table below summarises the data collected through visual inspection and interrogation of enrolment data and compares this against the FNBC standard student to classroom size ratio of 2 m^2 per student.

The results of the assessment are based on the recommended sizing (1.5m^2), according to 2024 data, an additional 2 classrooms are required for BHAWANI DAYAL ARYA COLLEGE.

Year	Stream	Number of students	Current number of classrooms	Number of extra classrooms required based on FNBC on 2024 data
	9A	43	5	1
	9B	43		
	9C	44		
	9D	43		
	9E	43		
	10A	35	5	1
	10B	37		
	10C	38		
	10D	38		
	10E	38		
	11A	38	5	0
	11B	35		
	11C	37		
	11D	35		
	11E	28		
	12A	28	5	0
	12B	31		
	12C	32		
	12D	21		
	12E	23		
	13A	30	4	0

	13B	24		
	13C	32		
	13D	33		

3) EXISTING INFRASTRUCTURE CONDITIONS

Given the outlined procedure, the following observations were made:

Block Code	Length (m)	Width (m)	Height (m)	No. of Levels	Type	Room List
B1	28.89	8.52		2	Masonry building with cladding on timber framed roof structure	Ground Floor - Classrooms (Year 903,904,905 & S/SC OFFICE) First Floor – Classrooms (901,902 & HAWAN RM)
B2	97.5	10.8		2	Masonry building with cladding on timber framed roof structure	Ground Floor – 105, CH/LB, H/EC RM,1205, HNDYMAN RM,1204,1203,1202, PMAC DPT, PHY/LAB, PREP RM, 1201 & WC1) First Floor – Classrooms (1004,1003,1002,1001, TYPIST/PRINT, STAFF RM, LIBRAY,1304,1303,1302 & 1301)
B3	41.3	10.54		1	Mix of Concrete wall with cladding and timber & Steel framed roof structure	Ground Floor – (I/ARTS 1, I/ARTS 2 & H/ECO 1)
B4	25.95	10.18		2	Masonry building with cladding on timber framed roof structure	Ground Floor – (SC/STAFF RM, COMMON RM,1105,1104, WC4,) First Floor – (COMP/LAB, MATHS/COM.DEPT, BOOK BANK/VPS OFFICE, WC5)
B5	49	11.84		1	Masonry building with cladding on timber framed roof structure	Ground Floor – (1101, 1102, 1103 & CANTEEN)
W6	9	2.5		1	Masonry building with cladding on timber framed roof structure	FEMALES TOILET BLOCK

NOTE: Toilets mentioned refers to a set of cubicles.

Summary Table for Classrooms

This table provides a quick overview of the assessment findings, helping to identify areas that need immediate attention and those that are in good condition. The following criteria was used:

- Good - No additional works / intervention required
- Fair - Remedial works required
- Poor - Demolition and replace with new

Assessment Area	Criteria	Conditions
Structural Integrity	Walls, ceiling, floor, foundation and roofs	Fair
General upkeep	Exterior, interior, furniture and fixtures	Fair
Safety compliance	Fire safety, electrical safety,	Fair
Disability	Accessibility	Poor
Ventilation and lighting	Ventilations, Natural Lighting, Artificial Lighting.	Fair

Observations on Structural Elements

- **Walls and Ceiling** – There was few hairline cracks on all buildings. The walls and ceiling were well painted.
- **Floors and Foundation** – the floor and foundation for the entire school is found to be stable. There were no visible or sign of cracks but there was uneven surface. However, the floor is mostly covered with tiles.
- **Roofs** –It was found that roof materials are in good condition. However, some roof cladding and fastenings are partially rusted and requires upgrading works.
- **Windows** – some missing window louvre blades were recorded at various buildings
- **Earthquake –** The three-storey main concrete building indicates resistance to earthquake based on suitable column, beam and slab size and design.
- **Cyclone** – minor roof upgrading works required to increase cyclone resilient capacity of the structures.

Existing Conditions of Building and Maintenance

- **Exterior –**B1, B2 & B4 is in fair condition as the wall, beam, column, window seal, doors, eaves, fascia boards and gutters are intact and coated with paint. However, B3 & B5 needs upgrade works, the school executes periodical maintenance.
- **Interior –** the building is in fair condition as the walls, beams, columns windows, doors and ceiling are intact and coated with paint. The school executes periodical maintenance. The classrooms were found to be clean with proper waste disposal.
- **Furniture and Fixtures –** the classrooms and offices have adequate furniture and fixtures that do not impede on the function of the buildings.

Safety and compliance with standards

- **Fire Safety –** the school does not possess adequate fire safety mechanisms. Present fire Extinguishers need maintenance and commissioning. Fire hydrants were located in the lab and alarm systems were not in place. The school has Emergency exit plan and designated assembly area provisioned.
- **Electrical Safety –** The school is connected to EFL Grid. The school has surface wiring with no fault outlets. All electrical systems are measured to be safe.
- **Accessibility –** the school does not meet disability accessibility standards. The school does not have facilities such as ramps, handrails and accessible restrooms.

Lighting and Ventilation

- **Ventilation –** HVAC system (Heating, Ventilation, and Air Conditioning) is centrally located in the school, in particular, offices and Computer Labs.
- **Natural Lighting –** there are adequate number of windows installed in classrooms, that are regularly cleaned to allow natural light to enter into classrooms unobstructed.
- **Artificial Lighting –** it was found that all light fixtures are working and provides adequate illumination.

4) WATER SANITATION HYGIENE (WASH) FACILITIES

Condition of Toilets and Washrooms

Bhawani Dayal Arya College has 2 blocks with toilet facilities. The facilities have some minor defects such as:

- The cubicle doors were damaged.
- Some toilet seat pans were missing.
- Rust was found on the door hinges and steel connectors of the PVC pipe outlets in the toilet system.
- The floor and walls had damaged and missing tiles.

The WASH facilities were unclean and lacked maintenance while the girl's toilet cubicles do not comply with the FNBC for toilet numbers.

The school has designated toilet blocks for all building. For instance, students in Building B1, B2 & B3 are assigned to use WC#1 & WC#2&WC#3 B4 are assigned to use WC#4 & WC#5 B5 are assigned to use WC6. The table below provides data on wash facilities. The Table below presents wash facilities data.

