Appendix - 5

Cost Estimation Borne by the Recipient Country

COST ESTIMATION BORNE BY THE RECIPIENT COUNTRY

The main cost items to be borne by the Nigerian side are listed below.

①	Site preparation, cutting and grading of the project site	:	Naira765,000	(approx. ¥ 664,000)
②	Preparation of access road to the site (only impassable part for vehicles)	:	Naira84,000	(approx. ¥ 73,000)
③	Demolition and removal of existing fence	:	Naira19,000	(approx. ¥ 16,000)
④	Demolition and removal of existing building	:	Naira130,000	(approx. ¥ 113,000)
	Total		**Naira 998,000**	**(approx. ¥ 866,000)**

Note: The above estimation needs further scrutiny with the site survey in detail.
The cooperation such as labour and materials offered by the PTA/community should reduce this cost estimation.

Appendix - 6 References

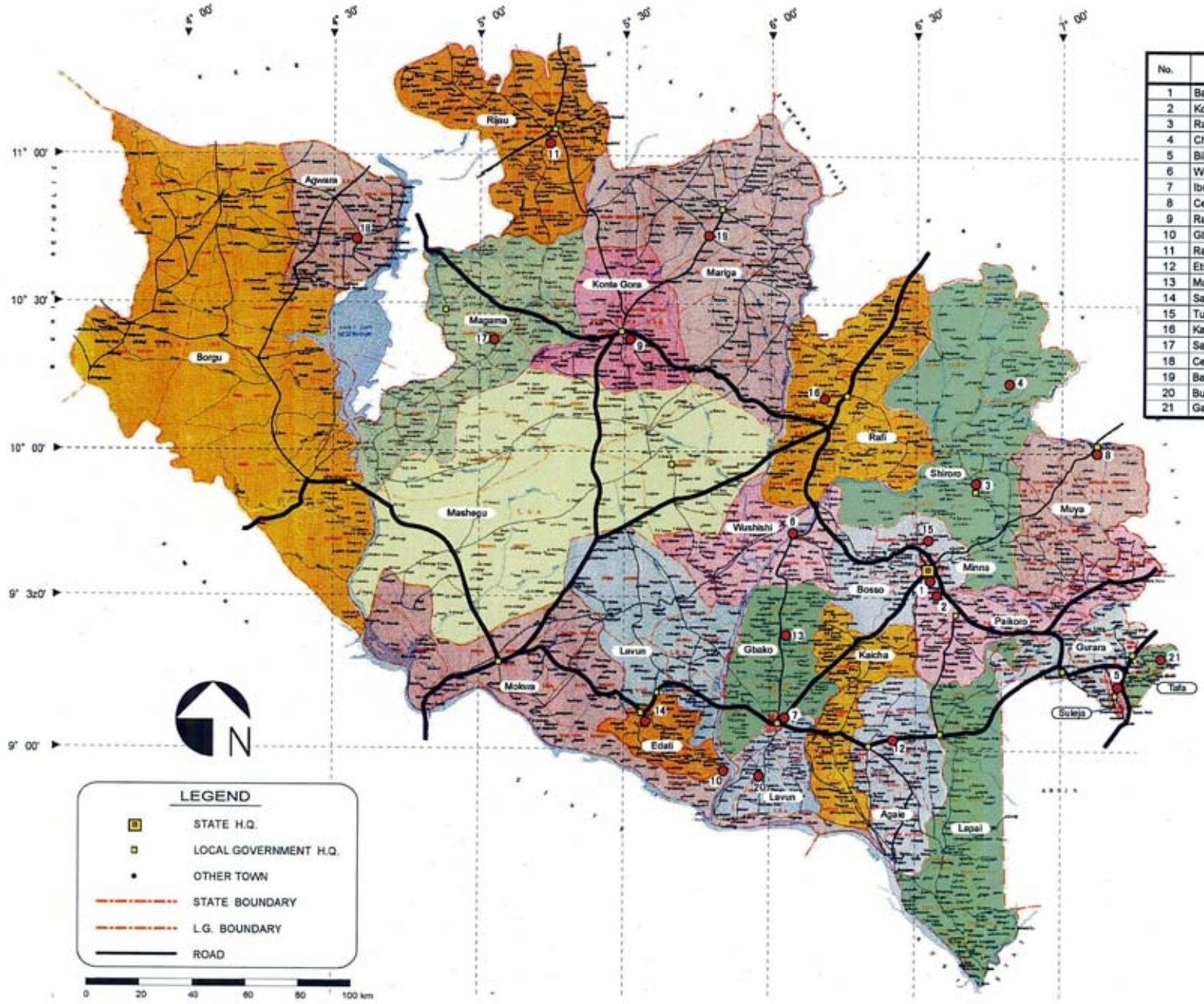
References

No.	Title	Original or Copy	Organization	Year
1	Thresholds for procurement Methods and Prior Review	Copy	---	--
2	UBE Project Launch　Procurement Arrangements and Manual for NPCU and State PCUs	Copy	World Bank	---
3	IDA-UBEP Credit 3711 UNI	Copy	FME	2003
4	Partners in Action	Copy	UNESCO	2002
5	The Capacity of the Nigerian Government to Deliver Basic Education Services (Draft)	Copy	World Bank	2003
6	Master Plan of Operation Country Programme of Cooperation for Nigerian Children and Women	Original	Federal Republic of Nigeria・UNICF	---
7	Interim Report by the Committee on Minimum Standards for Primary Education	Copy	NPEC	1997
8	World Bank-Dfid UBE Project in 16 States	Copy	JICA	
9	School Education in Nigeria Preparing for Universal Basic Education	Copy	World Bank	2003
10	Macmillan Primary Social Studies Book 2	Original	Federal Republic of Nigeria	1998
11	Oxford Primary Mathematics for Nigerian Primary Schools Book 2	Original	Federal Republic of Nigeria	1998
12	English for Primary Schools　Pupil's Book 2	Original	Federal Republic of Nigeria	1989
13	Federal Ministry of Education Science and Technology Lagos National Syllabus for Primary School	Original	Federal Republic of Nigeria	1984
14	National parent Teacher Association of Nigeria Governing Constitution and Standing Orders	Original	Federal Republic of Nigeria	1995
15	Education Sector Status report	Copy	FME	2003
16	Historical Background on the Development of Education in Nigeria	Original	UNESCO	2003
17	Problems of Education in Nigeria	Original	UNESCO	2003

