INFRASTRUCTURE ASSESSMENT AUDIT FOR SUVA – NAUSORI URBAN SCHOOLS

DUDLEY HIGH SCHOOL (REG 2352)

SUMMARY REPORT

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1) INSPECTION SUMMARY

School Inspection Summary	
School name:	DUDLEY HIGH SCHOOL
Overall condition state:	FAIR
Key recommendations:	
- Overcrowding – 11 new classrooms required based on FNBC standards. - Overcrowding – 6 new classrooms required based on recommended sizing (1.5m^2) - It is highly recommended that Block 5-10 be demolished and rebuilt, as the building age stands at 70-100 years old. - WASH – 10 new toilet cubicles required for girls and 2 required for boys / 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: • Missing ramps (All buildings) • Inconsistent stairway width • Upkeep of wash facilities needs priority.	

Aerial view of school

General view of school

School type:	**Primary**		**Secondary**	✓	**Year levels**	9,10,11,12,13
School address:	16 EDEN STREET TOORAK					
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)**
	387	580	0		19	39
School building arrangement	TOTAL NUMBER OF BUILDINGS: 10 **BLOCK 1** – 2 STOREYS / **BLOCK 2** – 3 STORYS / **BLOCK 3** – 4 STOREYS / **BLOCK 4** – 2 STOREYS / **BLOCK 5 –** 1 STORY / **BLOCK 6 – 1** STORY/ **BLOCK 7 – 2** STORY/ **BLOCK 8 –** 1 STORY/ **BLOCK 9 – 2** STORY/ **BLOCK 10 – 1** STORY					
Local government area:	TOORAK ROAD					
Date of inspection:	1ST JULY 2024 & 21ST AUGUST 2024					
Inspection team:	RAJIV KUMAR FREDDY TURAQA ALEKSIO MANOA LAITE TELAWA					
Data collection methods	Visual inspection	✓	Onsite measurement	✓		
	Interviews with school staff	✓	Drone / aerial imagery	✓		
	Survey form	✓	Desktop research	✓		
	Other:					
Assumptions:	SCHOOL HAS A BOUNDARY PLAN, FEMIS IS UPDATED					
Limitations:	UNAVAILABILITY OF ALL SCHOOL DOCUMENTS SUCH AS BOUNDARY AREA.					

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 6 classrooms are required for Dudley High School.

Year	Stream	Number of students	Current number of classrooms	Number of extra classrooms required based on FNBC on 2024 data
9	901	45	6	2
	902	52		
	903	44		
	904	41		
	905	42		
	906	42		
10	1001	38	6	1
	1002	38		
	1003	40		
	1004	41		
	1005	35		
	1006	41		
11	1101	28	6	1

	1102	33		
	1103	42		
	1104	33		
	1105	33		
	1106	24		
12	1201	28	5	1
	1202	25		
	1203	27		
	1204	38		
	1205	32		
13	1301	34	3	1
	1302	33		
	1303	35		

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
BLOCK 1	62	9.5	7	2	Concrete with cladding on timber framed roof structure	Block 1 – Basement level contains; Boys Toilet (1 Urinal, 4 Toilet, 3 Shower, 4 Hand Basin) – 10.4m x 4.3m, Girls Toilet (7 Toilet, 3 Shower, 3 Hand Basin) – 10.5m x 6m. Block 1 – Ground Floor contains; Chem Lab – 15m x 8.5m, Main Office – 11.8m x 6.5m, YR1203 – 7.3m x 6.5m, YR1202 – 7.3m x 6.5m, YR1201 – 7.3m x 8.5m, Bio Lab – 7.4m x 8.5m. Block 1 – 1st Floor – YR1103 – 7.3m x 8.5m, YR1204 – 7.3m x 6.5m, Yr1205 – 7.3m x 6.5m, YR1301 – 7.3m x 6.5m, YR1302 – 7.3m x 6.5m, YR1303 – 6.9m x 6.5m.
BLOCK 2	29	11	10	3	Concrete with cladding on timber framed roof structure	Block 2 – Ground Floor contains; TD Room 1 – 8.4m x 6.7m, TD Room 2 – 7m x 6.7m, Staff Room – 3.7m x 6.7m, Canteen – 7.3m x 6.7m. Block 2 – 1st Floor – Staff Room – 7.5m x 6.7m, YR1004 – 7m x 6.7m, Staff Lounge – 5.3m x 6.7m, Female Staff Toilet (4 Toilet, 2 Taps) – 3.8m x 3.2m, Male Staff Toilet (2 Toilet, 1 Urinal, 2 Taps) – 3.6m x 3.3m. Block 2 – 2nd Floor – Boardroom – 8.9m x 6.7m, Computer Room 1 – 8.7m x 6.7m, Computer Room 2 – 10.6m x 6.7m.
BLOCK 3	21.5	10	12.5	4	Concrete with cladding on timber framed roof structure	Block 3 – Ground Floor contains; Boys Toilet (4 Toilet, 3 Shower, 1 Urinal) – 7.5m x 3m, Girls Toilet (5 Hand Basin, 6 Toilet, 3 Shower) – 7.5m x 3.4m, PEMAC Room – 3.5m x 8.6m. Block 3 – 1st Floor – YR1003 – 7.3m x 6.6m, YR1002 – 7.4m x 6.6m. Block 3 – 2nd Floor – Lab – 14.8m x 6.6m

						Block 3 – 3rd Floor – YR904 – 7.4m x 6.6m, YR905 – 7.4m x 6.6m.
BLOCK 4	31	10	7	2	Concrete with cladding on timber framed roof structure	Block 4 – Ground Floor: YR901 – 7.5m x 6.6m, YR902 – 7.3m x 6.6m, YR903 – 7.4m x 6.6m, Staffroom – 7.4m x 6.6m. Block 4 – 1st Floor – YR1001 – 7.4m x 6.5m, YR906 – 7.4m x 6.5m, YR1005 – 7.5m x 6.5m, YR1006 – 7.5m x 6.5m..
BLOCK 5	9.4	4	2	1	Timber framed structure with cladding	Block 5 – single floor – 9m x 3.5m
BLOCK 6	13	7	2.5		Timber framed structure with cladding	Block 6 – Ground Floor – PEMAC – 8.2m x 5.5m, Staffroom – 5.7m x 5.5m, Special Rm (Agri) – 6.4m x 5.7m
BLOCK 7	36	6.5	5.5	2	Timber framed structure with cladding	Block 7 – Ground Floor – YR1106 – 9m x 5.5m, YR1105 – 5.9M X 5.5M, Boys Toilet (3WC, 1 Uri, 3 shr) – 6m x 5.5m, Sick Bay – 9m x 5.5m. Block 7 – 1st Floor – YR1102 – 8.5m x 5.5m, Special 2 Bedroom Apartment – 9m x 5.5m
BLOCK 8	10	9	3	1	Timber framed structure with cladding	Block 8 – Ground Floor – Staffroom 7.5m x 7.3m,
BLOCK 9	31	10	5.5	2	Timber framed structure with cladding	Block 9 – Ground Floor – Home Economics 14.3m x 7.45m, Toolroom – 7.3m x 7.45m. Block 9 – 1st Floor – YR1104 – 6.5m x 7.4m, YR1101 – 7m x 7.4m. Girls Wash Room (6 WC, 1 HB, 3 Shower) – 6.5m x 4.8m, Toolroom – 12.5m x 7.4m.
BLOCK 10	12.5	7	2.6	1	Concrete structure with cladding on timber framed roof structure.	Block 10 – Ground Floor – Woodwork Room- - 12.2m x 6.3m

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	Poor
General upkeep	Exterior, interior, furniture and fixtures	Good
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** – Block 1-4 – there were no signs of wear and tear on walls. The walls and ceiling were well painted. While Block 5-10 requires demolition and rebuilding.
- **Floors and Foundation** – the floor and foundation for the entire school is found to be stable. There were no visible or sign of cracks or uneven surface. All wooden structures requires demolition and replacement.

- **Roofs** – the school reported that there are no leaks. 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 –** applicable as a building 3 is a 4-story building.
- **Cyclone** – Block 1-4 is safe, while Block 5-10 is a matter of concern.

Existing Conditions of Building and Maintenance

- **Exterior – for Block 1-4 -** the building is in fair condition as the wall, beam, column, window seal, doors, eaves, fascia boards and gutters are intact and coated with paint. The school executes periodical maintenance. While, for Block 1-5 – major upgrade is required. Potentially, demolition and rebuilt.
- **Interior – for Block 1-4 -** 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. While, for Block 1-5 – major upgrade is required. Potentially, demolition and rebuilt.
- **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. No fire hydrants and alarm systems were found. 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

Mahatma Gandhi Memorial High School has 3 blocks with toilet facilities. The facilities had no major defects, except for the up keep of the facilities

TOILET CUBICLE(S)	No. of Cubicles		Toilet Ratio (1 cubicle: students)		Compliance of Student to Toilet Cubicle Ratio (FNBC).	
Building Index	Female	Male	Female	Male	Female Requirement (1:20) Extra Toilets?	Male Requirement (1:30) Extra Toilets?
Block 1 2 3 7 9	19	11	31	36	10	2
HAND BASINS IN THE TOILET	No. of Hand Basins		Handbasin Ratio 1:		Compliance of Student to Hand Basin Ratio (FNBC).	
Building Index	Female	Male	Female	Male	Female Requirement (1:60)	Male Requirement (1:60)

					Extra Handbasins?	Extra Handbasins?
Block 1 2 3 7 9	9	6	65	65	1	1
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						
Entire school	25		39		0	

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 centrally located, allowing easy access to main streets and relief services.

Structural

- Material Quality: Block 1-4, The school buildings are constructed using reinforced concrete and follow acceptable engineering design principles. While block 5-10, are constructed out of timber, that has 70-100 years of age. Therefore, it is highly recommended for the building to be demolished and rebuilt..
- Structural Integrity: Buildings have demonstrated the capability to withstand and recover from natural disasters like earthquakes, category 3 cyclones, and floods, for Block 1-4, while no rating is provided for block 5-10.