TOILET CUBICLE(S)		No. of Cubicles		Toilet Ratio (1 cubicle: students)		Compliance of Student to Toilet Cubicle Ratio (FNBC).	
Building Index	Used by Years	Female	Male	Female	Male	Female Requirement (1:20) Extra Toilets?	Male Requirement (1:30) Extra Toilets?
WC1 – WC6	9 - 13	14	7	1:36	1:48	4	-
HAND BASINS IN THE TOILET		No. of Hand Basins		Handbasin Ratio 1:		Compliance of Student to Hand Basin Ratio (FNBC).	
Building Index	Used by Years	Female	Male	Female	Male	Female Requirement (1:60) Extra Handbasins?	Male Requirement (1:60) Extra Handbasins?
WC1 – W6	9 - 13	3	3				
GENERAL OUTDOOR TAPS		No. of General Outdoor Taps		Outdoor Taps Ratio 1:		Compliance of Student to Outdoor Taps Ratio Requirement (1:60) (FNBC) Does it require additional hand basins?	
Building Index	Used by Years						
B1-B5	9 - 13	32		1:26		-	

5) DISASTER RESILIENCE ASSESSMENT

This infrastructure condition assessment aims to evaluate the architectural, structural, and non-structural features of the school to ensure it is resilient to natural disasters and provides a safe learning environment for students. The assessment also identifies areas for improvement and highlights the measures already in place to enhance overall resilience. FNBC 1990 and basic loading, wind and seismic AS/NZS codes typical details were utilized during and after inspection.

Architectural

- Cyclonic Roof: The school has a cyclonic roof designed to withstand strong winds and seismic activity. However, replacement with new roof cladding and roofing screws is needed.
- Central Location: The school is located at an easy access location, allowing easy access to main streets and relief services.

Structural

- Material Quality: The school buildings are constructed using reinforced concrete and follow acceptable engineering design principles.
- Structural Integrity: Buildings have demonstrated the capability to withstand and recover from natural disasters like earthquakes, category 3 cyclones, and floods.

Non-Structural

- Disaster Preparedness: Implementation of disaster evacuation plans, emergency exit routes, and safety protocols.
- Fire Safety: Equipped with a fire alarm system and strategically placed fire extinguishers to mitigate fire-related risks.

6) ACCESSIBILITY ASSESSMENT

1. **Compliance with Accessibility Standards:**
   - Educational facilities did not meet accessibility standards, such as the Fiji Disable People Federation Access Audit Tool 1.0. This toolkit covers aspects like ramps, door widths, signage, and accessible routes, also the noncompliance extends beyond physical structures to digital accessibility.

2. **Facilities for Students with Disabilities:**
   - Classrooms did not have adjustable seating arrangements, clear sightlines, and adequate space for mobility aids also including accessible desks and adjustable podiums.
   - Laboratories are not able to accommodate students with various disabilities with the absence of adjustable lab benches, accessible sinks, and clear pathways.
   - Libraries require accessible shelving, reading stations, and assistive technology (such as screen readers) to enhance library usability.
   - Restrooms (WASH facilities) were not wheelchair-accessible or have grab bars and sinks at an appropriate height.
   - Common Areas: the cafeterias and outdoor spaces were not designed inclusively. Benches, seating areas, and a few pathways are not able to accommodate everyone.

3. **Access to Classrooms, WASH Facilities, and Common Areas:**
   - Classrooms have adequate wide doorways to ensure access to classrooms. Additionally, acoustics are not considered for students with hearing impairments.
   - WASH Facilities do not have accessible restrooms with proper signage and a clear pathway to the wash facilities.
   - Common Areas like corridors, courtyards, and gathering spaces are not barrier-free and are without proper lighting and contrasting floor materials to aid navigation.

7) SUMMARY OF FINDINGS

The following summarizes the individual characteristics assessed during the Suva-Nausori school audit for Bhawani Dayal Arya College

Categories of Assessment	Existing Condition / State	Required as per Standards	Gaps Observed
Existing Infrastructure Condition	- Structural Integrity – Columns, slabs, beams, rafters, purlins of adequate size. -B3 needs upgrade - General upkeep – Minor irregular maintenance. - Safety compliance- handrails where necessary. - Disability- no consideration when constructed. - Ventilation and lighting – damaged and missing lights at some sections of buildings.	- Structural Integrity – Columns, slabs, beams, rafters, purlins sizes to follow FNBC 1990. - General upkeep –routine checkup as per MOE policies with major defects requiring immediate intervention. - Safety compliance- handrails, extra doors and signage where necessary. - Disability- to comply with FDPF Disability audit tool - Ventilation and lighting – adequate windows and doors required as per FNBC 1990.	- Structural Integrity – Columns, slabs, beams, rafters, purlins sizes to follow FNBC 1990. - General upkeep –requires immediate intervention to major defects. - Safety compliance- safety handrails were only present in suspended floors while ground floor rails beside drain had missing rails (not fully safety compliant). FDPF requires signage which was absent from the school. - Disability- not fully compliant with FDPF Disability audit tool - Ventilation and lighting – limitations in the count of windows and lightings compared to required FNBC.
Assessment of Overcrowding	- The classrooms are accommodating an average of 829 roll/24 classrooms of 37 students.	- FNBC 1990 requires classroom occupancy to have $2m^2$ per person. Based on that, the required roll per classroom was calculated.	- 10/24 classrooms were accommodating more roll than required. - Given the recommended sizing ($1.5m^2$), about 2 extra classrooms are required to address overcrowding in school.
Water Sanitation Hygiene (WASH) facilities	Toilets (students: Cubicle) - Boys – 47:1 (7 cubicles) - Girls – 35:1 (14 cubicles) Taps (students: tap) - Students – 25:1 (32 taps) - Menstrual Hygiene was present in every female washroom block & admin office	Toilets Ratio (students: Cubicle) - Boys – 47:1 (7 cubicles) - Girls – 35:1 (14 cubicles) Taps Ratio (students: tap) - Students – 25:1 (32 taps) **Please note: Above number of cubicles and taps are respective of 2024 enrolment numbers. Due to variation of ratio with student population in FNBC, the initial ratio is referred ONLY for reporting.** - Menstrual Hygiene to be present in every female washroom block	- Girl's toilet ratio was in par with the FNBC 1990 ratio. This may hinder later on with growing population. - The boys toilet ratio exceeded the FNBC requirement indicating not enough toilet cubicles are in the school. Given the roll of girls, a total of 4 extra cubicles is required - The tap ratio was below the FNBC requirement indicating extra taps are in the school. - school require maintenance of rusting pipes and algae buildup in WASH facilities.
Disaster Resilience Assessment	- columns, beams, slabs had hairline cracks. - All roof had truss roof frames. - The windows only have burglar shutters at some sections. - Roof cladding is rusted at B1, B2, B3, B4 & B6 - roofing nails show rusting.	Fiji Building Code 1990. Requirement is that roof cladding be free of rust and fastened securely with type 17 cyclonic screws with neoprene washers. Additionally, cyclone brackets to be fixed on every window frame.	- Rusting of cladding contradicts to the cyclone certification requirement requiring replacement. - Absence of cyclone brackets are not acceptable as per the cyclone certification.
Accessibility Assessment	-Handrails partially damaged in corridors. - Classrooms and labs have typical door size of 0.8 – 0.9m width.	**The following are requirements from Fiji Disabled People's Federation Access Audit Tool** - Ramps – required wherever elevation with minimum 1:8 maximum 1:20	The following facilities are missing. - Ramps and elevators for vertical access - Wide doorways and clear pathways - Proper signage - Wheelchair-accessible restrooms

