

INFRASTRUCTURE ASSESSMENT AUDIT FOR SUVA – NAUSORI URBAN SCHOOLS

NARERE PRIMARY SCHOOL (REG 2391)

SUMMARY REPORT





 PROJECT NAME:
 INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS

 PROJECT NUMBER:
 22403058

 SCHOOL NAME:
 NARERE PRIMARY SCHOOL

Page 1 of 14 Prepared by NRW Revision No. A1



TABLE OF CONTENTS

1)	INSPECTION SUMMARY	3
2)	ASSESSMENT OF OVERCROWDING	4
3)	EXISTING INFRASTRUCTURE CONDITIONS	5
4)	WATER SANITATION HYGIENE (WASH) FACILITIES	6
5)	DISASTER RESILIENCE ASSESSMENT	7
6)	ACCESSIBILITY ASSESSMENT	8
7)	RECOMMENDATIONS	10
8)	COMPLIANCE	10
9)	APPENDIX	11



1) INSPECTION SUMMARY

School Inspection Summary	
School name:	NARERE PRIMARY SCHOOL
Overall condition state:	FAIR
Key recommendations:	
- Overcrowding – 12 new classrooms required based on FNBC	C standards
- Overcrowding - 3 new classrooms required based on recomm	1mended sizing (1.5m ²)
- WASH - 4 new toilet cubicles required for females and 2 for m	males / major maintenance of ablution blocks required
- Accessibility –B2 and B3 require ramps for accessibility.	
- Disaster resilience – Windows to include cyclone shutters and	nd roof cladding fastened with Cyclone roofing screws.
Comments:	
Major defects were noted as follows:	
 Damaged door knobs. (B1) 	
 Damaged timber walls at B1. 	
 Missing or damaged louvres. (B1 and B2) 	
 Insufficient lightings at B1. 	
 Poor ventilation for the entire school classrooms. 	
 Ceiling board at Year 6B B1 is low and may be risky to 	to install a ceiling fan.
Overhang roof damaged. (B1).	Ū
 No shelter for B2 side walkway. 	
 Non-compliant wall installation at the side walkway of I 	of B2.
Aerial view of school	General view of school
	<image/>

PROJECT NAME:INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLSPROJECT NUMBER:22403058SCHOOL NAME:NARERE PRIMARY SCHOOL

Page **3** of **14** Prepared by NRW Revision No. A1



School type:	Primary	✓	Secondary		Year	1,2,3,4	4,5,6,7 and 8
Sahaal addraaa					levels		
School address:	7.5 WILES, I	NARERE	No. of Stur	onto N	lo of	No	Taaahara
School enrolment and staff figures	Students	(Female)	with Disabi	lity T	eachers	(Female)	reachers
	(Male)	`		, (I	Male)	· /	
	224	208	0		3		14
School building arrangement	TOTAL NUM	IBER OF BUILD	DINGS: 8				
	B1 – 2 STO	REYS / B2 – 1 S	STOREY / B3	5 – 1 ST	OREY		
	B4 – 1 STO	REY / B5 – 1 ST	TOREY / B6	– 1 STC	DREY		
Local government area:	NARERE, N	ASINU					
Date of inspection:	01 ST AUGUS	ST, 2024					
Inspection team:	DONNIS KA	INAMOLI (DK)					
	MERELITA I	MAUITOGA (MI	M)				
	ANISH LAL	(AL)					
Data collection methods	Visual inspe	ction	✓	Onsite	measure	ment	~
	Interviews w	ith school staff	\checkmark	Drone	/ aerial in	nagery	\checkmark
	Survey form		✓	Deskto	p researc	ch	\checkmark
	Other:						
Assumptions:	ROOF WAS	CONCEALED	AT SOME	BUILD	INGS AN	ID ASSU	NED TO BE
	TIMBER.						
Limitations:	UNAVAILAB	ILITY OF ALL	SCHOOL [ENTS S	UCH AS	BOUNDARY
	AREA. RO	OF MEMBERS	GOULD I	NOT B	E ASSE	SSED D	JE TO NO
	MANHOLE.						

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 m² per student.

The results of the assessment are based on the recommended sizing (1.5m²), according to 2024 data, an additional 3 classrooms are required for NARERE PRIMARY SCHOOL.

Year	Stream	Number of students	Current number of classrooms	Number of extra classrooms required based on FNBC on 2024 data (per stream)
1	101	32	1	1
2	201	40	1	1
3	301	45	1	1
4	4A	25	1	0
4	4B 2	26	1	U
F	5A	35	1	0
Э	5B	34	1	U
6	6A	24	1	0
0	6B	31	1	U
7	7A	34	1	0
1	7B	35	1	U
0	8A	35	1	0
ð	8B	36	1	U



3) EXISTING INFRASTRUCTURE CONDITIONS

Given the outlined procedure, the following observations were made:

Block Code	Length (m)	Width (m)	Height (m)	No. of Levels	Туре	Room List
B1	61.40	4.80	5	2	Concrete with cladding on timber framed roof structure	Ground Floor (GF): Classrooms x 2 First Floor (FF): Classrooms x 7 , Administration Office/ Principals Office, Library / School Supply Store Rooms /
B2	32.15	7.50	2.40	1	Concrete with cladding on timber framed roof	Staff Toilet. Ground Floor (GF): Classrooms x 4
В3	16.11	3.65	2.5	1	Concrete with cladding on timber framed roof structure	Ground Floor (GF): Student Female and Male Toilets / Staff Male and Female Toilets.
B4	18.20	6.80	2.64	1	Concrete with cladding on timber framed roof structure	Ground Floor (GF): Hired Cooking Area and Wash area. First Floor (FF): Sickbay/ Sickbay Toilet / Kindergarten
B5	18.80	16.70	5.60	1	Concrete with cladding on timber framed roof structure	Ground Floor (GF): Assembly Area

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	Good
General upkeep	Exterior, interior, furniture and fixtures	Good
Safety compliance	Fire safety, electrical safety,	Fair
Disability	Accessibility	Fair
Ventilation and lighting	Ventilations, Natural Lighting, Artificial Lighting.	Poor

Observations on Structural Elements

- Walls and Ceiling Concrete walls were satisfactory; however, timber walls require upgrading due to the damages. Ceiling at Year 6B in B1 is low, however, overall, ceilings were satisfactory.
- Floors and Foundation Floors were satisfactory, overall. Concrete slabs that were not tiled were uneven and rough. Foundation was concealed.
- Roofs Roof were timber framed. Based on the inspected roofs in B1 and B2, timber members were satisfactory, however, steel fixtures were rusted. Roof at the hall may require further assessment.