No.	Title	Original or Copy	Organization	Year
18	Discussion Draft School Education in Nigeria : Preparing for Universal Basic education	Copy	World Bank	2003
19	Annual Report on the Activities of the Board (January-December, 2001) and year 2002 Action Plan	Copy	Kaduna SPEB	2002
20	Niger State Education Statistics	Original	Niger State	2000
21	Self-help Project Implementation Manual (Phase 2)	Original	UBE (FME)	2002
22	Project Implementation Manual (UBEP)	Original	UBE (FME)	2003
23	Basic Education Statistics for 2000/2001 and 2001/2002 AC year	Copy	UBE (FME)	2003
24	2003-2005 Rolling Budget Proposal	Copy	UBE (FME)	2002
25	UBE Annul Report 2002	Original	UBE (FME)	2002
26	UBE Forum Vol. 2 No.2	Original	UBE (FME)	2002
27	A Bill for on Act to Provide for completely free, Universal Basic Education; and for connected purposes (HB 36)	Copy	Federal Republic of Nigeria	2003

Appendix – 7

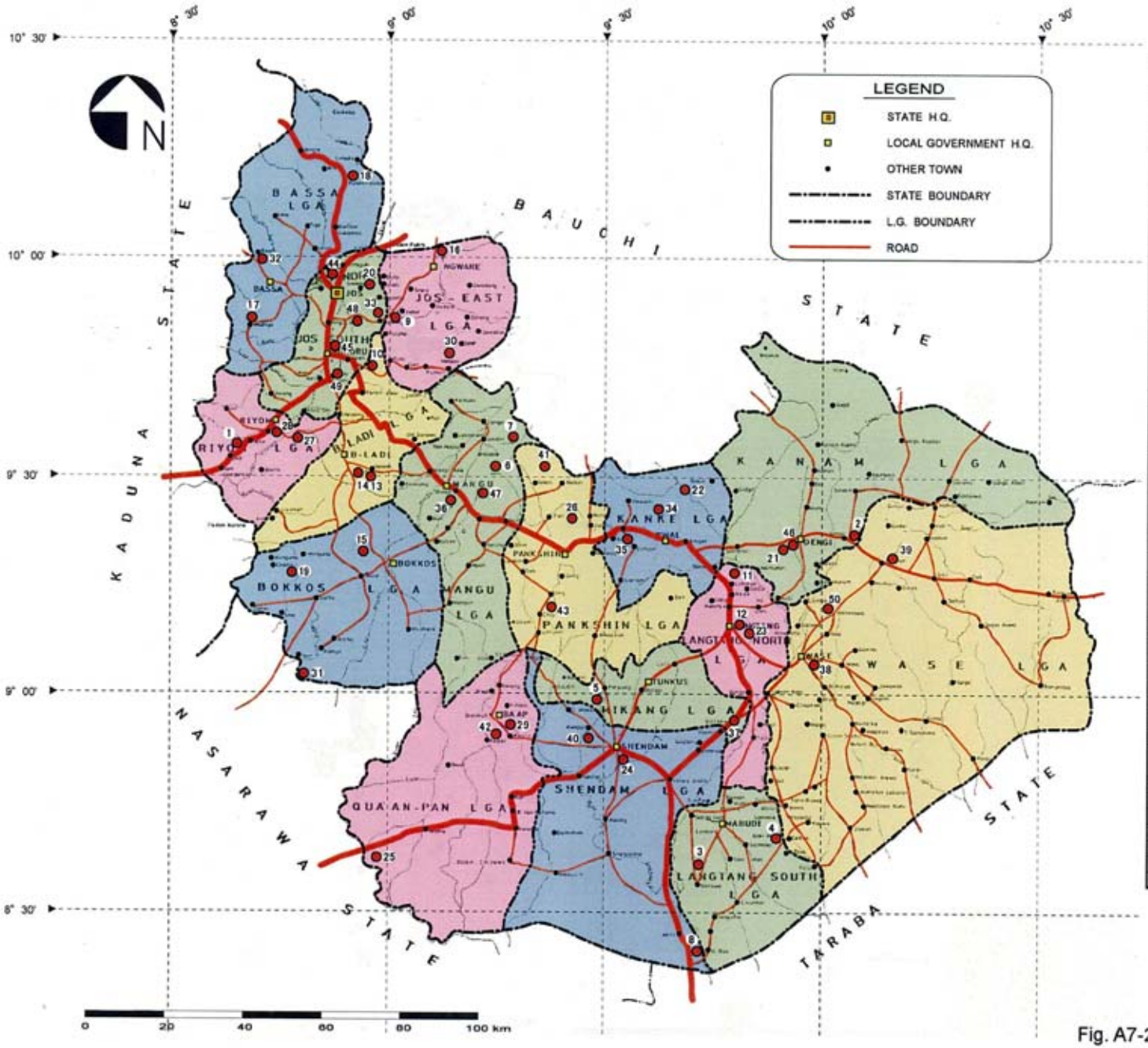
Location Map of the Study Schools



No.	Name of School	LGA
1	Barkin Sale	Minna
2	Korokpa	Paikoro
3	Rafin Kuka	Shiroro
4	Chukuba	Shiroro
5	Bikin Iku	Suleja
6	Wushishi Model	Wushishi
7	Ibrahim Tako	Bida
8	Central Sarkipawa	Munya
9	Rafin Karma	K/Gora
10	Gbara	Mokwa
11	Rafin Mota	Rijau
12	Etsu Nuhu	Agaie
13	Makafu UBE Prim. Sch.	Gbako
14	Sangi	Edati
15	Tudunfulani Gabas	Bosso
16	Karaya	Rafi
17	Salka Cent.	Magama
18	Central P. S.	Agwara
19	Bangi Cent.	Mariga
20	Bussu	Lavun
21	Garam	Tafa