	- Stairway – average 0.9m width.	- Walkway clearance - - Handrails to be 0.76m to 0.9m. - Doors and Door size – minimum 0.9m. - Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)	- Grab bars - Proper signage - Inclusive seating areas and pathways - Proper lighting - Contrasting floor materials

8) RECOMMENDATIONS

- In order to comply with the FNBC, the school will require the following:
  - Classrooms: An additional 7 new classrooms for students in years 9 - 13. This expansion aims to accommodate the growing number of students and provide them with an enhanced learning environment.
- WASH Facilities: An additional 4 cubicles for girls are required, equipped with up-to-date WASH facilities and additional 9 (handbasins), catering particularly to the needs of female & male students. These new facilities are essential to ensure hygiene and comfort. Additionally, some consideration could also be given to the boys' toilet cubicles as the ratio is not in line with the FNBC ratio. The exact number could be discussed upon further analysis.

Weekly routine maintenance work and daily cleanup directive from MOE is also a critical component of the plan which includes:

- Roof repairs due to rusting of cladding, roofing nails, gutter and gutter straps.
- Plumbing fixes due to algae buildup.
- New paint application on rails and walls

These maintenance activities are designed to address existing wear and tear and to ensure that the school buildings remain in good condition. It is recommended that maintenance be carried out at regular intervals, ideally every 12 months, to prevent deterioration and to maintain a safe and functional environment.

- Accessibility: Prioritize building accessibility features, such as ramps and handrails, to ensure compliance with standards. These features are vital for providing all students, including those with disabilities, with equal access to the school's facilities.

9) COMPLIANCE

Upon inspecting Bhawani Dayal College, the following conclusions were drawn:

- **MEHA Compliance:** Compliant
- **WASH Facilities:** The school has ample taps but need additional 4 cubicle for girls and 9 hand basins to cater for the current number of students.
- **Land Availability:** There is sufficient land for additional blocks along the front fence line.
- **NFA Compliance:** Compliant with NFA basic guidelines but does not have NFA certification.
- **WAF Compliance:** Adequate water supply and backup system for water cuts.
- **FNBC Compliance:** The school is not fully compliant with the occupancy requirements as well as the category 5 cyclone standards based on the windows and roofing requirements.
- **NDMO Compliance**: Targeting NFA and NBC compliance for safety.
- **EFL Compliance:** Assumed to be compliant with EFL standards.
- **DISABILITY Accessibility:** non-compliant

10) APPENDIX

Appendix A – Bhawani Dayal Arya College Site Inspection Report

Appendix B – Excel Scoring Sheet

Appendix C – Land Available for Expansion

Appendix A - Site Inspection Report

INFRASTRUCTURE ASSESSMENT AUDIT FOR SUVA – NAUSORI URBAN SCHOOL

BHAWANI DAYAL ARYA COLLEGE (REG 1861

SITE INSPECTION REPORT

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List of Abbreviations

NRWM	NRW Macallan (Fiji) Pte Ltd
MOE	Ministry of Education
TT	Tetra Tech International Development Pty Ltd
DFAT	Department of Foreign Affairs and Trade (Australia)
FEG	Free Education Grant
OHS	Occupational Health and
NFA	National Fire Authority
WAF	Water Authority of Fiji
NBC	National Building Code
NDMO	National Disaster Management Office
EFL	Energy Fiji Limited

1) SCHOOL BACKGROUND

Bhawani Dayal Arya College is governed by the Arya Pratinidhi Sabha of Fiji. This school is situated at Nakasi. The current school roll is over 800 with 46 academic staff and 7 ancillary staff. Bhawani Dayal Arya College when established in 1972 was known as Bhawani Dayal High School. The college is named in the memory of a great freedom fighter for Indians in South Africa Swami Bhawani Dayal Sanyasi. Swami Ji was also a great champion of rights of Indians. He was born in Johannesburg on 10th September 1892 and died on 9th May 1950. The school had started in a temporary shed in Bhawani Dayal Memorial Primary compound with 28 students and 2 teachers. The foundation of a new building was laid by Pt. Raghwa Nand MBE (President of Arya Samaj) on 15th August 1972. The school was officially opened by the Permanent Secretary for Education Mr Filipe Bole on 3rd April, 1976 with 388 students and 17 teachers. In 1980, a new canteen and the only quarters attached to the school was constructed. The growing population in the Nakasi area pushed the Samaj to add new classrooms. The foundation for a double storey (Southern Wing) for which the foundation stone was laid by Mr Shiu Pal Nandan in 1981 was opened in 1983 by Dr. Ahmed Ali, Minister for Education and Youth. A very important addition to the college – the multi craft workshop was made by the Ministry of Education in 1982. Another classroom was added to this building in 1988. Currently, the multi- craft has been abolished because of diminishing number of students and these buildings have been renovated to cater for Industrial Arts Department. In 1984, Form 6 was introduced at the college and in 1989 the College was upgraded to level 1 status. In 1993, form 7 education was introduced taking the College to a new height. Then in 1990, the Industrial Arts workshop was constructed. Five new classrooms together with a new toilet block was completed in 1993. (L- shaped Southern Wing). In 1992, Cadet training began but was abandoned two years later due to some financial difficulties. The school changed its name in the year 1997 during the silver Jubilee celebrations. Due to demand for intake in the school, another L – shaped building in Northern Wing (consisting of classrooms and a special Hawan room) was constructed. The pressure for

admissions at form 7 level saw the completion of the Central Wing with 3 Classrooms. Today Bhawani Dayal Arya College has a total 24 streams. There are 5 streams each at Year 9 to 12 levels and 4 streams at Year 13 level