- > Windows some missing window louvre blades were recorded at various buildings
- Earthquake Not Applicable requires detailed assessment for the 2 storey structures as walls were observed to have cracks.
- Cyclone roofs inspected consisted of timber which was satisfactory, however, for other buildings, it is required for thorough inspection. Shutters are to be provided for all openings such as windows.

Existing Conditions of Building and Maintenance

- Exterior the building is in fair condition as the wall, beam, column, window seal, doors, eaves, fascia boards and gutters etc.
- Interior the building is in good condition as the walls, beams, columns windows, doors and ceiling are satisfactory. The classrooms were found to be clean with proper waste disposal, however, structure is inadequate.
- 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. Not all electrical systems are measured to be safe. The EFL Metre Box to be relocated as it is accessible and at children's reach.
- Accessibility the school consists of ramps only at B1 and B5/B6, therefore is accessible from the main driveway. B2 and B3 are not accessible. The school does not have accessible restrooms.

Lighting and Ventilation

- Ventilation HVAC system (Heating, Ventilation, and Air Conditioning) is centrally located in the school, in particular the offices.
- 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 not all light fixtures are working and provides adequate illumination.

4) WATER SANITATION HYGIENE (WASH) FACILITIES

Condition of Toilets and Washrooms

NARERE PRIMARY SCHOOL has 1 block with toilet facilities. The facilities have some minor defects such as:

- Missing toilet seat pans.
- Insufficient Lighting.

The WASH facilities were unclean and lacked maintenance. The Male and Female toilet cubicles do not comply with the FNBC for toilet numbers. The Table below presents wash facilities data.

	No. of Cubicles		Toilet Ratio (1 cubicle: students)		Compliance of Student to Toilet Cubicle Ratio (FNBC).		
TOILET CUBICLE(S)	Female	Male	Female	Male	Female Requirement (1:20) Extra Toilets?	Male Requirement (1:30) Extra Toilets?	
	6	5	35	45	4	2	



	No. of Hand Basins		Handbasin Ratio (1 cubicle: students)		Compliance of Student to Toilet Cubicle Ratio (FNBC).	
HAND BASINS IN THE TOILET	Female	Male	Female	Male	Female Requirement (1:60) Extra Handbasins?	Male Requirement (1:60) Extra Handbasins?
	4	4	52	56	0	0

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?
	12	36	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: It could be assumed that the school has a cyclonic roof designed to withstand strong winds. However, replacement with new roof cladding and roofing screws is needed and further roof assessment is required.
- Central Location: The school is centrally located, allowing easy access to main streets and relief services.

Structural

- Material Quality: The school buildings are constructed using concrete members and do follow the engineering design principles.
- Structural Integrity: The buildings may be capable 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 firerelated risks.



6) ACCESSIBILITY ASSESSMENT

1. Compliance with Accessibility Standards:

Educational facilities did meet accessibility standards for certain buildings, 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.
- 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:

- Only 3/13 Classrooms do 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 NARERE PRIMARY SCHOOL:

Categories of Assessment	Existing Condition / State	Required as per Standards	Gaps Observed
Existing Infrastructure Condition	 Structural Integrity – The school's structural integrity is compliant. General upkeep – Minor Maintenance is required Safety compliance- Handrails were provided. Disability- Only B1 has ramps provided for certain classrooms. Ventilation and lighting – damaged and missing lights and no fan provided. 	 Structural Integrity – the timber frame buildings require to be in accordance with the FNBC 1990 and AS/NZSV1170.2:2021. General upkeep –routine check-up 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 – The timber structures are to follow FNBC 1990 and also with AS/NZS1170.2:2021. General upkeep – requires minor upgrading works. Safety compliance- safety handrails were present where required. FDPF requires signage which was absent from the school. Disability- partly compliant with FDPF Disability audit tool Ventilation and lighting – ventilation was poor and limited lightings compared to required FNBC.
Assessment of Overcrowding	- The classrooms are accommodating an average of 432roll/13 classrooms of 33 students in average.	- FNBC 1990 requires classroom occupancy to have 2m ² per person. Based on that, the required roll per classroom was calculated.	 - 3/13 classrooms were accommodating more roll than the required FNBC standard. - Given the recommended sizing (1.5m²), about 3 extra classrooms are required to address overcrowding in school.
Water Sanitation Hygiene (WASH) facilities	Toilets (students: Cubicle) - Male – 45:1 (5 cubicles) - Female – 35:1 (6 cubicles) Taps (students: tap) - Students – 12:1 (36 taps) - Menstrual Hygiene was present in every female washroom block	Toilets Ratio (students: Cubicle) - Male – 30:1 (14 cubicles) - Female – 20:1 (9 cubicles) Taps Ratio (students: tap) - Students – 60:1 (7 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 Female and Male toilet ratios were not in par with the FNBC 1990 ratio. This may hinder later on with growing population. The female and male student toilet ratio exceeded the FNBC requirement indicating not enough toilet cubicles are in the school. Given the roll, a total of 2 extra cubicles is required for the females and 4 for the males The outdoor tap ratio was below the FNBC requirement indicating that no additional taps are required in the school.
Disaster Resilience Assessment	 It cannot be confirmed that all roofs consisted of truss as some roofs were concealed. The windows did not consist of shutters or burglary bars. Roof cladding may be rusted with its fixtures. 	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	-Hand railings were provided. - Ramps were provided only for 3 classrooms at B1. - Classrooms typical door size of 0.80 – 1.1m 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.	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



- Stairway – average 2m width.	- Clearance required of 1.2m and tread width of minimum 310mm. (National Building Code Table D2.1)	- Proper lighting - Contrasting floor materials
-----------------------------------	---	--

7) <u>RECOMMENDATIONS</u>

- > In order to comply with the FNBC, the school will require the following:
 - Classrooms: An additional 12 new classrooms for students in years 1-8. 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 the females and 2 cubicles for the males are required, equipped with up-to-date WASH facilities (handbasins), catering particularly to the needs of both male and female students. These new facilities are essential to ensure hygiene and comfort.