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 do not have wide doorways and ramps 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.

➢ SUMMARY OF FINDINGS

The following summarizes the individual characteristics assessed during the Suva-Nausori school audit for Jai Narayan 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. - 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 for Block 1-4. Block 5-10 requires immediate demolition and rebuilt. - General upkeep –requires immediate intervention to major defects at block 5-10. - 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 967 roll/26 classrooms of 38 students.	- FNBC 1990 requires classroom occupancy to have $2m^2$ per person. Based on that, the required roll per classroom was calculated.	- 18/26 classrooms were accommodating more roll than required. - Given the recommended sizing ($1.5m^2$), about 6 extra classrooms are required to address overcrowding in school.

Water Sanitation Hygiene (WASH) facilities	Toilets (students: Cubicle) - Boys – 36:1 (11 cubicles) - Girls – 31:1 (19 cubicles) Taps (students: tap) - Students – 39:1 (24 taps) - Menstrual Hygiene was present in every female washroom block	Toilets Ratio (students: Cubicle) - Boys – 30:1 (13 cubicles) - Girls – 20:1 (29 cubicles) Taps Ratio (students: tap) - Students – 60:1 (17 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	- The boys toilet ratio exceeded the FNBC requirement indicating not enough toilet cubicles are in the school. Given the roll of boys, a total of 2 extra cubicles is required. - The girls toilet ratio exceeded the FNBC requirement indicating not enough toilet cubicles are in the school. Given the roll of girls, a total of 10 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 are showing rust. - 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. - Stairway – average 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 - Walkway clearance - minimum 1.8m. - 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)	The following facilities are missing. - Ramps and elevators for vertical access - Wide doorways and clear pathways - Proper signage - Wheelchair-accessible restrooms - Grab bars - Proper signage - Inclusive seating areas and pathways - Proper lighting - Contrasting floor materials

7) RECOMMENDATIONS

- In order to comply with the FNBC, the school will require the following:
  - Classrooms: An additional 11 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 10 cubicles for girls and 2 cubicles for boys are required, equipped with up-to-date WASH facilities (handbasins), catering particularly to the needs of female 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 in par 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.

8) COMPLIANCE

Upon inspecting Jai Narayan College, the following conclusions were drawn:

- **MEHA Compliance:** Compliant
- **WASH Facilities:** The school has ample taps. Additional 10 girls toilet cubicles and 2 boys toilet cubicles required to comply with FNBC 1990.
- **Land Availability:** There is sufficient land for additional.
- **NFA Compliance:** Compliant with NFA basic guidelines but does not have NFA certification.
- **WAF Compliance:** Adequate water supply, but no 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

9) APPENDIX

Appendix A - 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 SCHOOLS

DUDLEY HIGH SCHOOL (REG 2352)

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 Safety
NFA	National Fire Authority
WAF	Water Authority of Fiji
FNBC	Fiji's National Building Code 1990
NDMO	National Disaster Management Office
EFL	Energy Fiji Limited

1) SCHOOL BACKGROUND

The old baka (banyan) tree at Delai Turaki stands as the lasting testament of it's founding mother. Under the shade of the enormous landmark of Toorak in Suva, Methodist missionary Hannah Dudley conducted classes in Hindi and Urdu for the poor and the neglected members of the Indian Community. Miss Dudley arrived in Fiji from Australia on August 24, 1897 and began a mission which would last 13 years, most in what was regarded at the time as the Indian quarter in Suva. From Toorak her work reached out towards Nausori as she taught the young and administered to the sick.

Her love for and dedication towards this community stemmed perhaps from the fact that she was forced to quit India after six years of mission work due to ill health. Despite several attempts to return to the mission field on the sub – continent Miss Dudley was refused permission by the British Methodist Missionary Society. Upon hearing that was a need for missionaries to the Indian community in Fiji, she leapt at the opportunity. This missionary had a few educational qualifications but what Miss Dudley had lacked in knowledge she made up for kindness and self-sacrifice.

In such high regard was she held that the Indian community in Suva including the non-Methodist referred to her as Maharaji Mataji (Our Honoured mother). Her work with the Indian community did not end with education and preaching the Gospel. Miss Dudley took in five children whom she reared as her own, one of them rising to become the President of the New Zealand Methodist conference in 1956. The Methodist Church named Dudley High School – initially a school for young Indian women – in Honor of this dedicated missionary.

After extending its hostel intake to rural indigenous girls and opened its doors to boys in 1964, it stands today at the corner of Amy, Holland and Eden Street in Toorak as a proud symbol of a diverse, multiracial, multicultural educational institution. When the roots of the old tree started to threaten the existence of the school, a proposal to bring it down was vigorously challenged. All efforts that were made to bring it down failed and this old tree still stands till today. And it was under this tree that the nurturing of doctors, scientists, lawyers, teachers, engineers, economist, journalist, business people, sports stars and many other professions were held.

Table 1: SCHOOL DETAILS

NAME OF SCHOOL	DUDLEY HIGH SCHOOL
SCHOOL REGISTRATION NUMBER	2352
SCHOOL LOCATION	16 EDEN STREET TOORAK
SCHOOL TYPE	SECONDARY
FEEDER SCHOOL	DUDLEY INTERMEDIATE SCHOOL
DATE OF INSPECTION	1ST JULY 2024 & 21ST AUGUST 2024
MILESTONE	27/ 86 SCHOOLS
INSPECTED BY (TEAM 4)	RAJIV KUMAR (RK)
	FREDDY TURAQA (FT)
	ALEKSIO MANOA (AM)
	LAITE TELAWA (LT)

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	387	580	**967**	0	19	39	58	• 26 classrooms • Student to stream is 967 roll / 26 classrooms = 38 :1 for 2024 school calendar • Total taps count = 25 - WASH ratio (Taps) = 39:1 < 60:1 • WASH ratio (Toilets) - total boys toilet cubicle count = 11 - Male = 36:1 = 30:1 - total girls toilet cubicle count = 19 - Female = 31:1 > 20:1 • EVACUATION CENTRE = NO
2023	320	594	**914**	0	19	41	60	
2022	381	530	**911**	0	19	41	60	
2021	369	555	**924**	0	18	42	60	
2020	396	596	**992**	0	16	40	56	
2019	424	636	**1060**	0	19	38	57	

Table 3: 2024 CLASSROOM ENROLLMENT DETAILS

GRADE	CLASS NUMBER	TOTAL STUDENT ROLL	NUMBER OF TEACHERS	DIMENSIONS (m)		ACCESS WAY COUNT		OVERCROWDING
				LENGTH	WIDTH	NO. OF DOORS	NO. OF WINDOWS	
Year 9	901	45	9	7.5	6.6	1	14	☒YES ☐NO
	902	52	9	7.3	6.6	1	14	☒YES ☐NO
	903	44	9	7.4	6.6	1	14	☒YES ☐NO
	904	41	9	7.4	6.6	1	12	☒YES ☐NO
	905	42	9	7.4	6.6	1	12	☒YES ☐NO
	906	42	9	7.4	6.5	1	14	☒YES ☐NO
Year 10	1001	38	9	7.4	6.5	1	14	☒YES ☐NO
	1002	38	9	7.4	6.6	1	12	☒YES ☐NO
	1003	40	9	7.3	6.6	1	12	☒YES ☐NO
	1004	41	9	7	6.7	1	18	☒YES ☐NO
	1005	35	9	7.5	6.5	1	14	☒YES ☐NO
	1006	41	9	7.5	6.5	1	14	☒YES ☐NO
Year 11	1101	28	7	7	7.4	1	15	☐YES ☒NO
	1102	33	7	8.5	5.5	1	10	☒YES ☐NO
	1103	42	7	7.3	8.5	1	12	☐YES ☒NO
	1104	33	7	6.5	7.4	1	15	☐YES ☒NO
	1105	33	7	9	5.5	1	9	☒YES ☐NO
	1106	24	7	5.9	5.5	1	12	☐YES ☒NO
Year 12	1201	28	7	7.3	6.5	1	14	☐YES ☒NO
	1202	25	7	7.3	6.5	1	14	☐YES ☒NO
	1203	27	7	7.3	6.5	1	14	☐YES ☒NO
	1204	38	7	7.3	6.5	1	14	☒YES ☐NO
	1205	32	7	7.3	6.5	1	14	☐YES ☒NO
Year 13	1301	34	7	7.3	6.5	1	14	☒YES ☐NO
	1302	33	7	7.3	6.5	1	14	☒YES ☐NO
	1303	35	7	6.9	6.5	1	14	☒YES ☐NO

2) SCHOOL SITE PLAN (DRONE IMAGERY OF SCHOOL)

AERIAL VIEW

LEGEND

B#	BUIDLINGS	DR#	PONDS/CREEKS/DRAINAGE
PG#	PLAYGROUND	H#	HOSTELS
WC#	TOILETS	ST#	STAFF QUARTERS
T#	TAP / WASH AREA	F#	DINING/FOOD AREA
WS#	WATER STORAGE FACILITY	EFL#	EFL POSTS/ JUNCTION BOX
SEP#	SEPTIC TANK	CP	CAR PARK
LA#	LAND AVAILABILITY	WW#	WALKWAY

3) VISUAL INSPECTION RESULTS

a) EXISTING BUILDING INFORMATION

Table 4: EXISTING BUILDING INFORMATION FOR BLOCK 1

Building Index	**BLOCK 1**		**Year built: - 1964 (Age: 60)**
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Basement – Girls Toilet and Boys Toilet,** ➢ **Ground Floor – Labs, Classrooms and Main Office** ➢ **1st Floor – Classrooms and Library.**		**No. of Levels: 2**
Dimensions	**Length (m):62**	**Width (m): 9.5m**	**Height (m): 7**

Existing State of Building

REF. No.	Building Component	Good [1]	Fair[2]	Poor[3]	Structure Type [4]	Comments	
1	Roof Lining	✓			Matel Cladding	Roof needs a paint job	
2	Roof Structure	✓			Timber Frame	Connection Concealed	
3	Walls	✓			Concrete & Timber	No Sign of Cracks. Paint Finish	
4	Columns	✓			Concrete	No Sign of Cracks. Paint Finish	
5	Beams	✓			Concrete	No Sign of Cracks. Paint Finish	
6	Floor	✓			Concrete	No Sign of Cracks. Paint Finish	
7	Handrails	✓			Metal pipes	Safe height, need painting	
8	Walkway(s)	✓			Concrete	2m walkway and 2 stairs	
9	Services – water supply	✓				Connected to WAF Grid with Back up Water Tanks	
10	Available taps for general use	✓				1 of taps	Student – tap ratio = 40: 1
11	Services – electricity	✓				Connected to EFL grid	
12	Services – communication	✓				Internet limited to Computer Labs; Adequate PA system installed. Safety signs displayed	
13	Drainage	✓				All Drainage directed to SCC Drains	

Block 1 is constructed out of concrete beams and column with slab on ground and suspended floor slab for 1st, floor. Block walls for external load bearing for basement. Partition walls are split in to 2 types, it is either concrete or timber framed. Doors and windows present on length wise of the structure. Gable roof with metal cladding, old building with timber framed. Staircase present at both ends of the building. The steps are 140mm rise and 340mm run. Ventilation is satisfactory with adequate lighting. irrespective of old structure, classrooms are well maintained.