Table 1: SCHOOL DETAILS

NAME OF SCHOOL	BHAWANI DAYAL ARYA COLLEGE
SCHOOL REGISTRATION NUMBER	1861
SCHOOL LOCATION	VAVALAGI RD, NAKASI
SCHOOL TYPE	SECONDARY SCHOOL
FEEDER SCHOOL	BHAWANI DAYAL ARYA COLLEGE, VUNIMONO PRIMARY SCHOOL
DATE OF INSPECTION	3RD SEP 2024
MILESTONE	(76 / 86 SCHOOLS)
INSPECTED BY (TEAM 4)	RAJIV KUMAR (RK)
	ALEKSIO MANOA(AM)
	FREDDY TURAGA(FT)
	SURAJ RAGUNATH (SR)

Table 2: SCHOOL ENROLMENT FIGURES

Year of Enrolment	Number of Students			Students with Disability	Number of Teachers			Comments
	Male	Female	Total		Male	Female	Total	
2024	336	496	832	Nill	14	32	46	• 24 Number of Classrooms • Student to stream average ratio is 35 :1 for 2024 school calendar. • WASH ratio = 36: 1 F 48:1 M • EVACUATION CENTRE- Yes
2023	340	426	766	Nill	15	32	47	
2022	368	445	809	Nill	15	34	49	
2021	369	455	810	Nill	12	37	49	
2020	388	456	838	Nill	14	34	48	
2019	382	439	784	Nill	14	34	48	

Table 3: 2024 CLASSROOM ENROLLMENT DETAILS (*ONLY NOTE DOWN CLASSROOMS)*

GRADE	FEMALE ROLL	MALE ROLL	TOTAL STUDENT ROLL	NUMBER OF TEACHERS	DIMENSIONS (m)		ACCESS WAY COUNT		OVERCROWDING
					LENGTH	WIDTH	NO. OF DOORS	NO. OF WINDOWS	
901	28	15	15	1	8.7	6.6	1	15	☒YES ☐NO
902	30	13	13	1	8.8	6.6	1	15	☒YES ☐NO
903	26	18	18	1	8.8	6.6	2	17	☒YES ☐NO
904	20	23	23	1	8.9	6.6	1	15	☒YES ☐NO
905	28	15	15	1	8.8	6.6	1	15	☒YES ☐NO
1001	21	16	16	1	7.5	6.7	2	14	☒YES ☐NO
1002	23	14	14	1	7.5	6.7	2	14	☒YES ☐NO
1003	20	18	18	1	7.7	6.7	2	14	☒YES ☐NO
1004	23	15	15	1	7.5	6.7	2	14	☒YES ☐NO
1005	22	16	16	1	7.05	6.7	2	14	☒YES ☐NO
1101	33	5	5	1	9	7.2	1	19	☒YES ☐NO
1102	15	20	20	1	9	7.2	1	19	☒YES ☐NO
1103	15	22	22	1	9	7.2	1	19	☒YES ☐NO
1104	22	13	13	1	7.3	7.8	2	7	☒YES ☐NO
1105	14	15	15	1	7.4	7.8	1	11	☒YES ☐NO
1201	23	5	5	1	7.4	6.7	4	10	☒YES ☐NO
1202	7	24	24	1	7.6	6.7	2	12	☒YES ☐NO
1203	21	11	11	1	7.6	6.7	2	12	☒YES ☐NO
1204	17	4	4	1	7.5	6.7	2	13	☒YES ☐NO
1205	19	4	4	1	7.6	6.7	2	14	☒YES ☐NO
1301	22	8	8	1	7.3	6.7	2	10	☒YES ☐NO
1302	13	11	11	1	7.3	6.7	2	10	☐YES ☒NO
1303	20	12	12	1	7.3	6.7	2	10	☐YES ☒NO
1304	14	19	19	1	7.5	6.7	2	12	☐YES ☒NO
CULTURE ROOM					11.4	6.6	2	17	
SOCIAL SCIENCE DEPT					2.4	6.6	1	4	
SCIENCE DEPT					7.4	7.8	2	8	
CHEM LAB					11.67	2	2	24	
CHEM STORAGE					4	6.7	1	8	
HOME ECO					11.3	6.7	3	20	
BIO/PHYS LAB					14	6.7	4	20	
AGRI TOOL ROOM					5.6	2.0	1	3	
INDUSTRIAL ART					14	7.4	1	21	
T/D					8.2	6.3	1	14	
HOME EC DPT					10.8	6.3	2	22	
BOOK BANK/VP OFFICE					7.4	7.8	1	11	
COMP LAB					7.3	7.8	1	12	

2) SCHOOL SITE PLAN (DRONE IMAGERY OF SCHOOL)

AERIAL VIEW`			
LEGENDS			
B#	BUIDLINGS	SP#	SWIMMING POOL
PG#	PLAYGROUND	HS#	HANDYMAN SHED
WC#	TOILETS	ST#	STAFF QUARTERS
T#	TAP / WASH AREA	BC#	BASKETBALL COURT
WS#	WATER STORAGE FACILITY	VB#	VOLLEYBALL COURT
SEP#	SEPTIC TANK	CP	CAR PARK
LA#	LAND AVAILABILITY	WW#	WALKWAY

TABLE 4 VISUAL INSPECTION RESULTS

a) EXISTING BUILDING INFORMATION

Building Index	**B1**		**Year built: 1991 (Age: 52years old)**
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Ground Floor - Classrooms (Year 903,904,905 & S/SC OFFICE)** ➢ **First Floor – Classrooms (901,902 & HAWAN RM)**		**No. of Levels: 2**
Dimensions	**Length (m): 28.89**	**Width (m): 8.52**	**Height (m): # (upto eaves)**

Existing State of Building

REF. No.	Building Component	Good[1]	Fair[2]	Poor[3]	Structure Type [4]	Comments	
1	Roof Lining		✓		(timber / concrete / steel / other)		
2	Roof Structure		✓		Timber		
3	Walls		✓		Concrete		
4	Columns		✓		Concrete		
5	Beams		✓		Concrete		
6	Floor		✓		Concrete		
7	Handrails		✓		Steel		
8	Walkway(s)		✓		Concrete		
9	Services – water supply		✓				
10	Available taps for general use		✓			# of taps - 2	Student – tap ratio = #:
11	Services – electricity		✓				
12	Services – communication (internet)		✓				
13	Drainage		✓				