Weekly routine maintenance work and daily clean up 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.
- 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) <u>COMPLIANCE</u>

Upon inspecting NARERE PRIMARY SCHOOL, the following conclusions were drawn:

- > MEHA Compliance: Compliant
- WASH Facilities: The school does not require additional outdoor taps for general use. However, additional 48 female toilet cubicles and 2 male toilet cubicles are required to comply with FNBC 1990.
- > Land Availability: There is sufficient land for additional building.
- > NFA Compliance: Non-compliant with NFA basic guidelines but does not have NFA certification.
- WAF Compliance: Adequate water supply, with backup system for water cuts such as water tanks only for the ablution usage and not for consumption.
- FNBC Compliance: The school is not compliant with the occupancy and structural requirements as well as the category 5 cyclone standards based on the entire structure, windows and roofing requirements.
- > NDMO Compliance: Targeting NFA and FNBC compliance for safety.
- **EFL Compliance:** Assumed to be compliant with EFL standards.
- > **DISABILITY Accessibility:** Partly compliant.



9) <u>APPENDIX</u>

Appendix A – NARERE PRIMARY SCHOOL 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

NARERE PRIMARY SCHOOL (REG 2391)

SITE INSPECTION REPORT





PROJECT NAME: PROJECT NUMBER: SCHOOL NAME: INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS 22403058 NARERE PRIMARY SCHOOL Page 1 of 35 Prepared by NRW Revision No. A1

Table of Contents

List c	f Tables
List o	f Figures4
List o	f Abbreviations
1)	SCHOOL BACKGROUND
2)	SCHOOL SITE PLAN (DRONE IMAGERY OF SCHOOL)10
3)	VISUAL INSPECTION RESULTS11
a)	EXISTING BUILDING INFORMATION11
b)	EXISTING BUILDING AND TOILET BLOCKS ACCESS INFORMATION FOR DISABILITY AUDITS . 19 $$
c)	TOILET BLOCKS (BOYS and GIRLS)
4)	PHOTOGRAPHIC REPORT



List of Tables

Table 1: SCHOOL DETAILS	8
Table 2: SCHOOL ENROLMENT FIGURES	8
Table 3: 2024 CLASSROOM ENROLLMENT DETAILS.	9
Table 4: EXISTING BUILDING INFORMATION FOR BUILDING B1	11
Table 5: EXISTING BUILDING INFORMATION FOR BUILDING B2	13
Table 6: EXISTING BUILDING INFORMATION FOR BUILDING B3.	15
Table 7: EXISTING BUILDING INFORMATION FOR BUILDING B4.	16
Table 8: EXISTING BUILDING INFORMATION FOR BUILDING B5.	
Table 12: EXISTING BUILDING AND TOILET BLOCK ACCESS _DISBILITY AUDIT	19
Table 13: BUILDING 3_ FEMALE AND MALE STUDENT TOILETS.	21
Table 14: BUILDING 1 PHOTOGRAPHS.	22
Table 15: BUILDING 2 PHOTOGRAPHS.	25
Table 16: BUILDING 3 PHOTOGRAPHS.	28
Table 17: BUILDING 4 PHOTOGRAPHS.	31
Table 18: BUILDING 5 PHOTOGRAPHS.	



List of Figures

Figure 1: B1 FRONT ELEVATION. TOP: GF BOTTOM: FF	22
Figure 2: B1 LEFT SIDE ELEVATION.	22
Figure 3: B1 REAR / BACK ELEVATION.	22
Figure 4: B1 RIGHT SIDE ELEVATION.	22
Figure 5: B1 INTERIOR CLASSROOM GF	23
Figure 6: B1 INTERIOR CLASSROOM FF.	23
Figure 7: B1 RAMPS	23
Figure 8: B1 TAPS	23
Figure 9: B1 WALKWAY FF	23
Figure 10: B1 WALKWAY GF	23
Figure 11: B1 ROOF STRUCTURE	24
Figure 12: B1 ROOF STRUCTURE	24
Figure 13: B1 ROOF SHEETING	24
Figure 14: B2 FRONT FLEVATION	
Figure 15: B2 FFT SIDE FI EVATION	
Figure 16: B2 REAR / BACK FLEVATION	25
Figure 17: B2 RIGHT SIDE ELEVATION	25
Figure 18: B2 CLASSROOM INTERIOR	
Figure 10: B2 CLASSROOM INTERIOR	
Figure 20: B2 PEAP - DOWN HILL	
Figure 20. B2 NLAR – DOWN THEL	20
Figure 21: DZ WALKWAT	20
Figure 22: D2 SIDE WALKWAT	20
	20
Figure 24: B2 ROOF STRUCTURE	27
	27
Figure 26: B3 FRONT ELEVATION	28
Figure 27: B3 LEFT SIDE ELEVATION.	28
Figure 28: B3 REAR OR BACK ELEVATION.	28
Figure 29: B3 RIGHT SIDE ELEVATION.	28
Figure 30: B3 STUDENT FEMALE TOILET	29
Figure 31: B3 STUDENT FEMALE TOILET	29
Figure 32: B3 STUDENT MALE TOILET	29
Figure 33: B3 STUDENT MALE URINAL	29
Figure 34: B3 STUDENT MALE TOILET	30
Figure 35: B3 FEMALE STAFF TOILET	30
Figure 36: B3 WALKWAY TO B2 AND B3	30
Figure 37: B3 WALKWAY	30
Figure 38: B4 FRONT ELEVATION	31
Figure 39: B4 LEFT SIDE ELEVATION.	31
Figure 40: B4 REAR / BACK ELEVATION.	31
Figure 41: B4 RIGHT SIDE ELEVATION.	31
Figure 42: B4 CLASSROOM INTERIOR GF.	32
Figure 43: B4 CLASSROOM INTERIOR FF.	32
Figure 44: B4 WALKWAY	32
Figure 45: B4 INTERIOR	32
Figure 46: B4 SICK BAY INTERIOR	32
Figure 47: B4 TOILET	32
Figure 48: B5 ELEVATION	33