Block 01 is not a disable friendly, all office, classrooms, entry and exit points has floor split levels. There is a presence of fire extinguishers but require maintenance. Classrooms has fan and adequate exterior and interior electricity lighting. All switches are working

Block 1 – Basement level contains; Boys Toilet (1 Urinal, 4 Toilet, 3 Shower, 4 Hand Basin) – 10.4m x 4.3m, Girls Toilet (7 Toilet, 3 Shower, 3 Hand Basin) – 10.5m x 6m.

Block 1 – Ground Floor contains; Chem Lab – 15m x 8.5m, Main Office – 11.8m x 6.5m, YR1203 – 7.3m x 6.5m, YR1202 – 7.3m x 6.5m, YR1201 – 7.3m x 8.5m, Bio Lab – 7.4m x 8.5m.Block 1 – 1st Floor – YR1103 – 7.3m x 8.5m, YR1204 – 7.3m x 6.5m, Yr1205 – 7.3m x 6.5m, YR1301 – 7.3m x 6.5m, YR1302 – 7.3m x 6.5m, YR1303 – 6.9m x 6.5m.

[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

Table 5: EXISTING BUILDING INFORMATION FOR BLOCK 2

Building Index	BLOCK 2				Year built: - 1964 (Age: 60)	
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – TD Rooms, Staff Room and Canteen ➢ 1st Floor – Staff Room, Classroom, Lounge, Teachers Wash Rooms ➢ 2nd Floor – Board Room, 2 Computer Labs					No. of Levels: 3
Dimensions	Length (m):29		Width (m): 11		Height (m): 10	

Existing State of Building

REF. No.	Building Component	Good [5]	Fair[6]	Poor[7]	Structure Type [8]	Comments	
1	Roof Lining	✓			Matel Cladding	Roof needs a paint job	
2	Roof Structure	✓			Timber Frame	Connection Concealed	
3	Walls	✓			Concrete & Timber	No Sign of Cracks. Paint Finish	
4	Columns	✓			Concrete	No Sign of Cracks. Paint Finish	
5	Beams	✓			Concrete	No Sign of Cracks. Paint Finish	
6	Floor	✓			Concrete	No Sign of Cracks. Paint Finish	
7	Handrails	✓			Metal pipes	Safe height, need painting	
8	Walkway(s)	✓			Concrete	2m walkway and 2 stairs	
9	Services – water supply	✓				Connected to WAF Grid with Back up Water Tanks	
10	Available taps for general use	✓				1 of taps	Student – tap ratio = 40: 1
11	Services – electricity	✓				Connected to EFL grid	
12	Services – communication	✓				Internet limited to Computer Labs; Adequate PA system installed. Safety signs displayed	
13	Drainage	✓				All Drainage directed to SCC Drains	

Block 2 is constructed out of concrete beams and column with slab on ground and suspended floor slab for 1st and 2nd floors. Block walls for external load bearing for basement. Partition walls are split in to 2 types, it is either concrete or timber framed. Doors and windows present on length wise of the structure. Gable roof with metal cladding, old building with timber framed. Staircase present at both ends of the building. The steps are 140mm rise and 340mm run. Ventilation is satisfactory with adequate lighting. irrespective of old structure, classrooms are well maintained.

Block 2 is not a disable friendly, all office, classrooms, entry and exit points has floor split levels. There is a presence of fire extinguishers but require maintenance. Classrooms has fan and adequate exterior and interior electricity lighting. All switches are working

Block 2 – Ground Floor contains; TD Room 1 – 8.4m x 6.7m, TD Room 2 – 7m x 6.7m, Staff Room – 3.7m x 6.7m, Canteen – 7.3m x 6.7m.

Block 2 – 1st Floor – Staff Room – 7.5m x 6.7m, YR1004 – 7m x 6.7m, Staff Lounge – 5.3m x 6.7m, Female Staff Toilet (4 Toilet, 2 Taps) – 3.8m x 3.2m, Male Staff Toilet (2 Toilet, 1 Urinal, 2 Taps) – 3.6m x 3.3m.

Block 2 – 2nd Floor – Boardroom – 8.9m x 6.7m, Computer Room 1 – 8.7m x 6.7m, Computer Room 2 – 10.6m x 6.7m.

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

Table 6: EXISTING BUILDING INFORMATION FOR BLOCK 3

Building Index	**BLOCK 3**		**Year built: - 1964 (Age: 60)**
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Ground Floor – Girls and Boys Wash Room and PEMAC Room** ➢ **1st Floor –Classrooms** ➢ **2nd Floor – Lab** ➢ **3rd Floor - Classrooms**		**No. of Levels: 4**
Dimensions	**Length (m):21.50**	**Width (m): 10**	**Height (m): 12.5**

Existing State of Building

REF. No.	Building Component	Good[9]	Fair[10]	Poor[11]	Structure Type[12]	Comments	
1	Roof Lining	✓			Matel Cladding	Roof needs a paint job	
2	Roof Structure	✓			Timber Frame	Connection Concealed	
3	Walls	✓			Concrete & Timber	No Sign of Cracks. Paint Finish	
4	Columns	✓			Concrete	No Sign of Cracks. Paint Finish	
5	Beams	✓			Concrete	No Sign of Cracks. Paint Finish	
6	Floor	✓			Concrete	No Sign of Cracks. Paint Finish	
7	Handrails	✓			Metal pipes	Safe height, need painting	
8	Walkway(s)	✓			Concrete	2m walkway and 1 stair Case	
9	Services – water supply	✓				Connected to WAF Grid with Back up Water Tanks	
10	Available taps for general use	✓				5 of taps	Student – tap ratio = 40: 1
11	Services – electricity	✓				Connected to EFL grid	
12	Services – communication	✓				Internet limited to Computer Labs; Adequate PA system installed. Safety signs displayed	
13	Drainage	✓				All Drainage directed to SCC Drains	

Block 3 is constructed out of concrete beams and column with slab on ground and suspended floor slab for 1st, 2nd and 3rd floors. Block walls for external load bearing for basement. Partition walls are split in to 2 types, it is either concrete or timber framed. Doors and windows present on length wise of the structure. Gable roof with metal cladding, old building with timber framed. Staircase present at both ends of the building. The steps are 140mm rise and 340mm run. Ventilation is satisfactory with adequate lighting. irrespective of old structure, classrooms are well maintained.

Block 3 is not a disable friendly, all office, classrooms, entry and exit points has floor split levels. There is a presence of fire extinguishers but require maintenance. Classrooms has fan and adequate exterior and interior electricity lighting. All switches are working

Block 3 – Ground Floor contains; Boys Toilet (4 Toilet, 3 Shower, 1 Urinal) – 7.5m x 3m, Girls Toilet (5 Hand Basin, 6 Toilet, 3 Shower) – 7.5m x 3.4m, PEMAC Room – 3.5m x 8.6m.

Block 3 – 1st Floor – YR1003 – 7.3m x 6.6m, YR1002 – 7.4m x 6.6m.

Block 3 – 2nd Floor – Lab – 14.8m x 6.6m

Block 3 – 3rd Floor – YR904 – 7.4m x 6.6m, YR905 – 7.4m x 6.6m.

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

Table 7: EXISTING BUILDING INFORMATION FOR BLOCK 4

Building Index	BLOCK 4				Year built: - 1964 (Age: 60)	
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – Classrooms and Main Office ➢ 1st Floor – Classrooms and Library.					No. of Levels: 2
Dimensions	Length (m):31	Width (m): 10m			Height (m): 7	
Existing State of Building						
REF. No.	Building Component	Good [13]	Fair[14]	Poor [15]	Structure Type [16]	Comments
1	Roof Lining	✓			Matel Cladding	Roof needs a paint job
2	Roof Structure	✓			Timber Frame	Connection Concealed
3	Walls	✓			Concrete & Timber	No Sign of Cracks. Paint Finish
4	Columns	✓			Concrete	No Sign of Cracks. Paint Finish
5	Beams	✓			Concrete	No Sign of Cracks. Paint Finish
6	Floor	✓			Concrete	No Sign of Cracks. Paint Finish
7	Handrails	✓			Metal pipes	Safe height, need painting
8	Walkway(s)	✓			Concrete	2m walkway and a stair case
9	Services – water supply	✓				Connected to WAF Grid with Back up Water Tanks
10	Available taps for general use	✓				4 of taps / Student – tap ratio = 40: 1
11	Services – electricity	✓				Connected to EFL grid
12	Services – communication	✓				Internet limited to Computer Labs; Adequate PA system installed. Safety signs displayed
13	Drainage	✓				All Drainage directed to SCC Drains

Block 4 is constructed out of concrete beams and column with slab on ground and suspended floor slab for 1st, floor. Block walls for external load bearing for basement. Partition walls are split in to 2 types, it is either concrete or timber framed. Doors and windows present on length wise of the structure. Gable roof with metal cladding, old building with timber framed. Staircase present at both ends of the building. The steps are 140mm rise and 340mm run. Ventilation is satisfactory with adequate lighting. irrespective of old structure, classrooms are well maintained.