Comments

- **General minor building upgrade works**
- **Fixing of broken glasses and missing louver blades**
- **Replacing of missing & damaged floor tiles**
- **No provisions for disability access**
- **Fire protection system needs servicing**
- **Replacement of damaged ceilings**

[1] Good - No additional works / intervention required
[2] Fair - Remedial works required – min CAT 3 standard
[3] Poor - Demolition and replace with new - min CAT 4 standard
[4] Type of structure - Timber/concrete/steel

b) **EXISTING BUILDING INFORMATION**

Building Index	**B2**		**Year built: 1991 (Age: 52years old)**
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Ground Floor – 1005, CH/LB, H/EC RM,1205, HNDYMAN RM,1204,1203,1202, PMAC DPT, PHY/LAB, PREP RM, 1201 & WC1)** ➢ **First Floor – Classrooms (1004,1003,1002,1001, TYPIST/PRINT, STAFF RM, LIBRAY,1304,1303,1302 & 1301)**		**No. of Levels: 2**
Dimensions	**Length (m): 97.55**	**Width (m): 10.8**	**Height (m): # (upto eaves)**

Existing State of Building

REF. No.	Building Component	Good[5]	Fair[6]	Poor[7]	Structure Type [8]	Comments	
1	Roof Lining		✓		(timber / concrete / steel / other)		
2	Roof Structure		✓		Timber		
3	Walls		✓		Concrete		
4	Columns		✓		Concrete		
5	Beams		✓		Concrete		
6	Floor		✓		Concrete		
7	Handrails		✓		Steel		
8	Walkway(s)		✓		Concrete		
9	Services – water supply		✓				
10	Available taps for general use		✓			# of taps - 11	Student – tap ratio = #:
11	Services – electricity		✓				
12	Services – communication (internet)		✓				
13	Drainage		✓				

Comments

- **General minor building upgrade works**
- **Fixing of broken glasses and missing louver blades**
- **Replacing of missing & damaged floor tiles**
- **Replacement of damaged ceilings**
- **No provisions for disability access**
- **Fire protection system needs servicing**

1. TOILET BLOCKS WC1(BOYS)

Building Index	**B# - B2/WC1**		
Type:	**MENTION THE CONTENTS OF WASHROOMS AT EACH LEVEL.** • **Ground floor: LEFTT SIDE MALE**		**No. of Levels: 1**
Dimensions	**Length (m): 3.7**	**Width (m): 2.8**	**Height (m): 5.72 (up to eaves)**

Existing State of Building

REF. No.	Building Component	Good[9]	Fair[10]	Poor[11]	Structure Type [12]	Count [13]	Comments
1	Toilet Bays – male		☒		Concrete	2	
2	~~Toilet Bays – female~~		~~☒~~		~~Concrete~~		
3	Toilet Partition between boys and girls.		☒		Concrete	2	
4	Shower bay					-	
5	Toilet Bays – accessible		☒				
6	Entry to toilet building		☒			1	
7	Exit to toilet building		☒			1	
8	Menstrual Hygiene facilities		☒			-	
9	Students to **WASH** ratio	Toilet taps: 4		Male	2	Female	-

Comments

- Fixing of broken doors, windows & Toilet Pan
- Regular maintenance required.
- *Refer to Drone Image on page 7 for location*

2. TOILET BLOCKS WC2(GIRLS)

Building Index	B# - B2/WC2		
Type:	MENTION THE CONTENTS OF WASHROOMS AT EACH LEVEL. • Ground floor: RIGHT SIDE FEMALE		No. of Levels: 1
Dimensions	Length (m): 3.7	Width (m): 2.8	Height (m): 5.72 (up to eaves)

Existing State of Building

REF. No.	Building Component	Good[14]	Fair[15]	Poor[16]	Structure Type [17]	Count [18]	Comments
1	~~Toilet Bays – male~~		☒		~~Concrete~~		
2	Toilet Bays – female		☒		Concrete	2	
3	Toilet Partition between boys and girls.		☐		Concrete	2	
4	Shower bay					-	
5	Toilet Bays – accessible		☒			1	
6	Entry to toilet building		☒			1	
7	Exit to toilet building		☒			1	
8	Menstrual Hygiene facilities		☒			1	
9	Students to **WASH** ratio	Toilet taps: 2		Male	-	Female	

Comments

- Fixing of broken doors, windows & Toilet Pan
- Regular maintenance required.
- *Refer to Drone Image on page 7 for location*

[14] Good - No additional works / intervention required
[15] Fair - Remedial works required – min CAT 3 standard
[16] Poor - Demolition and replace with new - min CAT 4 standard
[17] Type of structure - Timber/concrete/steel
[18] Count - Used for identifying number of toilet bays and menstrual hygiene facilities

3. TOILET BLOCKS WC3(GIRLS)

Building Index	B# - B2/WC3		
Type:	MENTION THE CONTENTS OF WASHROOMS AT EACH LEVEL. • First floor: RIGHT SIDE FEMALE		No. of Levels: 1
Dimensions	Length (m): 3.7	Width (m): 2.8	Height (m): 5.72 (up to eaves)

Existing State of Building

REF. No.	Building Component	Good[19]	Fair[20]	Poor[21]	Structure Type [22]	Count [23]	Comments
1	~~Toilet Bays – male~~		☒		~~Concrete~~		
2	Toilet Bays – female		☒		Concrete	5	
3	Toilet Partition between boys and girls.		☐		Concrete	5	
4	Shower bay					-	
5	Toilet Bays – accessible		☒			1	
6	Entry to toilet building		☒			1	
7	Exit to toilet building		☒			1	
8	Menstrual Hygiene facilities		☒			1	
9	Students to **WASH** ratio	Toilet taps: 2		Male	-	Female	

Comments

- Fixing of broken doors, windows & Toilet Pan
- Regular maintenance required.
- *Refer to Drone Image on page 7 for location*