Figure 49: B5 NAD B6 INTERIOR AND RAMP	
Figure 50: B5 ROOF	
Figure 51: B5 FLOORING AND WATER TANK	
Figure 52: SCHOOL DRIVEWAY	34



List of Abbreviations

NRWM	NRW Macallan (Fiji) Pte Ltd
MOE	Ministry of Education
ТТ	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
FNBC	Fiji National Building Code
NDMO	National Disaster Management Office
EFL	Energy Fiji Limited
CGI	Corrugated Roofing Iron



1) SCHOOL BACKGROUND

Narere Primary School was established by the Narere Shiv Mandir Committee, alongside the construction of the temple. The committee envisioned the school as a complementary institution to the temple, fostering a unique culture that promotes moral values and holistic growth. The school features a spacious multipurpose hall that serves as a venue for community cultural programs. It primarily relies on government assistance through the Free Education Grant (FEG) to fund maintenance and improvements. Additionally, the school follows a zoning policy, prioritizing enrolment for students residing in the nearby area.



Table 1: SCHOOL DETAILS

NAME OF SCHOOL	NARERE PRIMARY SCHOOL
SCHOOL REGISTRATION NUMBER	2391
SCHOOL LOCATION	7.5 MILES, NARERE
SCHOOL TYPE	CO-EDUCATIONAL PRIMARY SCHOOL
FEEDER SCHOOL	NONE
DATE OF INSPECTION	1 ST AUGUST 2024
MILESTONE	3 (67 / 86 SCHOOLS)
INSPECTED BY (TEAM 3)	MERELITA MAUITOGA (MM)
	DONNIS KAINAMOLI (DK)
	ANISH LAL (AL)

Table 2: SCHOOL ENROLMENT FIGURES

Year of	Numb	Number of Students			Numb	Number of Teachers		
Enrolment	Male	Female	Total	with Disability	Male	Female	Total	Comments
2024	224	208	432	0	3	14	17	13 classrooms.
2023	224	199	423	0	3	14	17	• Student to stream 432roll/13
2022	248	224	472	1	3	14	17	= 33:1 for 2024 school
2021			494	0	3	14	14	calendar.
2020				0	3	14	13	Total Taps count = 12
2019				0	3	14	12	 WASH Ratio (Toilets) Total boy's toilet cubicle count:5 Male = 45:1 > 30:1 Total girl's toilet cubicle count =6 Female = 35:1 > 20:1 EVACUATION CENTRE = No.

Table 3: 2024 CLASSROOM ENROLLMENT DETAILS.

GRADE	CLASS	TOTAL	NUMBER	DIMENSIO	ONS (m)	ACCESS V	VAY COUNT	OVERCROWDING
	NUMBER	STUDENT ROLL	OF TEACHERS	LENGTH	WIDTH	NO. OF DOORS	NO. OF WINDOWS	
1	1A	32	1	7.3	4.80	1	10	⊠YES □NO
2	2A	40	1	7.3	4.80	1	10	⊠YES □NO
3	3A	45	1	7.6	4.80	1	10	⊠YES □NO
4	4A	25	1	11.66	4.71	1	12	□YES ⊠NO
	4B	26	1	11.66	4.80	1	12	□YES ⊠NO
5	5A	35	1	7.5	4.80	1	10	⊠YES □NO
	5B	34	1	7.3	4.80	1	10	⊠YES □NO
6	6A	24	1	7.4	7.20	1	10	□YES ⊠NO
	6B	31	1	7.5	7.20	1	10	⊠YES □NO
7	7A	34	1	7.72	7.57	2	14	⊠YES □NO
	7B	35	1	7.65	7.57	2	14	⊠YES □NO
8	8A	35	1	7.79	7.58	2	14	⊠YES □NO
	8B	36	1	7.67	7.58	2	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							

PROJECT NAME:INFRASTRUPROJECT NUMBER:22403058SCHOOL NAME:NARERE PI

INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS 22403058 NARERE PRIMARY SCHOOL Page **10** of **35** Prepared by NRW Revision No. A1



3) VISUAL INSPECTION RESULTS

a. <u>EXISTING BUILDING INFORMATION</u> Table 4: EXISTING BUILDING INFORMATION FOR BUILDING B1.