Block 4 is not a disable friendly, all office, classrooms, entry and exit points has floor split levels. There is a presence of fire extinguishers but require maintenance. Classrooms has fan and adequate exterior and interior electricity lighting. All switches are working

Block 4 – Ground Floor: YR901 – 7.5m x 6.6m, YR902 – 7.3m x 6.6m, YR903 – 7.4m x 6.6m, Staffroom – 7.4m x 6.6m.

Block 4 – 1st Floor – YR1001 – 7.4m x 6.5m, YR906 – 7.4m x 6.5m, YR1005 – 7.5m x 6.5m, YR1006 – 7.5m x 6.5m..

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

Table 8: EXISTING BUILDING INFORMATION FOR BLOCK 5

Building Index	BLOCK 5				Year built: - 1930'S	
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – HOD Office					No. of Levels: 1
Dimensions	Length (m):9.4	Width (m): 4			Height (m): 2	
Existing State of Building						
REF. No.	Building Component	Good [17]	Fair[18]	Poor [19]	Structure Type [20]	Comments
1	Roof Lining		✓		Matel Cladding	Roof needs a paint job
2	Roof Structure		✓		Timber Frame	Connection Concealed
3	Walls		✓		Timber	Well maintained
4	Columns					
5	Beams					
6	Floor		✓		Timber	With Tile finish
7	Handrails					
8	Walkway(s)					
9	Services – water supply		✓			Connected to WAF Grid with Back up Water Tanks
10	Available taps for general use		✓			0 of taps — Student – tap ratio = 40: 1
11	Services – electricity		✓			Connected to EFL grid
12	Services – communication		✓			Internet limited to Computer Labs; Adequate PA system installed. Safety signs displayed
13	Drainage		✓			All Drainage directed to SCC Drains

Block 5 is constructed out of timber and roof cladding. Metal roof cladding is installed on timber framed roof members. Cement boad is installed on timber framed wall members. Along with fixed glass. Timber floor lining installed on timber floor members on pile pole anchored to the ground, with tile finish on timber lining. The office is airconditioned.

Block 5 is not a disable friendly.

Block 5 – single floor – 9m x 3.5m

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

Table 9: EXISTING BUILDING INFORMATION FOR BLOCK 6

Building Index	BLOCK 6				Year built: - 1930'S	
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – PEMAC, Staffroom, Special room					No. of Levels: 1
Dimensions	Length (m):13	Width (m): 7			Height (m): 2.5	
Existing State of Building						
REF. No.	Building Component	Good [21]	Fair[22]	Poor [23]	Structure Type [24]	Comments
1	Roof Lining		✓		Matel Cladding	Roof needs a paint job
2	Roof Structure		✓		Timber Frame	Connection Concealed
3	Walls		✓		Timber	Weather board
4	Columns					
5	Beams					
6	Floor		✓		Timber	
7	Handrails					
8	Walkway(s)					
9	Services – water supply		✓			Connected to WAF Grid with Back up Water Tanks
10	Available taps for general use		✓			0 of taps — Student – tap ratio = 40: 1
11	Services – electricity		✓			Connected to EFL grid
12	Services – communication		✓			Internet limited to Computer Labs; Adequate PA system installed. Safety signs displayed
13	Drainage		✓			All Drainage directed to SCC Drains

Block 6 is constructed out of timber and roof cladding. Metal roof cladding is installed on timber framed roof members. Weather Board is installed on timber framed wall members Timber floor lining installed on timber floor members on pile pole anchored to the ground. Ventilation is satisfactory with adequate lighting. irrespective of old structure, classrooms are well maintained.

Block 6 is not a disable friendly.

Block 6 – Ground Floor – PEMAC – 8.2m x 5.5m, Staffroom – 5.7m x 5.5m, Special Rm (Agri) – 6.4m x 5.7m

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

Table 10: EXISTING BUILDING INFORMATION FOR BLOCK 7

Building Index	BLOCK 7				Year built: - 1930'S	
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – Classroom, Apartment ➢ 1st Floor - Sick Bay, Boys Washroom, Classroom					No. of Levels: 2
Dimensions	Length (m):36	Width (m): 6.5			Height (m): 5.5	
Existing State of Building						
REF. No.	Building Component	Good [25]	Fair[26]	Poor [27]	Structure Type [28]	Comments
1	Roof Lining		✓		Matel Cladding	Roof needs a paint job
2	Roof Structure		✓		Timber Frame	Connection Concealed
3	Walls		✓		Timber	Very old building
4	Columns					
5	Beams				Timber	
6	Floor		✓		Timber	
7	Handrails					
8	Walkway(s)					
9	Services – water supply		✓			Connected to WAF Grid with Back up Water Tanks
10	Available taps for general use		✓			0 of taps / Student – tap ratio = 40: 1
11	Services – electricity		✓			Connected to EFL grid
12	Services – communication		✓			Internet limited to Computer Labs; Adequate PA system installed. Safety signs displayed
13	Drainage		✓			All Drainage directed to SCC Drains

Block 7 is constructed out of timber and roof cladding. Metal roof cladding is installed on timber framed roof members. Cement board is installed on timber framed wall members. Along with fixed glass. Timber floor lining installed on timber floor members on pile pole anchored to the ground. Ventilation is satisfactory with adequate lighting. irrespective of old structure, classrooms are well maintained.

Block 5 is not a disable friendly.

Block 7 – Ground Floor – YR1106 – 9m x 5.5m, YR1105 – 5.9M X 5.5M, Boys Toilet (3WC, 1 Uri, 3 shr) – 6m x 5.5m, Sick Bay – 9m x 5.5m.

Block 7 – 1st Floor – YR1102 – 8.5m x 5.5m, Special 2 Bedroom Apartment – 9m x 5.5m

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

Table 11: EXISTING BUILDING INFORMATION FOR BLOCK 8

Building Index	BLOCK 8				Year built: - 1930'S	
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – Staff room					No. of Levels: 1
Dimensions	Length (m):10	Width (m):9			Height (m): 3	
Existing State of Building						
REF. No.	Building Component	Good [29]	Fair[30]	Poor [31]	Structure Type [32]	Comments
1	Roof Lining		✓		Matel Cladding	Roof needs a paint job
2	Roof Structure		✓		Timber Frame	Connection Concealed
3	Walls		✓		Timber	Very old building
4	Columns					
5	Beams				Timber	
6	Floor		✓		Timber	
7	Handrails					
8	Walkway(s)					
9	Services – water supply		✓			Connected to WAF Grid with Back up Water Tanks
10	Available taps for general use		✓			0 of taps — Student – tap ratio = 40: 1
11	Services – electricity		✓			Connected to EFL grid
12	Services – communication		✓			Internet limited to Computer Labs; Adequate PA system installed. Safety signs displayed
13	Drainage		✓			All Drainage directed to SCC Drains

Block 8 is constructed out of timber and roof cladding. Metal roof cladding is installed on timber framed roof members. Cement board is installed on timber framed wall members. Along with fixed glass. Timber floor lining installed on timber floor members on pile pole anchored to the ground. Ventilation is satisfactory with adequate lighting. irrespective of old structure, classrooms are well maintained.

Block 8 is not a disable friendly.

Block 8 – Ground Floor – Staffroom 7.5m x 7.3m,

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

Table 12: EXISTING BUILDING INFORMATION FOR BLOCK 9

Building Index	**BLOCK 9**				**Year built: - 1930'S**	
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Ground Floor – Home Economics** ➢ **1st Floor - Classroom, toolroom, Girls washroom**					**No. of Levels: 2**
Dimensions	**Length (m):31**		**Width (m): 10**		**Height (m): 5.5**	
Existing State of Building						
REF. No.	**Building Component**	**Good** [33]	**Fair**[34]	**Poor** [35]	**Structure Type** [36]	**Comments**
1	Roof Lining		✓		Matel Cladding	Roof needs a paint job
2	Roof Structure		✓		Timber Frame	Connection Concealed
3	Walls		✓		Timber	Very old building
4	Columns					
5	Beams				Timber	
6	Floor		✓		Timber	
7	Handrails					
8	Walkway(s)					
9	Services – water supply		✓			Connected to WAF Grid with Back up Water Tanks
10	Available taps for general use		✓			0 of taps / Student – tap ratio = 40: 1
11	Services – electricity		✓			Connected to EFL grid
12	Services – communication		✓			Internet limited to Computer Labs; Adequate PA system installed. Safety signs displayed
13	Drainage		✓			All Drainage directed to SCC Drains

Block 9 is constructed out of timber and roof cladding. Metal roof cladding is installed on timber framed roof members. Cement board is installed on timber framed wall members. Along with fixed glass. Timber floor lining installed on timber floor members on pile pole anchored to the ground. Ventilation is satisfactory with adequate lighting. irrespective of old structure, classrooms are well maintained.

Block 9 is not a disable friendly.

Block 9 – Ground Floor – Home Economics 14.3m x 7.45m, Toolroom – 7.3m x 7.45m.

Block 9 – 1st Floor – YR1104 – 6.5m x 7.4m, YR1101 – 7m x 7.4m. Girls Wash Room (6 WC, 1 HB, 3 Shower) – 6.5m x 4.8m, Toolroom – 12.5m x 7.4m.