A7-1

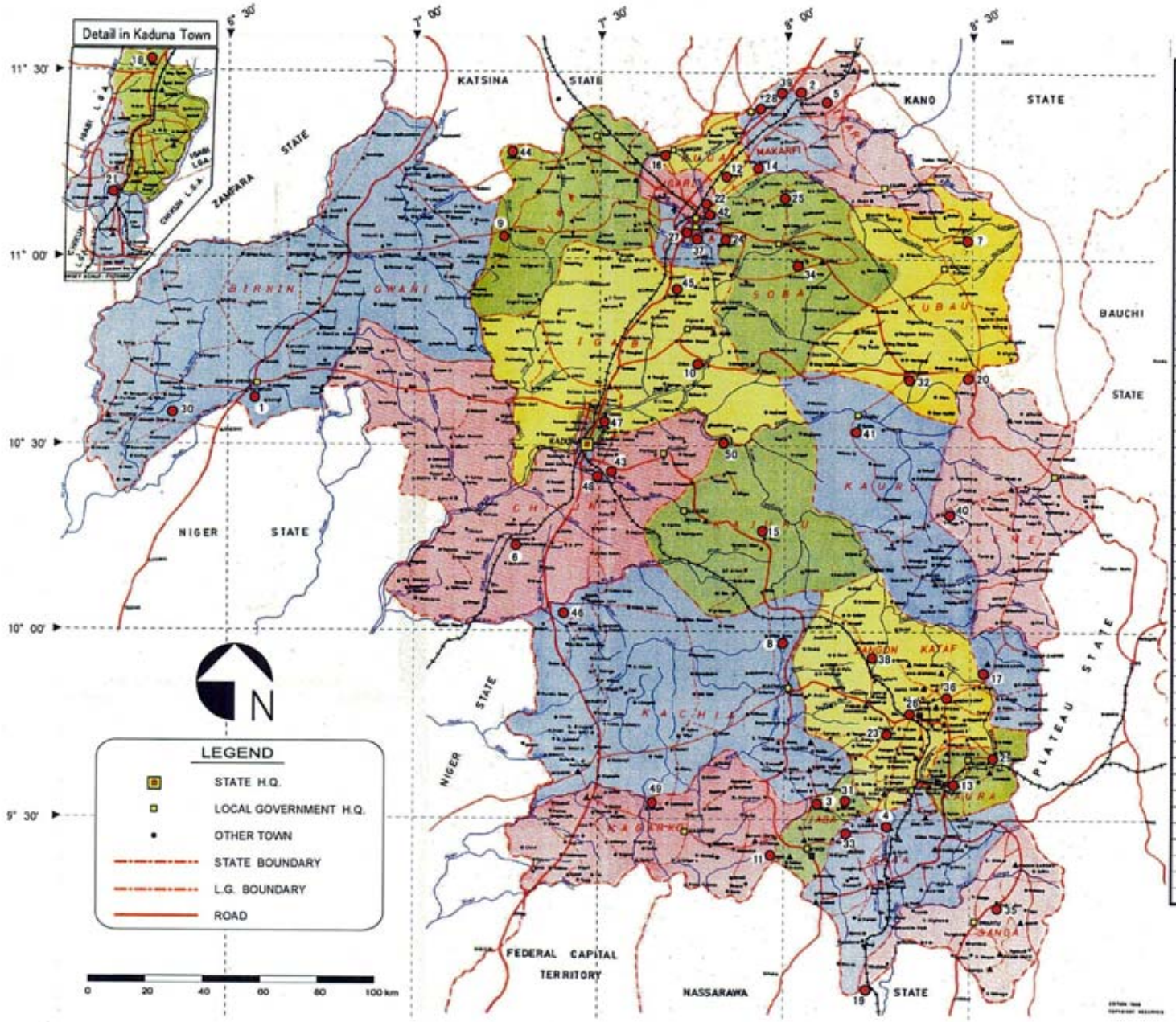
Fig. A7-1 Location Map of Study Schools
(Requested Schools) [Niger State]