		B1: Ground Flo	oor (GF): Cla						
Buildir	na Index	First Floor (FF)	: Classroom	s x 7 , Ad	ministratior	n Office/ Princi	pals Office,	Year built:	
	5	Library / School	Supply Stor	e Rooms	/ Staff Toile	et.			
Type:	Double St	orev Concrete St	N	lo. of Levels:2					
Dimen	sions	Lenath (m): 61.40	Width ((m): 4.80 (excluding wall	(wavs) H	eight (m): 5	
		5(Evi	cting State	of Puilding	, .,		
					Sung State	Structure			
REF. No.	Building C	component	Good ¹	Fair ²	Poor ³	Type ⁴		Comm	nents
1	Roof Lining)		~		Steel	Corrugate removal of	d Roofing Iron re f rusted screws a	equires recoating and and cladding.
2	Roof Struct	ture		~		Timber	Roof Struc members Fixtures co	cture consisted of were satisfactory on sisted of rust.	of timber truss and y. However, Steel
3	Walls			✓		Concrete	Concrete	walls were satisf	factory.
4	Columns			✓		Concrete	Concrete	columns were sa	atisfactory.
5	Beams			✓		Concrete	Concrete I	peams were sati	isfactory.
6	Floor			✓		Concrete	Floor were	e tiled and tiles w	vere not non-slip tiles.
7	Handrails				~	Concrete	Concrete I high.	ailings at FF we	ere at approx. 400mm
8	Walkway(s)		V			Walkway was 1.6m wide. At GF, walkway concre floor falling off which is a hazard for students, wh could trip from it. Also at GF, there is leakag during heavy rain at the connection between th classrooms and veranda		
9	Services –	water supply	~				There are	8 taps provided	in B1.
10	Available ta use	aps for general	~				8 Of taps	S 3 si	Student – tap ratio = 6.4:1 (Assume only B1 students utilises the taps)
11	Services –	electricity			¥		Each classroom is equipped with two lights but lacks a ceiling fan, making the lighting insufficier and the space uncomfortable, especially during humid weather. In Year 6B, there is only one power outlet available, prompting the teacher to use an extension cord to access additional power This practice poses a safety hazard for students the classroom.		
12	Services – (internet)	communication		~			1 Intercom	n per room.	
13	Drainage			\checkmark			Drainage i	s satisfactory.	

¹ Good - No additional works / intervention required

³ Poor - Demolition and replace with new - min CAT 4 standard

² Fair - Remedial works required - min CAT 3 standard

⁴ Type of structure - Timber/concrete/steel



Comments

• Visual defects

Apart from the above-mentioned defects in the table, the following were also observed:

- There are missing louvre blades in each room.
- Poor ventilation in the classrooms.
- There are not sufficient lights in the rooms.
- Fire extinguishers are present within the building but is not serviced.
- Doors are 800mm to 900mm wide.
- A ramp has been installed at the entrance of Year 5B to accommodate a teacher who uses a wheelchair.
- The ramp size is 120mm x 540mm with a door opening of 830mm wide.
- There is also a ramp at Years 1 and 2 with a ramp size of 110mm x 640mm and door size of 1100mm wide.
- Partition timber walls were also damages due to door knobs.
- There were damaged door knobs.
- Ceiling board at Year 6B was low and is risky to have a ceiling fan.
- Overhang at the front of Year 6A veranda consisted of damaged battens and leakage of roof.



Table 5: EXISTING BUILDING INFORMATION FOR BUILDING B2.

Building Index Buildi									ouilt: TBC		
Type:	Single Sto	rey Concrete St	ructure.				I		No. of Levels: 1		
Dimens	Dimensions Length (m): 32.15 Width (m): 7.5								ı): 2.4		
Existing State of Building											
REF. No.	Building C	component	Good⁵	Fair ⁶	Poor ⁷	Structure Type ⁸	Comments				
1	Roof Lining)		✓		Steel	Corrugated F removal of ru	Roofing usted s	g Iron requires recoating and screws and cladding.		
2	Roof Struct	ture		~		Timber	The roof was accessible at Year 8A and consisted of timber trusses at approx. 0.6m centres. The timber truss and its fixtures were satisfactory. Roof space was approx. 600mm as well				
3	Walls			✓		Concrete	Concrete wa	alls wei	e satisfactory.		
4	Columns			✓		Concrete	Concrete Co	olumns	are satisfactory.		
5	Beams			✓		Concrete	Concrete Be	ams w	vere satisfactory.		
6	Floor				~	Concrete	Concrete floor was satisfactory, however did no consist of any tiles or rugs in some rooms Concrete floor was also uneven or roughen which could be a hazard to kids.				
7	Handrails			~		Steel	Hand railings or the walkway of B2 consisted of mesh safety fence or railings of approx. 2.24m high.				
8	Walkway(s)		¥		Concrete	The walkways are 2.25 meters wide, while the sidewalk leading to B2 is approximately 900mm wide and lacks shelter for weather protection. Although CGI wall cladding has been installed along the side wall for protection, it does not meet compliance standards.				
9	Services –	water supply	\checkmark				There are 4	taps pi	rovided in B2.		
10	Available ta use	aps for general	✓				4 Taps		Student – tap ratio = 35:1 (Assuming only B2 students utilises these taps.)		
11	Services –	electricity			~		Maximum of whereby 1-2	4 light were	s provided in each room, not working. No fans.		
12	Services – (internet)	communication		✓			1 Intercom p	er rooi	m.		
13	Drainage						N/A				

Comments

• Visual defects

Apart from the above-mentioned defects in the table, the following were also observed:

 $^{^{\}scriptscriptstyle 5}$ 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



- There almost half of the lights were not working in each classroom and only 4 was provided.
- There were no fans provided and is very hot during humid weather.
- Poor Ventilation, teachers had advised that the natural wind is not enough especially during humid weather.
- 2 doors approx. 900mm wide provided.
- B2 is situated on a hillside, with the rear door providing access to the downhill area. However, this poses a safety risk for students during wet weather, as no protective measures or safety features have been installed at the rear entrance.



Table 6: EXISTING BUILDING INFORMATION FOR BUILDING B3.