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

Table 13: EXISTING BUILDING INFORMATION FOR BLOCK 10

Building Index	BLOCK 10				Year built: - 1930'S	
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – Woodwork Room					No. of Levels: 1
Dimensions	Length (m):12.5	Width (m): 7			Height (m): 2.6	
Existing State of Building						
REF. No.	Building Component	Good [37]	Fair[38]	Poor [39]	Structure Type [40]	Comments
1	Roof Lining		✓		Matel Cladding	Roof needs a paint job
2	Roof Structure		✓		Timber Frame	Connection Concealed
3	Walls		✓		Concrete	Very old building
4	Columns				Concrete	
5	Beams				Concrete	
6	Floor		✓		Concrete	
7	Handrails					
8	Walkway(s)					
9	Services – water supply		✓			Connected to WAF Grid with Back up Water Tanks
10	Available taps for general use		✓			0 of taps — Student – tap ratio = 40: 1
11	Services – electricity		✓			Connected to EFL grid
12	Services – communication		✓			Internet limited to Computer Labs; Adequate PA system installed. Safety signs displayed
13	Drainage		✓			All Drainage directed to SCC Drains

Block 10 is constructed out of concrete beams and column with slab on ground floor. Block walls for external load bearing for basement. Partition walls are split in to 2 types, it is either concrete or timber framed. Doors and windows present on length wise of the structure. Gable roof with metal cladding, old building with timber framed. Staircase present at both ends of the building. Ventilation is satisfactory with adequate lighting. irrespective of old structure, classrooms are well maintained.

Block 10 is not a disable friendly.

Block 10 – Ground Floor – Woodwork Room- - 12.2m x 6.3m

[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

b) EXISTING BUILDING AND TOILET BLOCKS ACESS INFORMATION FOR DISABILITY AUDITS

Table 14: EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS FOR BLOCK 1

Building Index	**BLOCK 1**					**Year built: - 1964 (Age: 60)**	
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Basement – Girls Toilet and Boys Toilet,** ➢ **Ground Floor – Labs, Classrooms and Main Office** ➢ **1st Floor – Classrooms and Library.**						**No. of Levels: 2**
Dimensions	**Length (m):62**		**Width (m): 9.5m**			**Height (m): 7**	
Existing State of Building							
REF. No.	**Building Component**	**Good [41]**	**Fair[42]**	**Poor[43]**	**Structure Type [44]**	**Dimensions (m)**	**Comments**
1	Ramps			✓	N/A	N/A	No ramps on site
2	Walkway clearance space	✓			Concrete floor tiled	1.1 – 2	Accessible for wheelchair user
3	Handrails		✓		Steel	0.9	Paint peel and minor rusting.
4	Doors and Door Size (typical)		✓		Timber	0.8 0.6 – 0.9	Interior Door Exterior Door
5	Stairway		✓		Concrete	0.9	Not accessible for wheelchair users

Comments

Ramps

- Absence of ramps throughout the building.

Handrails

- No Handrails present

Doors and Door Size (typical)

- Not accommodating to wheelchair users who require a minimum of 1m clearance.

Stairway

- No accessible to disable students. Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)

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

Table 15: EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS FOR BLOCK 2

Building Index	**BLOCK 2**	**Year built: - 1964 (Age: 60)**
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Ground Floor – TD Rooms, Staff Room and Canteen** ➢ **1st Floor – Staff Room, Classroom, Lounge, Teachers Wash Rooms** ➢ **2nd Floor – Board Room, 2 Computer Labs**	**No. of Levels: 3**
Dimensions	**Length (m):29**	**Width (m): 11** / **Height (m): 10**

Existing State of Building

REF. No.	Building Component	Good [45]	Fair[46]	Poor[47]	Structure Type [48]	Dimensions (m)	Comments
1	Ramps			✓	N/A	N/A	No ramps on site
2	Walkway clearance space	✓			Concrete floor tiled	1.2 - 1.5	Accessible for wheelchair user
3	Handrails		✓		Steel	0.9	major denting at left end.
4	Doors and Door Size (typical)		✓		Timber	0.8	All doors same size.
5	Stairway		✓		Concrete	0.9	Not accessible for wheelchair users

Comments

Ramps

- Absence of ramps throughout the building.

Handrails

- Major damaged/denting and rusting requiring intervention.

Doors and Door Size (typical)

- Not accommodating to wheelchair users who require a minimum of 1m clearance.

Stairway

- No accessible to disable students. Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)

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

Table 16: EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS FOR BLOCK 3

Building Index	**BLOCK 3**		**Year built: - 1964 (Age: 60)**
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Ground Floor – Girls and Boys Wash Room and PEMAC Room** ➢ **1st Floor –Classrooms** ➢ **2nd Floor – Lab** ➢ **3rd Floor - Classrooms**		**No. of Levels: 4**
Dimensions	**Length (m):21.50**	**Width (m): 10**	**Height (m): 12.5**

Existing State of Building

REF. No.	Building Component	Good [49]	Fair[50]	Poor[51]	Structure Type [52]	Dimensions (m)	Comments
1	Ramps			✓	N/A	N/A	No ramps on site
2	Walkway clearance space	✓			Concrete floor tiled	2	Accessible for wheelchair user
3	Handrails		✓		Steel	0.9	Paint peel and partial rusting.
4	Doors and Door Size (typical)		✓		Timber	0.6 0.8	Interior Exterior
5	Stairway		✓		Concrete	0.9	Not accessible for wheelchair users

Comments

Ramps

- Absence of ramps throughout the building.

Handrails

- Paint peel and rusting.

Doors and Door Size (typical)

- Not accommodating to wheelchair users who require a minimum of 1m clearance.

Stairway

- No accessible to disable students. Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)

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

Table 17: EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS FOR BLOCK 4

Building Index	BLOCK 4		Year built: - 1964 (Age: 60)
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – Classrooms and Main Office ➢ 1st Floor – Classrooms and Library.		No. of Levels: 2
Dimensions	Length (m):31	Width (m): 10m	Height (m): 7

Existing State of Building

REF. No.	Building Component	Good [53]	Fair[54]	Poor[55]	Structure Type [56]	Dimensions (m)	Comments
1	Ramps			✓	N/A	N/A	No ramps on site
2	Walkway clearance space	✓			Concrete	2	Accessible for wheelchair user
3	Handrails	✓			Steel	1	Paint peel and surface rusting.
4	Doors and Door Size (typical)		✓		Timber	0.88	all doors
5	Stairway		✓		Concrete	0.9	Not accessible for wheelchair users

Comments

Ramps

- Absence of ramps throughout the building.

Handrails

- Paint peel and surface rusting.

Doors and Door Size (typical)

- Not accommodating to wheelchair users who require a minimum of 1m clearance.

Stairway

- No accessible to disable students. Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)

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

Table 18: EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS FOR BLOCK 5

Building Index	BLOCK 5				Year built: - 1930'S
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – HOD Office				No. of Levels: 1
Dimensions	Length (m):9.4	Width (m): 4			Height (m): 2

Existing State of Building

REF. No.	Building Component	Good [57]	Fair[58]	Poor[59]	Structure Type [60]	Dimensions (m)	Comments
1	Ramps			✓	N/A	N/A	No ramps on site
2	Walkway clearance space	✓			Concrete	2.25	Accessible for wheelchair user
3	Handrails	✓			Steel / concrete	0.9	Paint peel
4	Doors and Door Size (typical)		✓		Timber	0.8 1.2	all classroom doors school hall door
5	Stairway		✓		Concrete	0.9	Not accessible for wheelchair users

Comments

Ramps

- Absence of ramps throughout the building.

Handrails

- Paint peel.

Doors and Door Size (typical)

- Classrooms not accommodating to wheelchair users who require a minimum of 1m clearance.

Stairway

- No accessible to disable students. Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)

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

Table 19: EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS FOR BLOCK 6

Building Index	BLOCK 6		Year built: - 1930'S
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – PEMAC, Staffroom, Special room		No. of Levels: 1
Dimensions	Length (m):13	Width (m): 7	Height (m): 2.5

Existing State of Building

REF. No.	Building Component	Good [61]	Fair[62]	Poor[63]	Structure Type [64]	Dimensions (m)	Comments
1	Ramps			✓	N/A	N/A	No ramps on site
2	Walkway clearance space	✓			Concrete	2.25	Accessible for wheelchair user
3	Handrails	✓			Steel / concrete	0.9	Paint peel
4	Doors and Door Size (typical)		✓		Timber	0.8 1.2	all classroom doors school hall door
5	Stairway		✓		Concrete	0.9	Not accessible for wheelchair users

Comments

Ramps

- Absence of ramps throughout the building.

Handrails

- Paint peel.

Doors and Door Size (typical)

- Classrooms not accommodating to wheelchair users who require a minimum of 1m clearance.

Stairway

- No accessible to disable students. Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)

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

Table 20: EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS FOR BLOCK 7

Building Index	**BLOCK 7**		**Year built: - 1930'S**
Type:	**MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE:** ➢ **Ground Floor – Classroom, Apartment** ➢ **1st Floor - Sick Bay, Boys Washroom, Classroom**		**No. of Levels: 2**
Dimensions	**Length (m):36**	**Width (m): 6.5**	**Height (m): 5.5**

Existing State of Building

REF. No.	Building Component	Good [65]	Fair[66]	Poor[67]	Structure Type [68]	Dimensions (m)	Comments
1	Ramps			✓	N/A	N/A	No ramps on site
2	Walkway clearance space	✓			Concrete	2.25	Accessible for wheelchair user
3	Handrails	✓			Steel / concrete	0.9	Paint peel
4	Doors and Door Size (typical)		✓		Timber	0.8 1.2	all classroom doors school hall door
5	Stairway		✓		Concrete	0.9	Not accessible for wheelchair users

Comments

Ramps

- Absence of ramps throughout the building.

Handrails

- Paint peel.

Doors and Door Size (typical)

- Classrooms not accommodating to wheelchair users who require a minimum of 1m clearance.