[19] Good - No additional works / intervention required
[20] Fair - Remedial works required – min CAT 3 standard
[21] Poor - Demolition and replace with new - min CAT 4 standard
[22] Type of structure - Timber/concrete/steel
[23] Count - Used for identifying number of toilet bays and menstrual hygiene facilities

c) **EXISTING BUILDING INFORMATION**

Building Index	**B3**				**Year built: 1991 (52years old)**	
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Ground Floor – (I/ARTS 1, I/ARTS 2 & H/ECO 1)**					**No. of Levels:1**
Dimensions	**Length (m): 41.3**	**Width (m): 10.54**			**Height (m): # (upto eaves)**	
Existing State of Building						
REF. No.	**Building Component**	**Good[24]**	**Fair[25]**	**Poor[26]**	**Structure Type [27]**	**Comments**
1	Roof Lining		✓		(timber / concrete / steel / other)	
2	Roof Structure		✓		Timber	
3	Walls		✓		Concrete/Timber	
4	Columns		✓		Concrete/Timber	
5	Beams		✓		Concrete/Timber	
6	Floor		✓		Concrete	
7	Handrails		✓		Steel	
8	Walkway(s)		✓		Concrete	
9	Services – water supply		✓			
10	Available taps for general use		✓		# of taps -	Student – tap ratio = #:
11	Services – electricity		✓			
12	Services – communication (internet)		✓			
13	Drainage		✓			

[24] Good - No additional works / intervention required
[25] Fair - Remedial works required – min CAT 3 standard
[26] Poor - Demolition and replace with new - min CAT 4 standard
[27] Type of structure - Timber/concrete/steel

d) **EXISTING BUILDING INFORMATION**

Building Index	**B4**	**Year built: 1991 (52years old)**	
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Ground Floor – (SC/STAFF RM, COMMON RM,1105,1104, WC4,)** ➢ **First Floor – (COMP/LAB, MATHS/COM.DEPT, BOOK BANK/VPS OFFICE, WC5)**	**No. of Levels: 2**	
Dimensions	**Length (m): 25.95**	**Width (m): 10.18**	**Height (m): # (upto eaves)**

Existing State of Building

REF. No.	Building Component	Good[28]	Fair[29]	Poor[30]	Structure Type [31]	Comments	
1	Roof Lining		✓		(timber / concrete / steel / other)		
2	Roof Structure		✓		Timber		
3	Walls		✓		Concrete		
4	Columns		✓		Concrete		
5	Beams		✓		Concrete		
6	Floor		✓		Concrete		
7	Handrails		✓		Steel		
8	Walkway(s)		✓		Concrete		
9	Services – water supply		✓				
10	Available taps for general use		✓			# of taps -	Student – tap ratio = #:
11	Services – electricity		✓				
12	Services – communication (internet)		✓				
13	Drainage		✓				

[28] Good - No additional works / intervention required
[29] Fair - Remedial works required – min CAT 3 standard
[30] Poor - Demolition and replace with new - min CAT 4 standard
[31] Type of structure - Timber/concrete/steel

4. TOILET BLOCKS WC4(BOYS)

Building Index	**B#B4/WC4**		
Type:	**MENTION THE CONTENTS OF WASHROOMS AT EACH LEVEL.** • **Ground floor: RIGHT SIDE FEMALE**		**No. of Levels: 1**
Dimensions	**Length (m): 3.7**	**Width (m): 2.8**	**Height (m): 5.72 (up to eaves)**

Existing State of Building

REF. No.	Building Component	Good[32]	Fair[33]	Poor[34]	Structure Type [35]	Count [36]	Comments
1	Toilet Bays – male		☒		Concrete	2	
2	~~Toilet Bays – female~~		~~☒~~		~~Concrete~~		
3	Toilet Partition between boys and girls.		☒		Concrete	2	
4	Shower bay					-	
5	Toilet Bays – accessible		☒				
6	Entry to toilet building		☒			1	
7	Exit to toilet building		☒			1	
8	Menstrual Hygiene facilities		☒			-	
9	Students to **WASH** ratio	Toilet taps: 1		Male	2	Female	-

Comments

- Fixing of broken doors, windows & Toilet Pan
- Regular maintenance required.
- *Refer to Drone Image on page 7 for location*

[32] Good - No additional works / intervention required
[33] Fair - Remedial works required – min CAT 3 standard
[34] Poor - Demolition and replace with new - min CAT 4 standard
[35] Type of structure - Timber/concrete/steel
[36] Count - Used for identifying number of toilet bays and menstrual hygiene facilities

5. TOILET BLOCKS WC5(GIRLS)

Building Index	**B# B4/ WC5**		
Type:	**MENTION THE CONTENTS OF WASHROOMS AT EACH LEVEL.** • **First floor: LEFT SIDE MALE**		**No. of Levels: 1**
Dimensions	**Length (m): 3.7**	**Width (m): 2.8**	**Height (m): 5.72 (up to eaves)**

Existing State of Building

REF. No.	Building Component	Good[37]	Fair[38]	Poor[39]	Structure Type [40]	Count [41]	Comments
1	Toilet Bays – male		☒		Concrete	1	
2	Toilet Bays – female		☒		Concrete		
3	Toilet Partition between boys and girls.		☒		Concrete	2	
4	Shower bay					-	
5	Toilet Bays – accessible		☒				
6	Entry to toilet building		☒			1	
7	Exit to toilet building		☒			1	
8	Menstrual Hygiene facilities		☒			-	
9	Students to **WASH** ratio	Toilet taps: 1		Male	-	Female	3

Comments

- Fixing of broken doors, windows & Toilet Pan
- Regular maintenance required.
- *Refer to Drone Image on page 7 for location*

[37] Good - No additional works / intervention required
[38] Fair - Remedial works required – min CAT 3 standard
[39] Poor - Demolition and replace with new - min CAT 4 standard
[40] Type of structure - Timber/concrete/steel
[41] Count - Used for identifying number of toilet bays and menstrual hygiene facilities

e) **EXISTING BUILDING INFORMATION**

Building Index	**B5**				**Year built: 1991 (52years old)**		
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Ground Floor – (1101, 1102, 1103 & CANTEEN)**					**No. of Levels: 1**	
Dimensions	**Length (m): 49**		**Width (m): 11.84**			**Height (m): # (upto eaves)**	
Existing State of Building							
REF. No.	**Building Component**	**Good[42]**	**Fair[43]**	**Poor[44]**	**Structure Type [45]**	**Comments**	
1	Roof Lining		✓		(timber / concrete / steel / other)		
2	Roof Structure		✓		Timber		
3	Walls		✓		Concrete		
4	Columns		✓		Concrete		
5	Beams		✓		Concrete		
6	Floor		✓		Concrete		
7	Handrails		✓		Steel		
8	Walkway(s)		✓		Concrete		
9	Services – water supply		✓				
10	Available taps for general use		✓			# of taps - 3	Student – tap ratio = #:
11	Services – electricity		✓				
12	Services – communication (internet)		✓				
13	Drainage		✓				