		B3: Ground	l Floor (GF): S	tudent Ferr	nale and Ma	ale Toilets / Sta	aff Male a	nd			
Building Index Female Toilets. Year built: TBC											
Type: Single Storey Concrete Structure. No. of Levels:2											
Dimens	sions	Leng 16.1	gth (m): 1	Width (n	n): 3.65 (e	xcluding walk	(way)	Height (r	n): 2.5		
				Exi	sting State	of Building					
REF. No.	Building C	omponent	Good ⁹	Fair ¹⁰	Poor ¹¹	Structure Type ¹²			Comments		
1	Roof Lining	J		✓		Steel	Corruga remova	ated Roofir I of rusted	ng Iron requires recoating and screws and cladding.		
2	Roof Struct	ture	٩	Not Accessib	ble		The roo howeve	of was not a er, is assum	accessible during assessment, ned to be timber framed.		
3	Walls			✓		Concrete	Concre	te Walls we	ere satisfactory.		
4	Columns			✓		Concrete	Concrete Columns were satisfactory.				
5	Beams			✓		Concrete	Concre	te Beams v	vere satisfactory.		
6	Floor			\checkmark		Concrete	Washro of tiles.	om flooring	g was satisfactory that consisted		
7	Handrails		No Han	d Railings	provided.		No Han	d railings F	Provided.		
8	Walkway(s)		\checkmark		Concrete	The wa wide an	lkway at th Id walkway	e front of the washrooms is 2.2m to B3 is approx. 1.2m wide.		
9	Services –	water supply	\checkmark				There a	re 10 toile	t taps all together.		
10	Available ta use	aps for genera	al No general taps provided.				0 Exteri	ior Taps	Student – tap ratio = N/A		
11	Services –	Electricity		✓			There w	vas only 1	light provided for each room.		
12	Services – (internet)	communicatio	on	N/A		N/A					
13	Drainage			✓			Drainag	je not insp	ected.		

Comments

Visual defects •

Refer to the table above for the Visual Defects.

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 BUILDING B4.

		B4: Ground Flo	oor (GF): H	lired Cook	ing Area ai	nd Wash area.						
Building Index First Floor (FF): Sickbay/ Sickbay Toilet / Kindergarten Year built: TBC												
Туре:	Type: Single Storey Concrete Building. No. of Levels: 1											
Dimen	sions	Length (m):	18.20	Width (m	n): 6.8 (ex	cluding walkway)	Height (m): 2.64				
Existing State of Building												
REF. No.	Building C	omponent	Good ¹³	Fair ¹⁴	Poor ¹⁵	Structure Type		Comments				
1	Roof Lining			~		Steel	Corrugate and remov	d Roofing Iron requires recoating val of rusted screws and cladding.				
2	Roof Struct	ure		Not Ac	ccessible C	Onsite	The roof could not be accessed; however, it can be assumed that the roof consists of timber members.					
3	Walls			✓		Concrete	Walls were	e satisfactory.				
4	Columns			✓		Concrete	Columns were satisfactory.					
5	Beams			✓		Concrete	Beams were satisfactory.					
6	Floor			~		Concrete with Tiles	Concrete Slab was satisfactory, however, rooms consisted of tiles that were worn our and damaged.					
7	Handrails			V		Steel	No Hand railings provided at the Front however, rear of the kindergarten consisted of steel railings approx. 900mm high. The reason for the railings for safety above the retaining wall to the playaround					
8	Walkway(s))	~			Concrete	Walkways acceptable	were 2.47m wide which was				
9	Services –	water supply	~				1 handbas also the ki	in provided in the Sick Bay and ndergarten.				
10	Available ta use	aps for general	N/A – N	o Taps ava B4.	ailable in		2 Exterior Taps 2 streams, each stream = 22 students)					
11	Services –	electricity		~			2 lights an and 1 light	d fans provided in the kindergarten and fan provided in the sick bay.				
12	Services – (internet)	communication		~			An intercom per room.					
13	Drainage			N/A			Drainage not inspected.					

Comments •

Visual defects

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



Apart from the above-mentioned defects in the table, the following were also observed:

- There were damaged tiles.
- The sick bay is now used for storage.
- The hired cooking area is only used for functions.
- There are 2 streams for the kindergarten, morning and afternoon sessions with 2 teachers for the morning session and 1 teacher for the afternoon session. Each session consists of 22 students.
- The toilet in the Sick Bay is only utilised if required during a hiring.



Table 8: EXISTING BUILDING INFORMATION FOR BUILDING B5.

B5: Groun Building Index		B5: Ground Flo	oor (GF): Assembly Area				Year	Year built: TBC	
Type:	Double Sto	rey Concrete Bu	oncrete Building. No				No. of Levels: 1		
Dimensions		Length (m): 18.80		Width (m): 16.70 (excluding walkway)			Height (m):	5.60	
	Existing State of Building								
REF. No.	Building Co	omponent	Good ¹⁷	Fair ¹⁸	Poor ¹⁹	Structure Type 20	Comments		
1	Roof Lining			~		Steel	Corrugated l and removal	Roofing Iron requires recoating of rusted screws and cladding.	
2	Roof Structu	ire		~		Steel	The timber roof members were exposed and were satisfactory. May require further assessment.		
3	Walls		No	ot Applicab	le.	Concrete	Open Area – Not Applicable.		
4	4 Columns			~		Steel	Steel columns were satisfactory in defect wise, however, will require furth assessment.		
5	5 Beams			 ✓ Timber Beam were satisfacter ✓ Timber Wise, however, will reconstructed A assessment. 		m were satisfactory in defects ever, will require further			
6	Floor		✓			Concrete	Concrete Flooring was not levelled.		
7	Handrails		Not Applicable.		le.		Not Applicable		
8	Walkway(s)		Not Applicable.				Not Applicable		
9	Services – w	vater supply	N/A -There were no taps provided by 2 water tanks for			ks for the school.			
10	Available taps for general use		N/A			Exterior Taps	Student – tap ratio = No taps		
11	Services – Electricity		✓				Sufficient Lights were provided in the Hall Area.		
12	12 Services – communication (internet)		✓				Intercoms provided in each room.		
13	13 Drainage		N/A			Drainage was not inspected around the building.			
Comm	ents								

• Visual defects

- There was a ramp provided from the hall area to the worship area.
- The drive way also leads to the hall area and is therefore accessible.
- Ramp size is approx. 2.4m wide by 0.45m high.
- The buildings above the ramp are for worship and only used during hiring.

 $^{^{\}rm 17}$ Good - No additional works / intervention required

 $^{^{\}mbox{\tiny 18}}$ Fair - Remedial works required – min CAT 3 standard

 $^{^{\}rm 19}$ Poor - Demolition and replace with new - min CAT 4 standard

²⁰ Type of structure - Timber/concrete/steel



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

Table 9: EXISTING BUILDING AND TOILET BLOCK ACCESS _ DISBILITY AUDIT.