A7-2

No.	Name of School	LGA
1	Kwakwi Station LEA	Riyom
2	Ungwa Hausawa LEA	Kanam
3	Mahanga LEA	Langtang South
4	Zamya LEA	Langtang South
5	Zomo Nom.	Mikang
6	Angwan Baraya	Mangu
7	Bandi LEA	Mangu
8	Kuka Primary School	Shendam
9	LEA Rizek	Jos East
10	Ratasho LEA	Barkin Ladi
11	Lohmak LEA	Langtang North
12	Ndem LEA	Langtang North
13	LEA Wereh	Barkin Ladi
14	St. Philip's Gana-Ropp	Barkin Ladi
15	Butura Kampani	Bokkos
16	LEA Gada	Jos East
17	Ecwa Miango	Bassa
18	Fuskar Mata	Bassa
19	LEA Hurti	Bokkos
20	Gwong LEA	Jos North
21	Gar Primary School	Kanam
22	Gyangyang LEA	Kanke
23	Maggai LEA	Langtang North
24	Kwansan LEA	Shendam
25	Aningo LEA	Qua' an Pan
26	Kadyis LEA	Pankshin
27	LEA Tashek	Riyom
28	Gol-Hoss LEA	Riyom
29	LEA Tim	Qua' an Pan
30	LEA Maijuju	Jos East
31	Central School Kamwai	Bokkos
32	Binshi LEA	Bassa
33	Lamingo LEA	Jos North
34	Bolkon LEA	Kanke
35	Sharam LEA	Kanke
36	LEA Millet	Mangu
37	Ekan Garkawa	Mikang
38	Ang. Mallam Adama	Wase
39	Pilot Central Bashar	Wase
40	Laraba LEA	Shendam
41	LEA Gilling	Pankshin
42	LEA Kopfogom	Qua' an Pan
43	LEA Dungye	Pankshin
44	Russau LEA	Jos North
45	Ekan Zawan	Jos South
46	Kingyel LEA	Kanam
47	Kombuli LEA	Mangu
48	LEA Kwang	Jos South
49	LEA Kanadap	Jos South
50	Pilot Lamba	Wase

Fig. A7-2 Location Map of Study Schools
(Requested Schools) [Plateau State]



No.	Name of School	LGA
1	Bagoma	B/Gwari
2	Auchan Central	Ikara
3	Kuryas	Jaba
4	Ung. Rana Baduku	Jema'a
5	Gangarida	Ikara
6	Gwagwada	Chikun
7	Gadas	Kubau
8	Kurmin Biri- I	Kachia
9	Kidandan	Giwa
10	Gadangayan	Igabi
11	Shadalafiya	Kagarko
12	Likoro	Kudan
13	Safiogida	Kaura
14	Aba Malam- I	Makarfi
15	Doka	Kajuru
16	Ung. Madauchi	Kudan
17	Zanbina	Kauru
18	Ung. Gwari	Kaduna North
19	Wasa	Sanga
20	Maigamo	Lere
21	Faki Road	Kaduna South
22	Muchia	Sabongari
23	Sakwan	Z/Kataf
24	Tankarau Nomadic	Zaria
25	Richifa	Soba
26	Zonkwa-VI	Z/Kataf
27	Gaskiya	Zaria
28	Sada	Makarfi
29	Zankan	Kaura
30	Dawaki Bassa	B/Gwari
31	Fai	Jaba
32	Ung. Sarki Pambeguwa	Kubau
33	LEA Asso	Jema'a
34	Soba Central	Soba
35	Tattaura	Sanga
36	Angwan Tobo	Z/Kataf
37	Abdulrahman Mora	Zaria
38	Kamuru- II	Z/Kadaf
39	Kadabo	Makarfi
40	Gure - I	Lere
41	Danmaikogi - I	Kauru
42	Jushi	Sabongari
43	Sabon Yelwa	Chikun
44	Kaya	Giwa
45	Zangonaya	Igabi
46	Katambi	Kachia
47	Ibrahim Taiwo	Kaduna North
48	Maichibi - I	Kaduna South
49	Kusha - II	Kagarko
50	Gefe	Kajuru

Fig. A7-3 Location Map of Study Schools
(Requested Schools) [Kaduna State]