Stairway

- No accessible to disable students. Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)

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

Table 21: EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS FOR BLOCK 8

Building Index	BLOCK 8			Year built: - 1930'S
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – Staff room			No. of Levels: 1
Dimensions	Length (m):10	Width (m):9		Height (m): 3

Existing State of Building

REF. No.	Building Component	Good [69]	Fair[70]	Poor[71]	Structure Type [72]	Dimensions (m)	Comments
1	Ramps			✓	N/A	N/A	No ramps on site
2	Walkway clearance space	✓			Concrete	2.25	Accessible for wheelchair user
3	Handrails	✓			Steel / concrete	0.9	Paint peel
4	Doors and Door Size (typical)			✓	Timber	0.8 1.2	all classroom doors school hall door
5	Stairway				Concrete	0.9	Not accessible for wheelchair users

Comments

Ramps

- Absence of ramps throughout the building.

Handrails

- Paint peel.

Doors and Door Size (typical)

- Classrooms not accommodating to wheelchair users who require a minimum of 1m clearance.

Stairway

- No accessible to disable students. Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)

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

Table 22: EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS FOR BLOCK 9

Building Index	BLOCK 9		Year built: - 1930'S
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – Home Economics ➢ 1st Floor - Classroom, toolroom, Girls washroom		No. of Levels: 2
Dimensions	Length (m):31	Width (m): 10	Height (m): 5.5

Existing State of Building

REF. No.	Building Component	Good [73]	Fair[74]	Poor[75]	Structure Type [76]	Dimensions (m)	Comments
1	Ramps			✓	N/A	N/A	No ramps on site
2	Walkway clearance space	✓			Concrete	2.25	Accessible for wheelchair user
3	Handrails	✓			Steel / concrete	0.9	Paint peel
4	Doors and Door Size (typical)			✓	Timber	0.8 1.2	all classroom doors school hall door
5	Stairway			✓	Concrete	0.9	Not accessible for wheelchair users

Comments

Ramps

- Absence of ramps throughout the building.

Handrails

- Paint peel.

Doors and Door Size (typical)

- Classrooms not accommodating to wheelchair users who require a minimum of 1m clearance.

Stairway

- No accessible to disable students. Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)

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

Table 23: EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS FOR BLOCK 10

Building Index	BLOCK 10			Year built: - 1930'S
Type:	MENTION THE CONTENTS OF EACH LEVEL. EXAMPLE: ➢ Ground Floor – Woodwork Room			No. of Levels: 1
Dimensions	Length (m):12.5	Width (m): 7		Height (m): 2.6

Existing State of Building

REF. No.	Building Component	Good [77]	Fair[78]	Poor[79]	Structure Type [80]	Dimensions (m)	Comments
1	Ramps			✓	N/A	N/A	No ramps on site
2	Walkway clearance space	✓			Concrete	2.25	Accessible for wheelchair user
3	Handrails	✓			Steel / concrete	0.9	Paint peel
4	Doors and Door Size (typical)			✓	Timber	0.8 1.2	all classroom doors school hall door
5	Stairway				Concrete	0.9	Not accessible for wheelchair users

Comments

Ramps

- Absence of ramps throughout the building.

Handrails

- Paint peel.

Doors and Door Size (typical)

- Classrooms not accommodating to wheelchair users who require a minimum of 1m clearance.

Stairway

- No accessible to disable students. Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)

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

c) TOILET BLOCKS (BOYS and GIRLS)

Table 24: TOILET BLOCKS (BOYS AND GIRLS) FOR BLOCK 1

Building Index	**BLOCK 1**						
Type:	**Ground floor:** • **Boys Toilet (1 Urinal, 4 Toilet, 3 Shower, 4 Hand Basin) – 10.4m x 4.3m,** • **Girls Toilet (7 Toilet, 3 Shower, 3 Hand Basin) – 10.5m x 6m.**					**No. of Levels: 2**	
Dimensions	**Length (m): Aforementioned**		**Width (m): Aforementioned**			**Height (m): Aforementioned**	
Existing State of Building							
REF. No.	**Building Component**	**Good[81]**	**Fair[82]**	**Poor[83]**	**Structure Type [84]**	**Count [85]**	**Comments**
1	Toilet Bays – male		✓			4	With 1 urinal channels
2	Toilet Bays – female					7	
3	Toilet Partition between boys and girls.		✓				Timber and concrete
4	Shower bay		✓			6	
5	Toilet Bays – accessible		✓				Not disable friendly
6	Entry to toilet building		✓				1 door
7	Exit to toilet building		✓				1 door
8	Menstrual Hygiene facilities					Present	
9	Students to **WASH** ratio	Toilet taps		Male	4	Female	3
Each student water closet cubicles measured to be 1.6m long and width of 1m. all water closet are operational, shall there be any damages or mis-function, handyman of the school is tasked to execute repairs. All cubicles have swing doors on hinges. Whole floor provided with tiles.							

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

Table 25: TOILET BLOCKS (MALE AND FEMALE) FOR BLOCK 2

Building Index	**BLOCK 2**						
Type:	**Ground floor:** • **Female Staff Toilet (4 Toilet, 2 Taps) – 3.8m x 3.2m** • **Male Staff Toilet (2 Toilet, 1 Urinal, 2 Taps) – 3.6m x 3.3m.**						**No. of Levels: 3**
Dimensions	**Length (m): 8**		**Width (m): 6.6**				**Height (m): 2.6**
Existing State of Building							
REF. No.	**Building Component**	**Good[86]**	**Fair[87]**	**Poor[88]**	**Structure Type [89]**	**Count [90]**	**Comments**
1	Toilet Bays – male					2	
2	Toilet Bays – female		✓			4	
3	Toilet Partition between boys and girls.		✓				Concrete
4	Shower bay		✓				
5	Toilet Bays – accessible		✓				Not disable friendly
6	Entry to toilet building		✓				1 door
7	Exit to toilet building		✓				1 door
8	Menstrual Hygiene facilities		✓				Kit present in admin office
9	Students to **WASH** ratio	Toilet taps: 4		Male	2	Female	2
Each water closet cubicles measured to be 1.6m long and width of 1m. all water closet are operational, shall there be any damages or mis-function, handyman of the school is tasked to execute repairs. All cubicles have swing doors on hinges. Whole floor provided with tiles.							

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

Table 26: TOILET BLOCKS (BOYS and GIRLS) FOR BLOCK 3

	BLOCK 3							
Type:	**Ground floor:** • **Boys Toilet (4 Toilet, 3 Shower, 1 Urinal) – 7.5m x 3m** • **Girls Toilet (5 Hand Basin, 6 Toilet, 3 Shower) – 7.5m x 3.4m**							**No. of Levels: 4**
Dimensions	**Length (m): 59**		**Width (m): 11.40**			**Height (m): 2.6**		
Existing State of Building								
REF. No.	**Building Component**	**G ood[91]**	**Fair[92]**	**Poor[93]**	**Structure Type [94]**	**Count [95]**	**Comments**	
1	Toilet Bays – male		✓			4		
2	Toilet Bays – female		✓			6		
3	Toilet Partition between boys and girls.		✓				Concrete	
4	Shower bay		✓			6		
5	Toilet Bays – accessible		✓				Not disable friendly	
6	Entry to toilet building		✓				1 door	
7	Exit to toilet building		✓				1 door	
8	Menstrual Hygiene facilities		✓				Kit present in admin office	
9	Students to **WASH** ratio	Toilet taps: 5		Male	0	Female	5	
Each student water closet cubicles measured to be 1.6m long and width of 1m. all water closet are operational, shall there be any damages or mis-function, handyman of the school is tasked to execute repairs. All cubicles have swing doors on hinges. Whole floor provided with tiles.								

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

Table 27: TOILET BLOCKS (BOYS) FOR BLOCK 7

	BLOCK 7						
Type:	**Ground floor:** • **Boys Toilet (3 Toilet, 1 Urinal, 3 Shower, 2 HB) – 6m x 5.5m**					**No. of Levels: 1**	
Dimensions	**Length (m): 59**		**Width (m): 11.40**			**Height (m): 2.6**	
Existing State of Building							
REF. No.	**Building Component**	**Good[96]**	**Fair[97]**	**Poor[98]**	**Structure Type [99]**	**Count [100]**	**Comments**
1	Toilet Bays – male		✓			3	
2	Toilet Bays – female		✓			-	
3	Toilet Partition between boys and girls.		✓				Concrete
4	Shower bay		✓			3	
5	Toilet Bays – accessible		✓				Not disable friendly
6	Entry to toilet building		✓				1 door
7	Exit to toilet building		✓				1 door
8	Menstrual Hygiene facilities		✓				Kit present in admin office
9	Students to **WASH** ratio	Toilet taps: 2		Male	2	Female	

Each student water closet cubicles measured to be 1.6m long and width of 1m. all water closet are operational, shall there be any damages or mis-function, handyman of the school is tasked to execute repairs. All cubicles have swing doors on hinges. Whole floor provided with tiles.

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

Table 28: TOILET BLOCKS (GIRLS) FOR BLOCK 9

	BLOCK 9						
Type:	**Ground floor:** • **Girls Wash Room (6 Toilet, 1 HB, 3 Shower) – 6.5m x 4.8m**					**No. of Levels: 1**	
Dimensions	**Length (m): 59**		**Width (m): 11.40**			**Height (m): 2.6**	
Existing State of Building							
REF. No.	**Building Component**	**Good[101]**	**Fair[102]**	**Poor[103]**	**Structure Type[104]**	**Count[105]**	**Comments**
1	Toilet Bays – male		✓				
2	Toilet Bays – female		✓			6	
3	Toilet Partition between boys and girls.		✓				Concrete
4	Shower bay		✓			3	
5	Toilet Bays – accessible		✓				Not disable friendly
6	Entry to toilet building		✓				1 door
7	Exit to toilet building		✓				1 door
8	Menstrual Hygiene facilities		✓				Kit present in admin office
9	Students to **WASH** ratio	Toilet taps: 1		Male		Female	1
Each student water closet cubicles measured to be 1.6m long and width of 1m. all water closet are operational, shall there be any damages or mis-function, handyman of the school is tasked to execute repairs. All cubicles have swing doors on hinges. Whole floor provided with tiles.							