Buildin	g Index		B1 – F B2 – F B3 – F B4 – F B5 – F	Refer to Table Refer to Table Refer to Table Refer to Table Refer to Table	e 4. e 5. e 6. e 7. e 8.				
Туре:	Ref	fer to Building	ı Index.				No. of Levels:		
Dimons	ione	Length (m).	Width (m)	•		Refer to Building Inde	X	
Dimens	10113	Refer to Bu Index.	,. uilding	Refer to Bu	uilding Index	κ.	Refer to Building Index.		
					Existing S	tate of Building			
REF.	Buildi	ing ponent	Good ²¹	Fair ²²	Poor ²³	Structure Type ²⁴	Dimensions (m)	Comments	
1	Ramp	S		~			B1 – approx. 0.11m high and 0.64m long.	Only B1 FF consists of ramps at the building entrance and Years 1,2 and 5B. B2 is not accessible.	
2	Walkw cleara	vay Ince space	\checkmark			Majority of the buildings consists of concrete walkways.	0.90m – 2.4m	Walkways are wide enough to cater for wheelchair movement.	
3 Handrails			✓		Concrete – along the buildings. Steel/ Mesh – Along Stairs.	0.40m – 2.24m	Hand rails that are less than 900mm high is non- compliant.		
Doors and Door Size (typical)					Timber and Glazed doors.	0.80m – 1.10m wide	Doors that are single doors are non-compliant, however, rooms that consist of double doors are compliant. Rooms that consist of ramps, doors are wide adequate.		
4 Stairway			\checkmark		Concrete	0.30m wide	Stairways are not accessibility friendly especially for immobile students or staff. However, is wide enough.		

²¹ Good - No additional works / intervention required

²² Fair - Remedial works required – min CAT 3 standard

 $^{^{\}rm 23}$ Poor - Demolition and replace with new - min CAT 4 standard

²⁴ Type of structure - Timber/concrete/steel



Comments:

Refer to the comments above in the Table.



c) TOILET BLOCKS (BOYS and GIRLS)

Table 10: BUILDING 3_ FEMALE AND MALE STUDENT TOILETS.

Building Index		B3 – FEMALE AND MALE TOILETS.								
Type:		Ground I	Floor (GF)	: Female a	nd Male St	udent Toilet.		No. of Levels: N/A		
Dimens	sions	Length (m): 16.11	l	Width (m	ı): 3.65		Height (n	n): 2.5		
				Exis	ting State	of Building				
REF. No.	Building	Component	Good ²⁵	Fair ²⁶	Poor ²⁷	Structure Type ²⁸	Count ²⁹	Comments		
1	Toilet Ba	ys – male		V		Concrete	5 Cubicles Urinal	1 Cubicle: 1.82x0.9 wide. 4 Taps with 5 cubicles. Consisted of a urinal – 2.38m x 0.39m.		
2	2 Toilet Bays – female			√		Concrete	5 Cubicles	1 Cubicle: 1.78 x 0.9m wide 4 taps.		
3	3 Toilet Partition between boys and girls.			✓		Concrete		Concrete Partition in cubicles.		
4	Shower b	bay						No Showers.		
5	Toilet Bays – accessible				~			No Toilet Bays are Accessible		
6	Entry to toilet building			✓		Concrete		Toilets are located behind		
7	Exit to toi	ilet building		√		Concrete		ground. Students can only be seen entering the building from B2 rear.		
8 Menstrual Hygiene facilities			~				Bins were present in the female toilets.			

Comments

Refer to Table 6 for structural comments.

PROJECT NAME:

SCHOOL NAME:

INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS PROJECT NUMBER: 22403058 NARERE PRIMARY SCHOOL

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

²⁹ Count - Used for identifying number of toilet bays and menstrual hygiene facilities



4) PHOTOGRAPHIC REPORT

Table 11: BUILDING 1 PHOTOGRAPHS.

Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	NARERE PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B1
	<image/> <image/> <image/> <image/>	F	iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii
	PHOTOGRAPH No. 1: FRONT	PI	HOTOGRAPH No. 2: LEFT SIDE
	<image/> <caption></caption>	Fig	gure 4: B1 RIGHT SIDE ELEVATION.

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PROJECT NAME:INFRASTRUPROJECT NUMBER:22403058SCHOOL NAME:NARERE PI

INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS 22403058 NARERE PRIMARY SCHOOL Page **22** of **35** Prepared by **NRW** Revision No. A1







Figure 5: B1 INTERIOR CLASSROOM GF.

Figure 6: B1 INTERIOR CLASSROOM FF.

PHOTOGRAPH No. 5: INTERIOR

PHOTOGRAPH No. 6: ROOF SPACE



Figure 7: B1 RAMPS

Figure 8: B1 TAPS

PHOTOGRAPH No. 7: RAMPS

PHOTOGRAPH No. 8: TAPS



Figure 9: B1 WALKWAY FF

PHOTOGRAPH No. 9: WALKWAY



Figure 10: B1 WALKWAY GF

PHOTOGRAPH No. 10: WALKWAY

PROJECT NAME: PROJECT NUMBER: SCHOOL NAME:

INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS 22403058 NARERE PRIMARY SCHOOL

Page **23** of **35** Prepared by NRW Revision No. A1







Table 12: BUILDING 2 PHOTOGRAPHS.

Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	NARERE PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B2
		Fig	<image/>
	Figure 14: B2 FRONT ELEVATION.		
	PHOTOGRAPH No. 1: FRONT	Pr	AOTOGRAPH No. 2: LEFT SIDE
	Figure 16: B2 REAR / BACK ELEVATION.	Fig	ure 17: B2 RIGHT SIDE ELEVATION.

PROJECT NAME:INFRASTRUPROJECT NUMBER:22403058SCHOOL NAME:NARERE PI

PHOTOGRAPH No. 3: BACK

INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS 22403058 NARERE PRIMARY SCHOOL Page **25** of **35** Prepared by **NRW** Revision No. A1

PHOTOGRAPH No. 4: RIGHT SIDE





Figure 18: B2 CLASSROOM INTERIOR.