Appendix – 8

Number of Required Additional Teachers for the Project

計画実施に伴う計画対象校教員増員必要数

通番	記号	サイト番号	学校名	LGA	生徒数	学級数	ストリーム(#:不規則)	二部制適用	複式学級適用	生徒数／45人	教師数	NCE以上の資格を有する教師数	教師1人当たり生徒数	NCE以上の資格の教師一人当たり生徒数	望ましい学級数	教師過不足(マイナス:不足)	協力対象校　教師増員必要数	建設教室数
	ナイジャー州																	
2	N2	NG-9	Korokpa	Paikolo	450	15	#	0	1	10	20	9	23	50	9	11	0	5
3	N3	NG-11	Rafin Kuka	Shiroro	256	8	#	0	1	6	23	1	11	256	6	17	0	4
5	N5	NG-12	Bakin Iku	Suleja	738	9	#	1	0	16	16	10	46	74	15	1	0	6
8	N8	NG-8	Central Sarkipawa	Murya	759	16	#	1	1	17	20	2	38	380	18	2	0	7
11	N11	NG-10	Rafin Mota	Rijau	541	15	#	0	1	12	20	6	27	90	12	8	0	6
12	N12	NG-1	Etsu Nuhu	Agaie	450	5	#	0	0	10	28	9	16	50	9	19	0	3
13	N13	NG-4	Makafu UBE Prim. Sch	Gbako	202	6	#	0	0	4	10	3	20	67	3	7	0	3
14	N14	NG-3	Sangi	Edati	266	7	#	0	0	6	29	10	9	27	6	23	0	4
15	N15	NG-2	Tudunfulani Gabas	Bosso	212	5	#	0	0	5	10	6	21	35	6	4	0	6
17	N17	NG-6	Salka Cent.	Magama	1,403	33	#	0	1	31	29	11	48	128	30	-1	1	17
19	N19	NG-7	Bangi Cent	Mariga	1,017	24	#	0	1	23	21	1	48	1,017	24	-3	3	10
20	N20	NG-5	Bussu	Lavun	570	11	#	0	0	13	21	1	27	570	12	9	0	7
					6,864	154		2	6	153	247	69	28	99	150	97	4	78
	プラトー州																	
72	P1	PL-24	Kwakwi Station LEA	Riyom	158	8	#	0	1	4	6	2	26	79	3	3	0	3
73	P2	PL-12	Ungwa Hausawa LEA	Kanam	580	13	#	0	1	13	4	2	145	290	12	-8	8	11
76	P5	PL-22	Zomo Nom	Mikang	442	13	#	0	1	10	14	3	32	147	9	5	0	8
77	P6	PL-19	Angwan Baraya	Mangu	273	8	#	0	1	6	7	2	39	137	6	1	0	4
79	P8	PL-25	Kuka Primary School	Shendam	779	23	#	0	1	17	6	4	130	195	18	-12	12	12
82	P11	PL-16	Lohmak LEA	Langtang Nor	411	9	#	0	0	9	9	6	46	69	9	0	0	7
83	P12	PL-18	Ndem LEA	Langtang Nor	521	14	#	1	1	12	9	9	58	58	12	-3	3	8
84	P13	PL-1	LEA Wereh	Barkin Ladi	250	6	1	0	0	6	9	9	28	28	6	3	0	4
85	P14	PL-2	St. Philips Gana-Ropp	Barkin Ladi	523	14	#	0	1	12	12	8	44	65	12	0	0	6
86	P15	PL-5	Butura Kampani	Bokkos	376	7	#	0	1	8	13	10	29	38	9	4	0	3
87	P16	PL-6	LEA Gada	Jos East	552	23	#	1	1	12	18	13	31	42	12	6	0	6
88	P17	PL-4	Ecwa Miango	Bassa	633	12	2	0	1	14	11	4	58	158	15	-4	4	6
91	P20	PL-7	Gwong LEA	Jos North	1,143	23	#	0	1	25	32	20	36	57	24	8	0	10
92	P21	PL-10	Gar Primay School	Kanam	542	11	#	0	0	12	5	2	108	271	12	-7	7	6
93	P22	PL-14	Gyangyang LEA	Kanke	388	13	#	0	1	9	11	5	35	78	9	2	0	4
94	P23	PL-17	Maggai LEA	Langtang Nor	287	7	#	0	1	6	6	3	48	96	6	0	0	5
99	P28	PL-23	Gol-Hoss LEA	Riyom	285	2	#	0	1	6	7	4	41	71	6	1	0	4
103	P32	PL-3	Binchi LEA	Bassa	406	12	2	0	1	9	11	2	37	203	9	2	0	3
105	P34	PL-13	Bolkon LEA	Kanke	253	8	#	0	1	6	4	2	63	127	6	-2	2	3
106	P35	PL-15	Sharam LEA	Kanke	295	7	#	0	1	7	7	6	42	49	6	1	0	3
107	P36	PL-20	LEA Millet	Mangu	395	10	#	0	1	9	9	6	44	66	9	0	0	3
108	P37	PL-21	Ekan Garkawa	Mikang	749	24	#	1	1	17	23	6	33	125	18	5	0	9
116	P45	PL-8	Ekan Zawan	Jos South	570	9	#	0	1	13	12	4	48	143	12	0	0	3
117	P46	PL-11	Kingyel LEA	Kanam	436	7	#	0	0	10	5	2	87	218	9	-4	4	5
120	P49	PL-9	LEA Kanadap	Jos South	401	12	#	0	1	9	12	8	33	50	9	3	0	6
121	P50	PL-26	Pilot Lamba	Wasse	552	8	#	0	1	12	7	4	79	138	12	-5	5	5
					12,200	303		3	22	273	269	146	45	84	201	-1	45	147
	カドゥナ州																	
23	K2	KD-5	Auchan Central		810	17	#	1	0	18	22	9	37	90	18	4	0	7
24	K3	KD-6	Kuryas		911	21	#	1	0	20	15	5	61	182	21	-6	6	15
25	K4	KD-8	Ung. Rana Baduku		1,005	16	#	0	1	22	16	8	63	126	21	-5	5	17
27	K6	KD-2	Gwagwada		371	9	#	0	1	8	9	1	41	371	9	0	0	3
28	K7	KD-9	Gadas		185	6	1	0	1	4	3	1	62	185	3	0	0	3
29	K8	KD-10	Kurmin Biri I		506	11	#	0	0	11	10	5	51	101	12	-2	2	7
31	K10	KD-4	Gadangayan		922	20	#	1	0	20	16	3	58	307	21	-5	5	13
32	K11	KD-13	Shadarafiya		473	6	1	0	0	11	5	2	95	237	12	-7	7	7
33	K12	KD-21	Likoro		893	15	#	0	1	20	15	7	60	128	21	-6	6	10
34	K13	KD-15	Safiogida		517	13	#	1	0	11	15	7	34	74	12	3	0	8
36	K15	KD-14	Doka		539	13	#	0	0	12	14	2	39	270	12	2	0	3
37	K16	KD-22	Ung. Madauchi		263	6	1	0	1	6	6	5	44	53	6	0	0	5
38	K17	KD-18	Zanbina		550	11	#	0	0	12	8	5	69	110	12	-4	4	4
41	K20	KD-23	Maigamo		447	10	#	1	0	10	28	5	16	89	9	19	0	3
44	K23	KD-29	Sakwan		368	10	#	0	1	8	5	3	74	123	9	-4	4	5
45	K24	KD-32	Tankarau Nomadic		421	9	#	0	0	9	7	7	60	60	9	-2	2	3
47	K26	KD-30	Zonkwa VI		930	26	#	0	0	21	22	18	42	52	21	1	0	12
49	K28	KD-25	Sada		665	15	#	0	0	15	17	8	39	83	15	2	0	8
50	K29	KD-16	Zankan		383	10	#	0	0	9	13	6	29	64	9	4	0	5
51	K30	KD-1	Dawaki Bassa		747	20	#	0	1	17	9	6	83	125	18	-9	9	11
53	K32	KD-20	Udg. Sarki Pambeguwa		738	16	#	1	0	16	11	7	67	105	15	-4	4	9
54	K33	KD-7	LEA Asso		1,030	12	2	1	0	23	9	4	114	258	24	-15	15	23
55	K34	KD-27	Soba Central		1,081	12	2	0	0	24	22	12	49	90	24	-2	2	8
58	K37	KD-31	Abdulrahman Mora		629	15	#	1	0	14	24	15	26	42	15	9	0	11
59	K38	KD-28	Kamuru II		449	11	#	0	1	10	5	2	90	225	9	-4	4	4
60	K39	KD-24	Kadabo		203	7	#	0	1	5	4	1	51	203	6	-2	2	6
62	K41	KD-17	Danmaikogi I		338	9	#	0	1	8	8	5	42	68	9	-1	1	7
63	K42	KD-26	Jushi		1,031	22	#	1	0	23	28	14	37	74	24	4	0	18
65	K44	KD-3	Kaya		781	7	#	0	0	17	9	5	87	156	18	-9	9	11
67	K46	KD-9	Katambi		254	6	1	0	1	6	9	1	28	254	6	3	0	5
68	K47	KD-11	Ibrahim Taiwp		1,027	21	#	0	0	23	37	27	28	38	24	13	0	4
70	K49	KD-12	Kushe II		613	12	2	0	0	14	8	1	77	613	15	-7	7	10
					20,080	414		9	11	447	429	207	47	97	459	-30	94	265
				合計	39,144	871		14	39	873	945	422	120	280	810	66	143	490