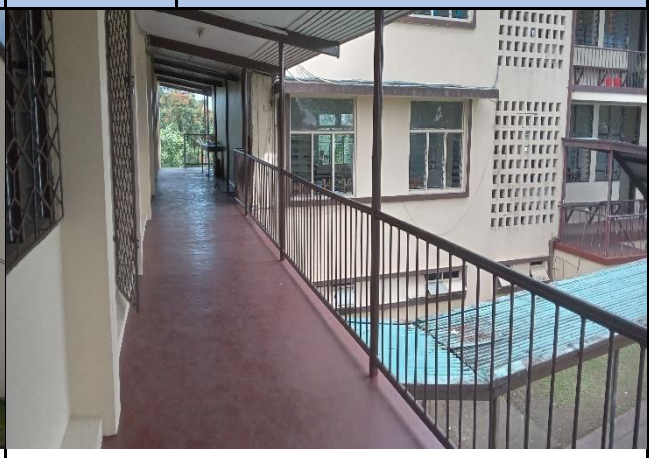
[101] Good - No additional works / intervention required
[102] Fair - Remedial works required – min CAT 3 standard
[103] Poor - Demolition and replace with new - min CAT 4 standard
[104] Type of structure - Timber/concrete/steel
[105] Count - Used for identifying number of toilet bays and menstrual hygiene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

4) PHOTOGRAPHIC REPORT

FIGURE 1: PHOTOGRAPHIC VIEW OF BLOCK 1

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B1**

PHOTOGRAPH No. 1: FRONT



PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5:

PHOTOGRAPH No. 6: WALKWAY CONNECTING B1 TO ROAD

FIGURE 2: PHOTOGRAPHIC VIEW OF TOILET AT BLOCK 1

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B1**

PHOTOGRAPH No. 1: GIRLS TOILET

PHOTOGRAPH No. 2: BOYS SHOWER

PHOTOGRAPH No. 3: BOYS URINAL

PHOTOGRAPH No. 4: BOYS TOILET

PHOTOGRAPH No. 5: GIRLS SHOWER

PHOTOGRAPH No. 6: TOILET

FIGURE 3: PHOTOGRAPHIC VIEW OF BLOCK 2

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B2**

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: Interior

PHOTOGRAPH No. 6: WALKWAY

FIGURE 4: PHOTOGRAPHIC VIEW OF TOILET AT BLOCK 2

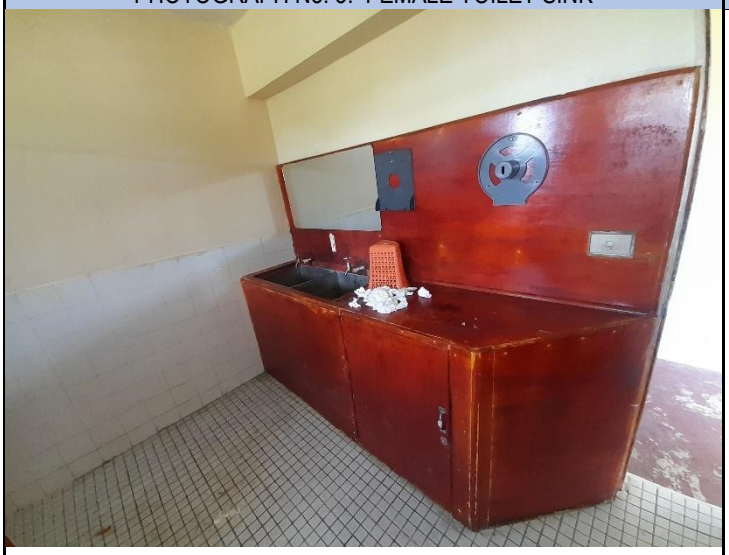
Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B2**

PHOTOGRAPH No. 1: FEMALE' TOILET

PHOTOGRAPH No. 2: MALE TOILET

PHOTOGRAPH No. 3: FEMALE TOILET SINK

PHOTOGRAPH No. 4: URINAL



PHOTOGRAPH No. 5: MALE TOILET SINK

PHOTOGRAPH No. 6: TOILET OUTSIDE

FIGURE 5: PHOTOGRAPHIC VIEW OF BLOCK 3

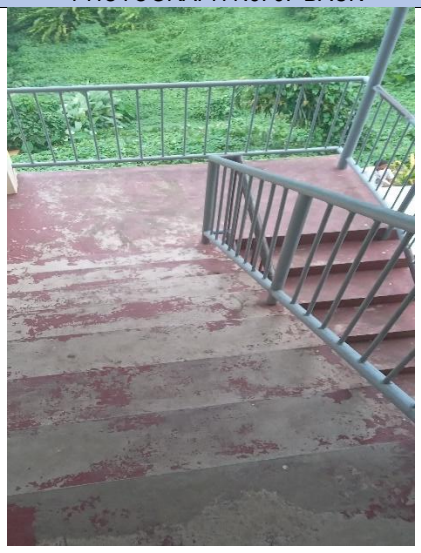
Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B3**

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE



PHOTOGRAPH No. 5: STAIRS

PHOTOGRAPH No. 6:

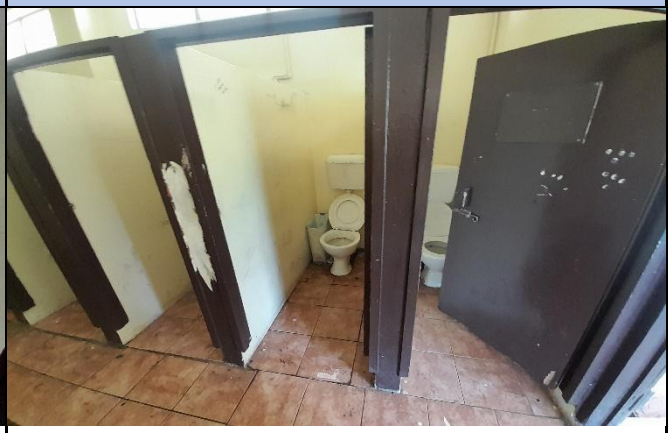
FIGURE 6: PHOTOGRAPHIC VIEW OF TOILET AT BLOCK 3

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B3**

PHOTOGRAPH No. 1: ENTRY AND EXIT

PHOTOGRAPH No. 2: SHOWER

PHOTOGRAPH No. 3: TAPS



PHOTOGRAPH No. 4: BOYS TOILET

PHOTOGRAPH No. 5: GIRLS TOILET HAND BASIN

PHOTOGRAPH No. 6: URINAL

FIGURE 7: PHOTOGRAPHIC VIEW OF BLOCK 4

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B4**

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: INTERIOR

PHOTOGRAPH No. 6: TAPS

FIGURE 8: PHOTOGRAPHIC VIEW O BLOCK 5

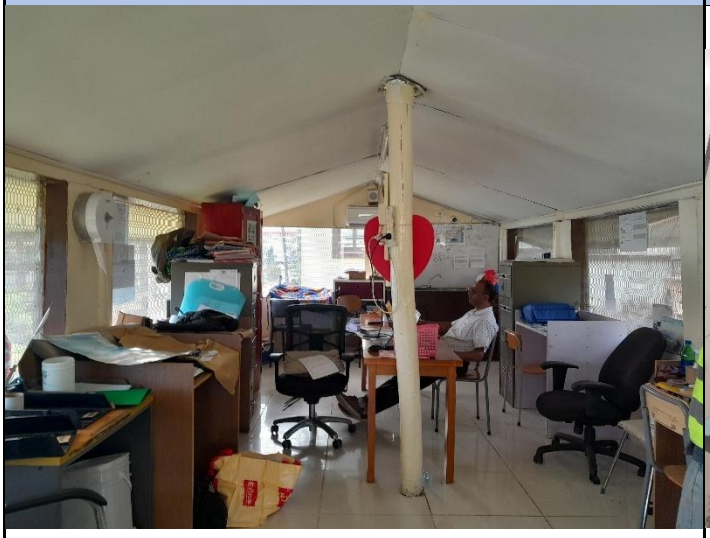
Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B5**

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE



PHOTOGRAPH No. 5: INTERIOR

PHOTOGRAPH No. 6: TAPS

FIGURE 9: PHOTOGRAPHIC VIEW OF BLOCK 6

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B6**

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5: INTERIOR

PHOTOGRAPH No. 6: ROOF

FIGURE 10: PHOTOGRAPHIC VIEW OF BLOCK 7

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B7**

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

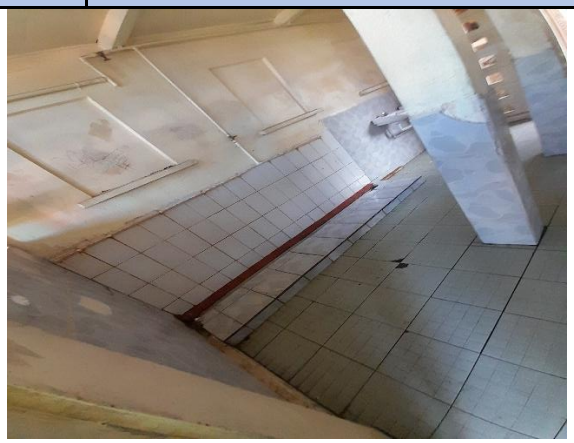
PHOTOGRAPH No. 4: RIGHT SIDE

PHOTOGRAPH No. 5:

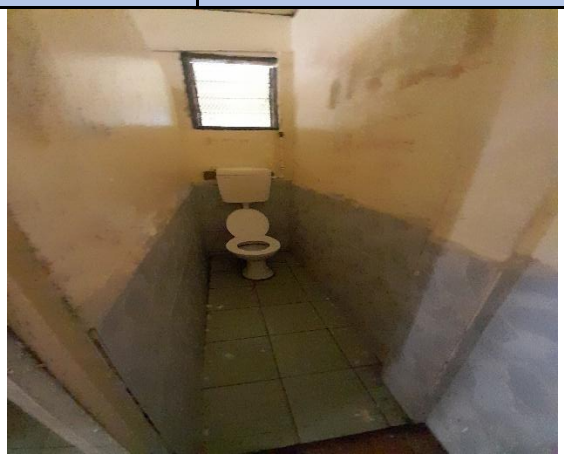
PHOTOGRAPH No. 6:

FIGURE 11: PHOTOGRAPHIC VIEW OF TOILET AT BLOCK 7

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B7**



PHOTOGRAPH No. 1:



PHOTOGRAPH No. 2:

PHOTOGRAPH No. 3:

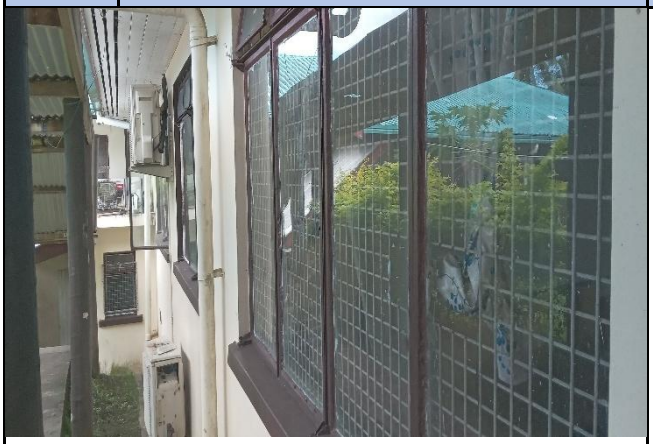
PHOTOGRAPH No. 4:

PHOTOGRAPH No. 5:

PHOTOGRAPH No. 6:

FIGURE 12: PHOTOGRAPHIC VIEW OF BLOCK 8

Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B8**

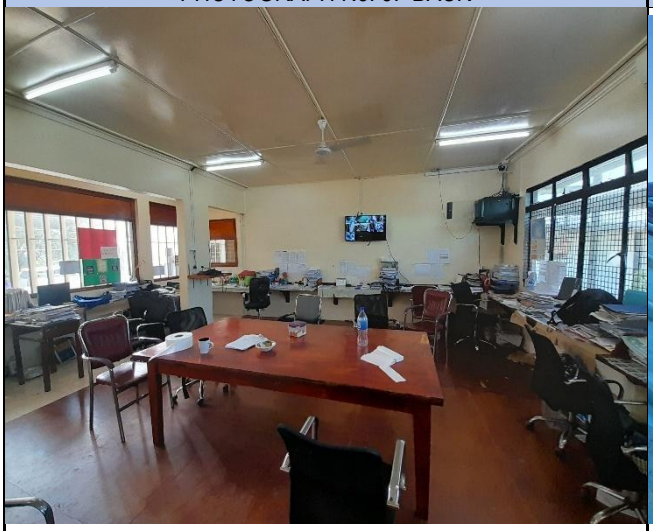


PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: FIRE HOSE REEL

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE



PHOTOGRAPH No. 5: INTERIOR

PHOTOGRAPH No. 6: ROOF

FIGURE 13: PHOTOGRAPHIC VIEW OF BLOCK 9

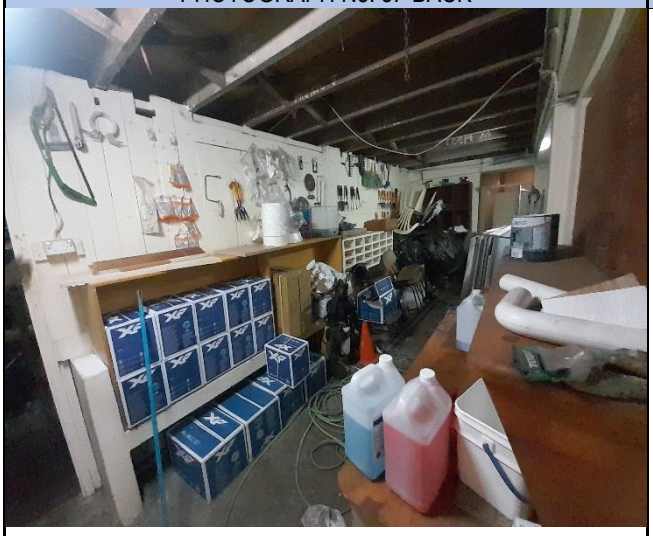
Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B9**

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

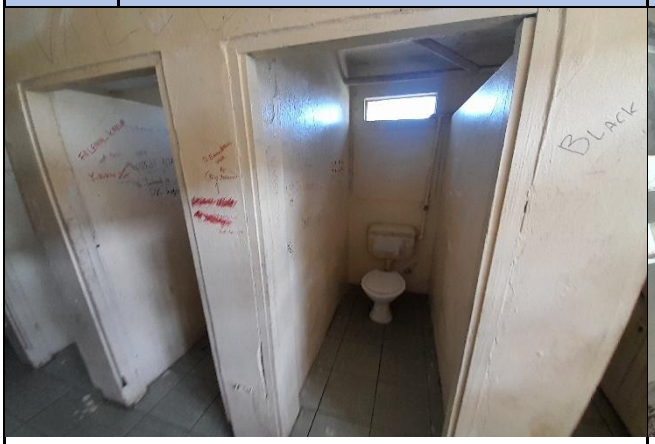


PHOTOGRAPH No. 5: INTERIOR

PHOTOGRAPH No. 6: ROOF

FIGURE 14: PHOTOGRAPHIC VIEW OF TOILET AT BLOCK 9

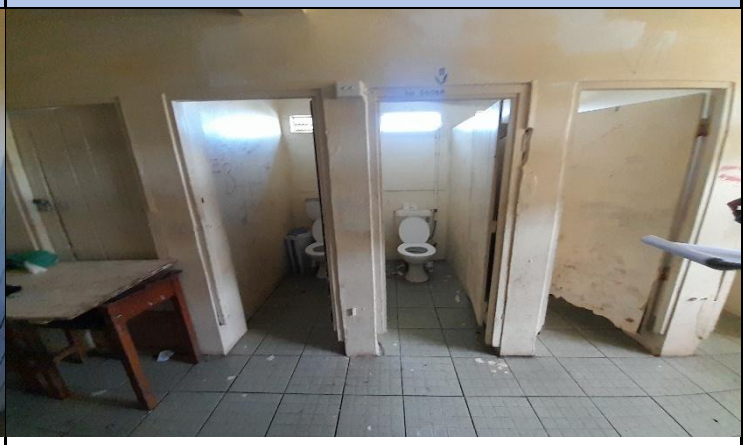
Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	DUDLEY HIGH SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B9



PHOTOGRAPH No. 1: TOILET CIBICLE

PHOTOGRAPH No. 2: SHOWER CUBICLE

PHOTOGRAPH No. 3: SHOWER CUBICLES



PHOTOGRAPH No. 4: TOILET CUBICLES

PHOTOGRAPH No. 5: STAIARS LEADING TO GIRLS TOILET

PHOTOGRAPH No. 6: TOILET LOCATED ON GF OF BLOCK 9

FIGURE 15: PHOTOGRAPHIC VIEW OF BLOCK 10

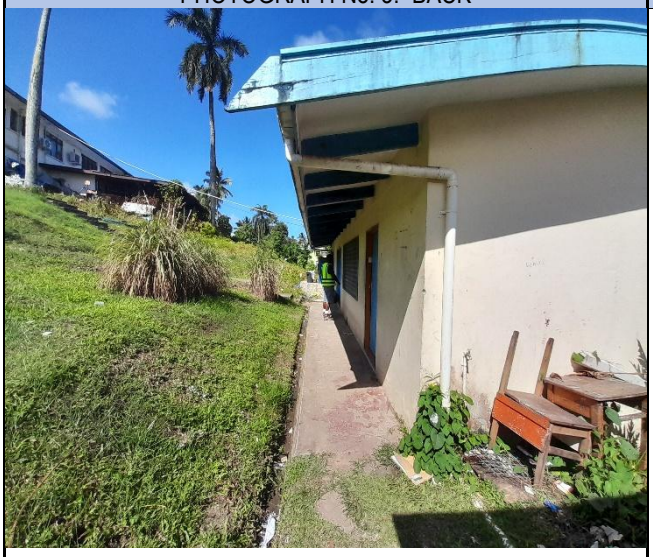
Client:	**TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD**	**School Name:**	**DUDLEY HIGH SCHOOL**
Project:	**INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.**	**Building Index:**	**B10**

PHOTOGRAPH No. 1: FRONT

PHOTOGRAPH No. 2: LEFT SIDE

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE



PHOTOGRAPH No. 5: INTERIOR

PHOTOGRAPH No. 6: ROOF

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**		
	Fair - some classrooms are accommodating students above capacity.	24 to 31	**28**
	Criteria Item Score		**28.0**
2	**PART B - WASH FACILITIES (20%)** **WASH- Student ratio based on the Fiji National Building Code (FNBC) Infrastructure Standards (10%)**		
	Poor - WASH-Student ratio for school toilet blocks falls below the ratio in the standard specified by FNBC.	8 to 10	**8**
2.1	**Quality of facilities and current condition such as funtionality and maintenance (10%)**		
	Good - generally school toilet facilities are maintanined well with minimal disturbances from the physical infrastructure to the end users.	0 to 5.9	**5**
	Criteria Item Score		**13.0**
3	**PART C - CONDITION OF INFRASTRUCTURE (20%)** **Building structure and condition of walls, floors, ceilings, overall structural integrity (10%)**		
	Good - most building structures are in good condition, however some may need repairs to improve structural integrity.	0 to 5.9	**3**
3.1	**Maintenance and assessment of the upkeep of facilities including painting and repairs (10%)**		
	Good - generally school facilities are maintanined well with minimal disturbances from the physical infrastructure to the end users.	0 to 5.9	**5**
	Criteria Item Score		**8.0**
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		**64.0**

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:

Dudley High School