[42] Good - No additional works / intervention required
[43] Fair - Remedial works required – min CAT 3 standard
[44] Poor - Demolition and replace with new - min CAT 4 standard
[45] Type of structure - Timber/concrete/steel

6. TOILET BLOCKS WC5(GIRLS)

Building Index	**B# - WC6**		
Type:	**MENTION THE CONTENTS OF WASHROOMS AT EACH LEVEL.** • **Ground floor: FEMALE TOILET BLOCK**		**No. of Levels: 1**
Dimensions	**Length (m): 9**	**Width (m): 2.5**	**Height (m): 5.72 (up to eaves)**

Existing State of Building

REF. No.	Building Component	Good[46]	Fair[47]	Poor[48]	Structure Type [49]	Count[50]	Comments
1	~~Toilet Bays – male~~		☒		~~Concrete~~		
2	Toilet Bays – female		☒		Concrete	1	
3	Toilet Partition between boys and girls.		☒		Concrete	7	
4	Shower bay					-	
5	Toilet Bays – accessible		☒				
6	Entry to toilet building		☒			2	
7	Exit to toilet building		☒			2	
8	Menstrual Hygiene facilities		☒			-	
9	Students to **WASH** ratio	Toilet taps5		Male	-	Female	7

Comments

- Fixing of broken doors, windows & Toilet Pan
- Regular maintenance required.
- *Refer to Drone Image on page 7 for location*

[46] Good - No additional works / intervention required
[47] Fair - Remedial works required – min CAT 3 standard
[48] Poor - Demolition and replace with new - min CAT 4 standard
[49] Type of structure - Timber/concrete/steel
[50] Count - Used for identifying number of toilet bays and menstrual hygiene facilities

1. PHOTOGRAPHIC REPORT

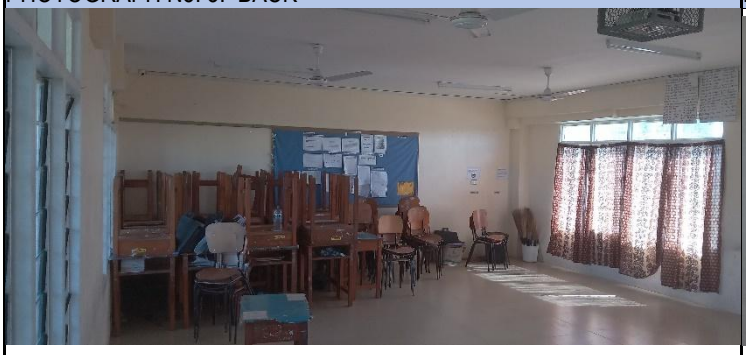
Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**BHAWANI DAYAL ARYA COLLEGE**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B#1 Ground Floor - Classrooms (Year 903,904,905 & S/SC OFFICE)First Floor – Classrooms (901,902 & HAWAN RM)**

PHOTOGRAPH No. 1: FRONT

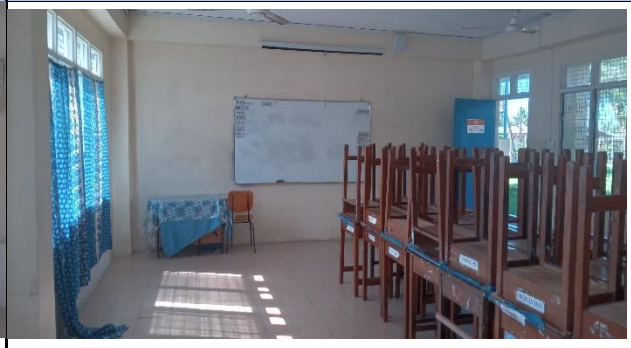
PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

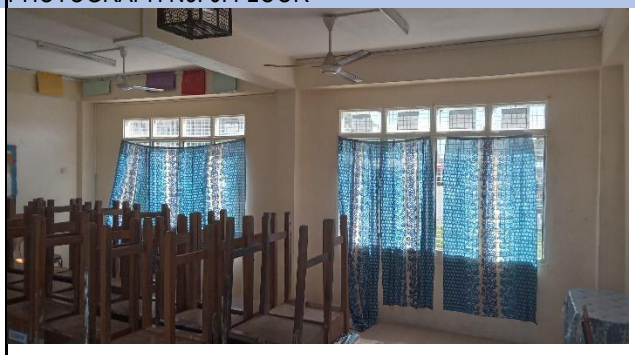


PHOTOGRAPH No. 5: CEILING



PHOTOGRAPH No. 6: FLOOR

PHOTOGRAPH NO 7 - INTERIOR



PHOTOGRAPH NO 8 – WINDOWS

2. PHOTOGRAPHIC REPORT

Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	BHAWANI DAYAL ARYA COLLEGE
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B#2 Ground Floor – 105, CH/LB, H/EC RM,1205, HNDYMAN RM,1204,1203,1202, PMAC DPT, PHY/LAB, PREP RM, 1201 & WC1) First Floor – Classrooms (1004,1003,1002,1001, TYPIST/PRINT, STAFF RM, LIBRAY,1304,1303,1302 & 1301)

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: CEILING

PHOTOGRAPH No. 6: FLOOR

PHOTOGRAPH NO 7 - INTERIOR

PHOTOGRAPH NO 8 – WINDOWS

3. PHOTOGRAPHIC REPORT

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**BHAWANI DAYAL ARYA COLLEGE**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B#3 Ground Floor – (I/ARTS 1, I/ARTS 2 & H/ECO 1)**

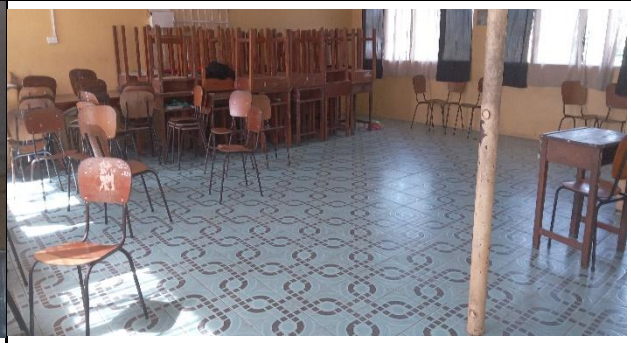
PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