Appendix – 9

Water Supply Conditions in the Study Area

Table 1 Summary of Water Supply Condition for Study Area

State	No. of Schools	Water Supply in the School				Water Supply in the Surrounding Area ot the School					Dry up in the Dry Season			Water Quality		Deep Well Construction		Evaluation	Remarks
		Nothing	Sallow Well	Deep Well	Public Water	River	Public Shallow Well	Personal Shallow Well	Public Deep Well	Public Water	Nothing	Partly	Almost	Good	Bad	Possible	Difficult		
Niger	21	19	○1+△1	0	1	9	10	○0+△5	8	6	17	1	3	13	8	19	2	A2+B3	
Kaduna	50	32	○5+△5	2	6	2	16	○31+△3	13	8	36	5	9	42	8	49	1	A3+B4	
Plateau	50	35	○2	3	0	18	20	○24	10	2	29	10	11	41	9	44	6	A6+B12	
Total	121	86	○8+△6	5	7	29	46	○55+△8	31	16	82	16	23	96	25	112	9	A11+B19	

Table 2 Water Supply Condition for Study Area (NIGER State)

Site No.	School Name	LGA	Water Supply in the School				Water Supply in the Surrounding Area ot the School					Dry up in the Dry Season			Water Quality		Deep Well Construction		Population		Evallu-ation	Remarks
			Nothing	Sallow Well	Deep Well	Public Water	River	Public Shallow Well	Personal Shallow Well	Public Deep Well	Public Water	Nothing	Partly	Almost	Good	Bad	Possible	Difficult	School	Village		
1	Barkin Sale	Minna	○						△ (part)	○(3)	○	○			△(well)		○		1,737	20,000	D	
2	Korokpa	Paikoro	○								○(far)	○			○		○		450	14,000	C	Using water tub in a pump station
3	Rafin Kuka	Shiroro	○				○					○				○	○		256	8,000	A	Deterioration of water quality at dry seasc
4	Chukuba	Shiroro	○				○					○				○		○	65	2,000	E	Difficulty of transportation of drilling rig
5	Bikin Iku	Suleja	○						△ (part)		○	○			○(shallow well)		○		738	22,000	D	
6	Wushishi Model	Wushishi				○	○		△ (part)	○(far)	○(far)	○			○		○		1,575	47,000	C	
7	Ibrahim Tako	Bida		△(closed)				○	△ (part)		○(far)			○		○(shallow well)	○		1,526	46,000	C	pH5.1., Water Supply Tap in the dinstano
8	Central Sarkipawa	Munya		○				○		○(2/4)		○			○		○		759	23,000	C	
9	Rafin Kama	Konta Gora	○				○	○					○		○		○		197	6,000	C	
10	Gbara	Mokwa	○				○			○(1)		○			○		○		284	9,000	C	
11	Rafin Mota	Rijau	○					○(1)	△ (part)					○		○(stream)	○		541	16,000	B	High turbidity, High Potassium per manganate consumed
12	Etsu Nuhu	Agaie	○				○	○(1)				○				○(shallow well)	○		450	14,000	B	High turbidity
13	Makafu UBE Prim.Sch.	Gbako	○					○(2)		○(1)				○	○(deep well)		○		202	6,000	C	
14	Sangi	Edati	○				○					○			○		○		266	8,000	B	200m to the stream
15	Tudunfulani Gabas	Bosso	○				○(pond)					○				○		○	212	6,000	E	Hard rock hill area
16	Karaya	Rafi	○					○		○(1)		○				○(shallow well)	○		227	7,000	C	High turbidity, High Potassium per manganate consumed
17	Salca Cent	Magama	○							○(1)	○	○			○		○		1,403	42,000	D	
18	Central P.S.	Agwara	○				○					○			○		○		650	20,000	A	Far to the water point (2-3km)
19	Bangi Cent.	Mariga	○					○(9)		○(2)		○				○(shallow well)	○		1,017	31,000	C	
20	Bussu	Lavun	○					○(3)				○			○		○		570	17,000	C	500-600m transportation from the village
21	Garam	Tafa	○					○				○			○		○		442	13,000	C	
Total			19	○1+△1	0	1	9	10	○0+△5	8	6	17	1	3	13	8	19	2			A2+B3	

Note: The project schools are marked with light blue.