Figure 19: B2 CLASSROOM INTERIOR.

PHOTOGRAPH No. 6: INTERIOR

PHOTOGRAPH No. 5: INTERIOR



Figure 20: B2 REAR – DOWN HILL

PHOTOGRAPH No. 7: STAFF TOILET



Figure 22: B2 SIDE WALKWAY

PHOTOGRAPH No. 9: WALKWAYS

Figure 21: B2 WALKWAY.

PHOTOGRAPH No. 8: WALKWAY



Figure 23: B2 TAPS.

PHOTOGRAPH No. 10: WALKWAYS

PROJECT NAME: PROJECT NUMBER: SCHOOL NAME: INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS 22403058 NARERE PRIMARY SCHOOL Page **26** of **35** Prepared by NRW Revision No. A1







Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY)	School Name	NARERE PRIMARY SCHOOL
ononti	LTD		
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B3
	Figure 26: B3 FRONT ELEVATION.	Fig	ure 27: B3 LEFT SIDE ELEVATION.
	PHOTOGRAPH No. 1: FRONT	PH	IOTOGRAPH No. 2: LEFT SIDE
			COULD NOT CAPTURE
	Figure 28: B3 REAR OR BACK ELEVATION.	Figu	<i>ire 29: B3 RIGHT SIDE ELEVATION.</i>
	PHOTOGRAPH No. 3. BACK	PH	OTOGRAPH No. 4: RIGHT SIDE

Table 13: BUILDING 3 PHOTOGRAPHS.

PROJECT NAME:INFRASTRUPROJECT NUMBER:22403058SCHOOL NAME:NARERE PI

INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS 22403058 NARERE PRIMARY SCHOOL Page **28** of **35** Prepared by **NRW** Revision No. A1





PROJECT NAME: PROJECT NUMBER: SCHOOL NAME: INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS 22403058 NARERE PRIMARY SCHOOL Page **29** of **35** Prepared by **NRW** Revision No. A1





Figure 34: B3 STUDENT MALE TOILET

PHOTOGRAPH No. 9: INTERIOR



Figure 35: B3 FEMALE STAFF TOILET



Figure 36: B3 WALKWAY TO B2 AND B3

PHOTOGRAPH No. 11: WALKWAY

PHOTOGRAPH No. 10: INTERIOR



Figure 37: B3 WALKWAY

PHOTOGRAPH No. 12: WALKWAY

PROJECT NAME:INFRASTRUPROJECT NUMBER:22403058SCHOOL NAME:NARERE PL

INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS 22403058 NARERE PRIMARY SCHOOL Page **30** of **35** Prepared by NRW Revision No. A1



Table 14: BUILDING 4 PHOTOGRAPHS.

Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	NARERE PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B4
	<image/>		COULD NOT CAPTURE
	Figure 38: B4 FRONT ELEVATION.	Fig	ure 39: B4 LEFT SIDE ELEVATION.
	PHOTOGRAPH No. 1: FRONT	PH	IOTOGRAPH No. 2: LEFT SIDE
	<image/> <caption></caption>	Figure	

PHOTOGRAPH No. 3: BACK

PHOTOGRAPH No. 4: RIGHT SIDE

PROJECT NAME: PROJECT NUMBER: 22403058 SCHOOL NAME:

INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS NARERE PRIMARY SCHOOL

Page **31** of **35** Prepared by NRW Revision No. A1





Figure 42: B4 CLASSROOM INTERIOR GF.



Figure 43: B4 CLASSROOM INTERIOR FF.

PHOTOGRAPH No. 6: ROOF SHEETING

PHOTOGRAPH No. 5: INTERIOR



Figure 44: B4 WALKWAY

PHOTOGRAPH No. 7: WALKWAY



Figure 45: B4 INTERIOR

PHOTOGRAPH No. 8: INTERIOR



Figure 46: B4 SICK BAY INTERIOR

PHOTOGRAPH No. 9: INTERIOR

PROJECT NAME: PROJECT NUMBER: SCHOOL NAME: INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS 22403058 NARERE PRIMARY SCHOOL



Figure 47: B4 TOILET

PHOTOGRAPH No. 10: TOILET

Page **32** of **35** Prepared by NRW Revision No. A1



Client:	TETRA TECH INTERNATIONAL DEVELOPMENT (PTY) LTD	School Name:	NARERE PRIMARY SCHOOL
Project:	INFRASTRUCTURE PLAN FOR SUVA – NAUSORI URBAN SCHOOL.	Building Index:	B5 AND B6
	<image/> <image/>	Figure	<image/> <image/>
	PHOTOGRAPH No. 1: ELEVATION	РНОТО	GRAPH No. 2: INTERIOR AND RAMP
	<image/> <caption></caption>		
		Figure	
	FILOTOGIAFITINO. J. NOUF	THUTUGRA	

Table 15: BUILDING 5 PHOTOGRAPHS.

PROJECT NAME: PROJECT NUMBER: 22403058

INFRASTRUCTURE PLAN FOR SUVA NAUSORI URBAN SCHOOLS SCHOOL NAME: NARERE PRIMARY SCHOOL

Page **33** of **35** Prepared by NRW Revision No. A1





Figure 52: SCHOOL DRIVEWAY

PHOTOGRAPH No. 5: DRIVE WAY



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	31
	Criteria Item Score		31.0
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	10
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		15.0
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	5
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		10.0
	PART D - DISABILITY ACCESSIBILITY (10%)		
4	Fair - most facilities are not currently accessible, however there are some accessibility features present such		-
	as accessible toilets etc.	6 to 7.9	6
	PART E - DISASTER RESILIENCE (10%)		6.0
5	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		67.0

Appendix C – Land Available for Expansion



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

|| NOTE:

SCALE: NOT TO SCALE

NARERE PRIMARY SCHOOL