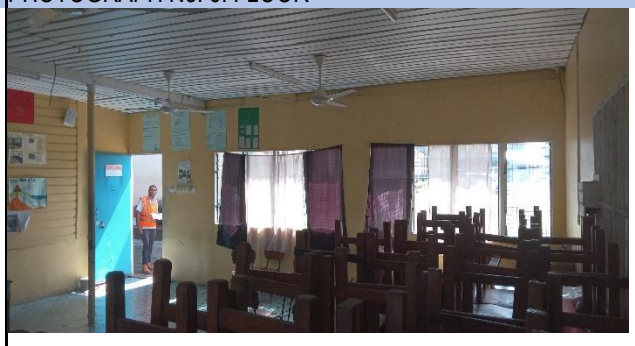
PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: CEILING



PHOTOGRAPH No. 6: FLOOR

PHOTOGRAPH NO 7 - INTERIOR



PHOTOGRAPH NO 8 – WINDOWS

4. PHOTOGRAPHIC REPORT

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**BHAWANI DAYAL ARYA COLLEGE**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B#4 Ground Floor – (SC/STAFF RM, COMMON RM,1105,1104, WC4,)First Floor – (COMP/LAB, MATHS/COM.DEPT, BOOK BANK/VPS OFFICE, WC5)**

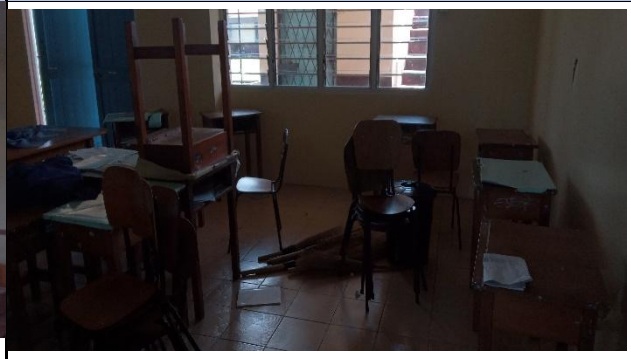
PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

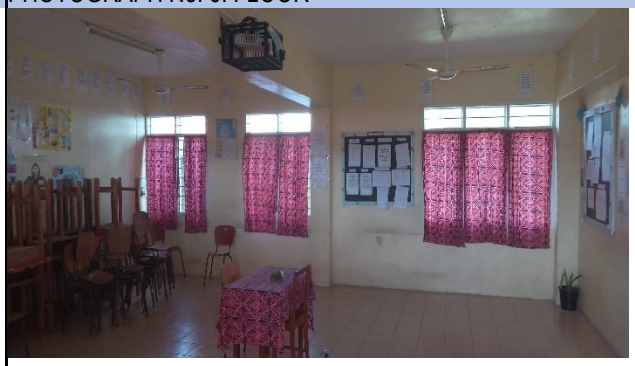
PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: CEILING



PHOTOGRAPH No. 6: FLOOR

PHOTOGRAPH NO 7 - INTERIOR



PHOTOGRAPH NO 8 – WINDOWS

5. PHOTOGRAPHIC REPORT

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**BHAWANI DAYAL ARYA COLLEGE**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B#5 Ground Floor – (1101, 1102, 1103 & CANTEEN)**

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: CEILING

PHOTOGRAPH No. 6: FLOOR

PHOTOGRAPH NO 7 - INTERIOR

PHOTOGRAPH NO 8 – WINDOWS

Appendix B – Excel Scoring Sheet

	WEIGHTED CRITERIA		
1	**PART A - CLASSROOM OVERCROWDING (40%)** **Classrooms facilitating students beyond room capacity, determined through number of students per classroom and classroom size**		
	Good - zero to afew classrooms are accommodating students above capacity.	0 to 23	**17**
	Criteria Item Score		**17.0**
2	**PART B - WASH FACILITIES (20%)** **WASH- Student ratio based on the Fiji National Building Code (FNBC) Infrastructure Standards (10%)**		
	Fair - WASH-Student ratio for school toilet blocks slightly falls below the ratio in the standard specified by FNBC.	6 to 7.9	**6**
2.1	**Quality of facilities and current condition such as funtionality and maintenance (10%)**		
	Fair - school toilet facilities are not maintained well and the physical infrastructure may need repairs or remedial work due to causing moderate distrubances to the end users.	6 to 7.9	**6**
	Criteria Item Score		**12.0**
3	**PART C - CONDITION OF INFRASTRUCTURE (20%)** **Building structure and condition of walls, floors, ceilings, overall structural integrity (10%)**		
	Fair - some building structures require more intervention to improve structural integrity and condition.	6 to 7.9	**6**
3.1	**Maintenance and assessment of the upkeep of facilities including painting and repairs (10%)**		
	Fair - school facilities are not maintained well and the physical infrastructure may need repairs or remedial work due to causing moderate distrubances to the end users.	6 to 7.9	**7**
	Criteria Item Score		**13.0**
4	**PART D - DISABILITY ACCESSIBILITY (10%)** **Accessibility features such as the presence of existing ramps, handrails, accessible toilets etc**		
	Poor - School buildings and facilities do not have accessibility features.	8 to 10	**10**
	Criteria Item Score		**10.0**
5	**PART E - DISASTER RESILIENCE (10%)** **Presence and quality of measures for disaster resilience of buildings including structural measures, cyclone shutters and fire safety systems**		
	Good - most or all school buildings structures are resilient to natural disasters and have partial safety systems in place. More systems or structural intervention would need to be implemented	0 to 5.9	**5**
	Criteria Item Score		**5.0**
	TOTAL CRITERIA SCORE		**57.0**

Appendix C – Land Available for Expansion

Australian Government
Department of Foreign Affairs and Trade

TETRA TECH

Disasters DO Happen
Are YOU Prepared?

NRW MACALLAN (FIJI) LTD
CONSULTING ENGINEERS

NRW MACALLAN (FIJI) LTD
CONSULTING ENGINEERS
CIVIL, STRUCTURAL, ELECTRICAL, MECHANICAL & PROJECT MAMAGEMENT
79 RATU MARA ROAD, SAMABULA, SUVA.
P O BOX 1208, SUVA. PHONE: (679) 3313 388, FAX (679) 3302903
EMAIL: info@nrwmacallan.com.fj

SCHOOL NAME:

BHAWANI DAYAL ARYA COLLEGE

12/11/2024 09.44am