Table3 Water Supply Condition for Study Area (PLATEAU State)

Site No.	School Name	LGA	Water Supply in the School				Water Supply in the Surrounding Area ot the School					Dry up in the Dry Season			Water Quality		Deep Well Construction		Population		Evallu-ation	Remarks
			Nothing	Sallow Well	Deep Well	Public Water	River	Public Shallow Well	Personal Shallow Well	Public Deep Well	Public Water	Nothing	Partly	Almost	Good	Bad	Possible	Difficult	School	Village		
1	Kwakwi StationLEA	Riyom	O				O		O			O				O(stream)	O		158	5,000	C	High turbidity and colliform
2	Ungwa Hausawa LEA	Kanam	O						O				O			O(shallow well)		O	580	17,000	E	High colliform
3	Mahanga LEA	Langtang South	O				O							O	O			O	780	23,000	E	Yield in difficulty
4	Zamya LEA	Langtang South	O				O	O				O			O(shallow well)			O	145	4,000	E	Yield in difficulty
5	Zomo Nom.	Mikang	O				O						O			O	O		442	13,000	A	3km to stream
6	Angwan Baraya	Mangu	O				O						O		O		O		373	11,000	B	1km to stream
7	Badui LEA	Mangu	O						O				O		O		O		156	5,000	C	
8	Kuka Primary School	Shendam	O				O					O				O		O	779	23,000	E	Yield in difficulty
9	LEA Rizek	Jos East	O						O			O			O		O		290	9,000	C	
10	Ratasho LEA	Barkin Ladi	O						O			O			O		O		104	3,000	C	
11	Lohmak LEA	Langtang North	O						O			O			O		O		411	12,000	C	
12	Ndem LEA	Langtang North	O					O					O			O	O		521	16,000	B	
13	LEA Wereh	Barkin Ladi	O					O	O			O			O		O		250	8,000	C	
14	St.Philip's Gana-Ropp	Barkin Ladi		O				O	O			O			O		O		523	16,000	B	Low pH
15	Butra Kampani	Bokkos	O						O				O		O		O		376	11,000	C	
16	LEA Gada	Jos East	O				O			O(far)		O			O		O		552	17,000	C	400m to stream., 1km to well
17	Ecwa Miango	Bassa	O						O			O			O		O		633	19,000	C	
18	Fuskar Mata	Bassa	O						O	O		O			O		O		450	14,000	C	
19	LEA Hurti	Bokkos	O				O	O				O			O		O		338	10,000	C	
20	Gwong LEA	Jos North	O						O		O	O			O		O		1,143	34,000	D	
21	Gyangyang Primary School	Kanam	O				O	O				O			O		O		542	16,000	C	
22	Gyangyang LEA	Kanke	O				O	O						O		O(shallow well)	O		388	12,000	B	200m-1km to stream
23	Maggai LEA	Langtang North	O					O					O			O	O		287	9,000	B	
24	Kwansan LEA	Shedam	O				O		O					O	O		O		222	7,000	B	1km to stream
25	Aningo LEA	Qua'an Pan	O				O					O			O			O	225	7,000	E	Yield in difficulty
26	Kadyis LEA	Pankshin	O					O						O	O		O		164	5,000	B	
27	LEA Tashek	Riyom	O				O					O			O		O		256	8,000	A	3km to stream
28	Gol-Hoss LEA	Riyom	O						O					O	O		O		285	9,000	A	2km to stream
29	LEA Tim	Qua'an Pan	O					O		O		O			O		O		244	7,000	C	
30	LEA Maijuju	Jos East	O					O	O	O		O			O(shallow well)		O		488	15,000	C	
31	Central School Kanwai	Bokkos	O				O						O		O		O		334	10,000	B	1km to stream
32	Binchi LEA	Bassa	O						O			O			O		O		406	12,000	C	
33	Lamingo LEA	Jos North		O					O			O			O		O		514	15,000	C	
34	Boikon LEA	Kanke	O					O						O	O		O		253	8,000	B	1km to stream
35	Sharam LEA	Kanke	O					O	O	O(far)		O			O		O		295	9,000	C	
36	LEA Millet	Mangu	O						O					O	O		O		395	12,000	B	1.5km to stream
37	Ekan Gargawa	Mikang	O					O				O			O		O		749	22,000	C	
38	Ang.Mallan Adama	Wase	O				O					O			O		O		1,161	35,000	B	1km to stream
39	Pilot Ceneral Bashar	Wase	O					O		O(far)				O		O(stream)	O		1,180	35,000	A	3km to well,5km to stream,Colliform
40	Laraba LEA	Shendam	O					O		O(dry)				O	O		O		390	12,000	B	
41	LEA Gilling	Pankshin	O					O	O			O			O		O		113	3,000	C	
42	LEA Koplogom	Qua'an Pan			O					O				O		O		O	321	10,000	E	Well dried up. Shillow rock layer
43	LEA Dungyel	Pankshin	O				O						O		O		O		260	8,000	A	2km to stream
44	Russau LEA	Jos North		O				O	O		O	O			O		O		406	12,000	D	
45	Ekan Zawan	Jos South	O						O	O(far)		O			O		O		570	17,000	C	1km to deep well
46	Kingyal LEA	Kanam			O				O	O		O			O		O		436	13,000	D	
47	Konbuli LEA	Mangu	O				O		O				O		O		O		386	12,000	C	500m to stream
48	LEA Kwang	Jos South	O					O		O(far)		O			O		O		405	12,000	C	1km to deep well
49	LEA Kanadap	Jos South	O					O				O			O		O		401	12,000	C	
50	Pilot Lamba	Wase	O					O						O	O		O		552	17,000	A	2-6km to stream
Total			35	2	3	0	18	20	24	10	2	29	10	11	41	9	44	6			A6+B12	

Note: The project schools are marked with light blue.

Table 4 Water Supply Condition for Study Area (KADUNA State)

Site No.	School Name	LGA	Water Supply in the School				Water Supply in the Surrounding Area ot the School					Dry up in the Dry Season			Water Quality		Deep Well Construction		Population		Evallu-ation	Remarks
			Nothing	Sallow Well	Deep Well	Public Water	River	Public Shallow Well	Personal Shallow Well	Public Deep Well	Public Water	Nothing	Partly	Almost	Good	Bad	Possible	Difficult	School	Village		
1	Bagoma	Birnin Gwari				○		○(2)	○			○			○		○		388	12,000	D	
2	Auchan Central	Ikara	○								○	○			△		○		810	24,000	D	
3	Kuryas	Jaba	○					○		○		○			○		○		911	27,000	C	
4	Ung.Rana Baduke	Jema'a	○						○				○		○		○		1,005	30,000	C	
5	Gangarida	Ikara	○					○(20)				○				○(shallow well	○		266	8,000	B	High turbidity and colliform
6	Gwagwada	Chikun	○						○	○(1/3)		○			○		○		371	11,000	C	
7	Gadas	Kubau	○						○					○		○(shallow well	○		185	6,000	A	Stream water when dry up of well
8	Kurmin Biri-I	Kachia		△(closed)					○			○			○		○		506	15,000	C	
9	Kidandan	Giwa		○					○	○(1)		○			○		○		1,729	52,000	C	
10	Gadangaya	Igabi	○						○					○	○		○		922	28,000	A	Stream water when dry up of well
11	Shadalafiya	Kagarko	○					○	○			○			○		○		473	14,000	C	
12	Likoro	Kudan		△(closed)					○	○(3)				○	○		○		893	27,000	C	
13	Safiogida	Kaura			○		○	○(3)		○(2)				○		○(shallow well	○		517	16,000	C	High turbidity and colliform
14	Aba Malam-I	Makarfi	○						○			○			○		○		104	3,000	C	
15	Doka	Kajuru		○					○			○			○		○		539	16,000	D	
16	Ung. Madauchi	Kudan		○					○			○			△		○		263	8,000	C	
17	Zanbina	Kauru	○					○		○(1/5)				○		○(shallow well	○		550	17,000	C	High turbidity and colliform
18	Ung. Gwari	Kaduna North				○			△(part)		○	○			○		○		195	6,000	D	
19	Wasa	Sanga	○					○	○			○			○		○		676	20,000	C	
20	Maigamo	Lere	○						○			○			△		○		447	13,000	C	
21	Faki Road	Kaduna South	○						△(part)		○	○			○		○		2,133	64,000	D	
22	Muchia	Sabongari				○					○	○			○		○		1,578	47,000	D	
23	Sakwan	Zangon Kataf	○					○(3)						○	○			○	368	11,000	E	Shallow rock layer
24	Tankarau Nomadic	Zaria	○						○			○			○		○		421	13,000	C	
25	Richifa	Soba		○					○			○			○		○		440	13,000	C	
26	Zonkwa-VI	Zangon Kataf	○						○			○			○		○		930	28,000	C	
27	Gaskiya	Zaria		△(closed)					○			○			○		○		1,597	48,000	C	
28	Sada	Makarfi		△(closed)				○		○			○		○		○		665	20,000	C	
29	Zankan	Kaura			○			○(3)		○(2)				○	○		○		383	11,000	C	
30	Dawaki Bassa	Birnin Gwari	○					○(2)	○	○(2)		○				○(shallow well	○		747	22,000	C	High colliform
31	Fai	Jaba	○						○			○			○		○		806	24,000	C	
32	Ung.Sarki Pampenguwa	Kubau	○						○			○			○		○		738	22,000	C	
33	LEA Asso	Jema'a	○					○		○			○		○		○		1,030	31,000	C	
34	Soba Central	Jaba		○					○			○			○		○		1,081	32,000	C	
35	Tattaura	Sanga	○						○			○			○		○		329	10,000	C	
36	Angwan Tobo	Zangon Kataf	○					○					○		○		○		304	9,000	C	
37	Abdulrahman Mora	Zaria				○					○	○			○		○		629	19,000	D	
38	Kamuru-II	Zangon Kataf	○					○		○(0/1)			○		○		○		449	13,000	C	
39	Kadabo	Makarfi	○					○(2)	○			○			○		○		203	6,000	C	
40	Gure-I	Lere	○						○			○			○		○		1,567	47,000	C	
41	Danmaikogi-I	Kauru	○						○	○(1)				○	○		○		338	10,000	C	
42	Jushi	Sabongari	○						○			○			○		○		1,031	31,000	C	
43	Sabon Yelwa	Chikun		△(closed)					△(part)		○	○			○		○		1,572	47,000	D	
44	Kaya	Giwa	○						○			○				○(shallow well	○		781	23,000	B	High iron and colliform
45	Zangonaya	Igabi	○						○			○				○(shallow well	○		1,543	46,000	B	High turbidity and colliform
46	Katambi	Kachia	○				○	○(5)		○(0/1)				○	○		○		254	8,000	A	Mainly stream water
47	Ibrahim Taiwo	Kaduna North				○					○	○			○		○		1,027	31,000	D	
48	Maichibi-I	Kaduna South				○					○	○			○		○		2,680	80,000	D	
49	Kushe-II	Kagarko	○						○			○				○(shallow well	○		613	18,000	B	High turbidity and colliform
50	Gefe	Kajuru	○						○			○			○		○		327	10,000	C	
箇所数			32	○5+△5	2	6	2	16	○31+△3	13	8	36	5	9	42	8	49	1			A3+B4	

Note: The project schools are marked with light blue.