

Table 5.2.1.1-8 Survey Result of Woreta PCO Subscriber Station (No.8/Bawabat)

(1) Site Information

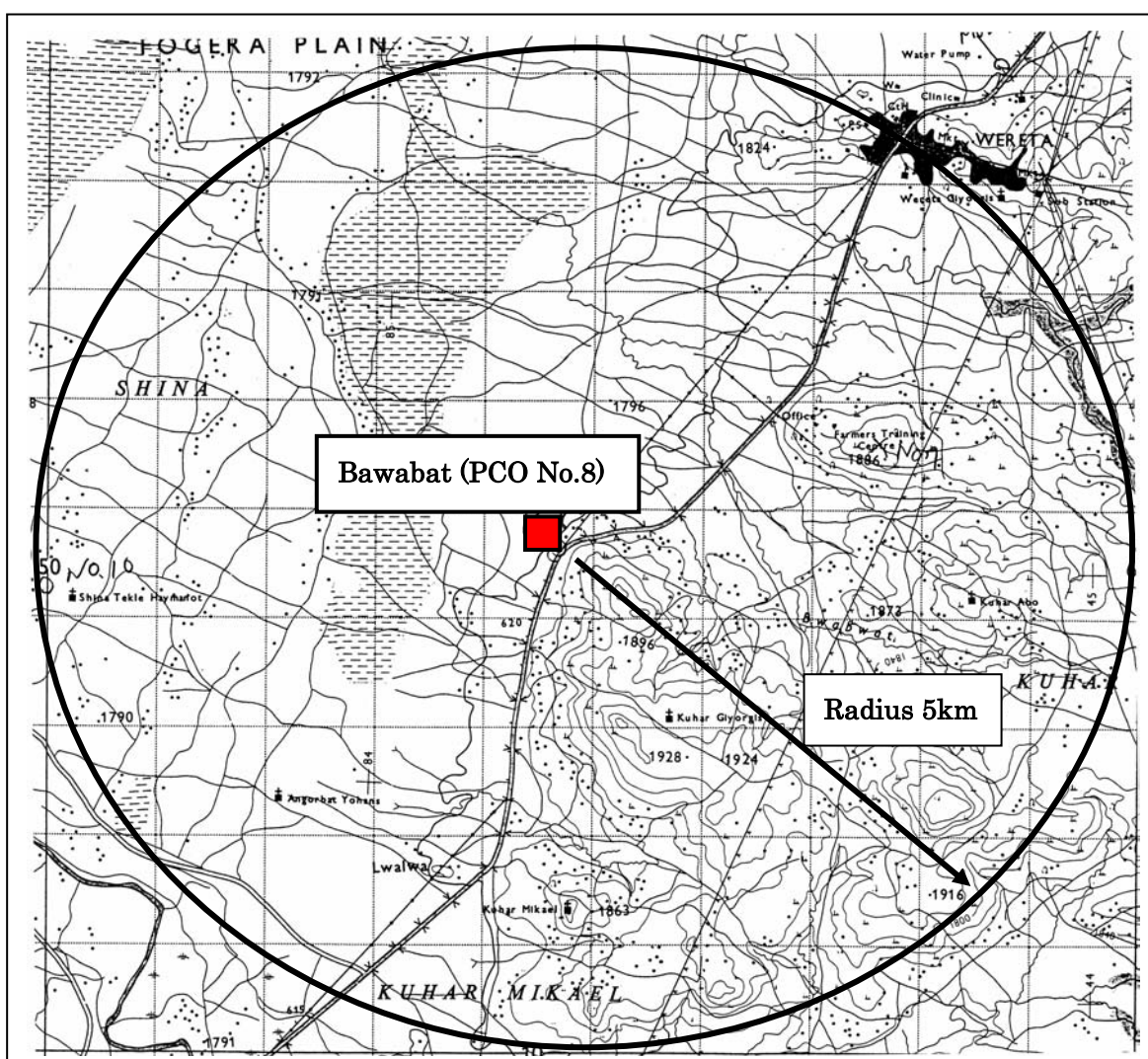
<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. Location	Site Name	Bawabat (Road Side)	Map Survey Data
	Address		
	Latitude	11° 53' 28" N	
	Longitude	37° 39' 50" E	
	Above Sea Level	1,800 m	
	Site condition	Attachment 5.2.1.1-No.8	
2. Station	Building Structure	None	Required
3. Power	Commercial Power	None	Solar power system required
4. Grounding	Indoor Grounding	None	Required
	Outdoor Grounding	None	Required
5. Equipment Installation	Vehicle Access Road	OK	Use empty space
	Material Temporary Storage	20mx20m (Empty space on the opposite side of the road)	
	Vehicle Carrying in/Parking	OK	
	Minimum Entrance Security Guard	Carry-in road: Along the road Required (Ask near residents)	
6. Others	Population of Site (Within 2km radius)	About 500 households	
	Temperature/Humidity/Precipitation Data		

(2) PCO Subscriber Station

<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. System	No. of Subscriber Lines	8 lines (VoIP compatible telephones)	
2. Antenna	Antenna Facility		
	PCO Antenna Height	20 m	
	PCO Antenna Direction	Azimuth: 50.9° (in the direction of base station)	
3. Tower	Presence of Towers	None	To be newly installed
	Tower Height	Pole: 20m (new installation)	To be newly installed
	Installation Location	There are installation spaces on the ground.	
4. Equipment	Space for Equipment	No space	Required shelter

(3) Subscribers (Demand Area)

Category	Survey Item	Survey Result	Remarks
1. Demand Area	Summary of Topography - Above Sea Level - Land Feature	1,800 m Outskirts of the town (along the road)	Verified by 1/50,000 map and visual check
	- House - Tree	One-story houses 15m-20m high tree standing in the direction of base station	
	Expected Demand Area	Attachment -8	



Attachment-8 Expected Demand Area (Reference)



Attachment 5.2.1.1- No.8

Table 5.2.1.1-9 Survey Result of Woreta PCO Subscriber Station (No.9/Shiga Maryam)

(1) Site Information

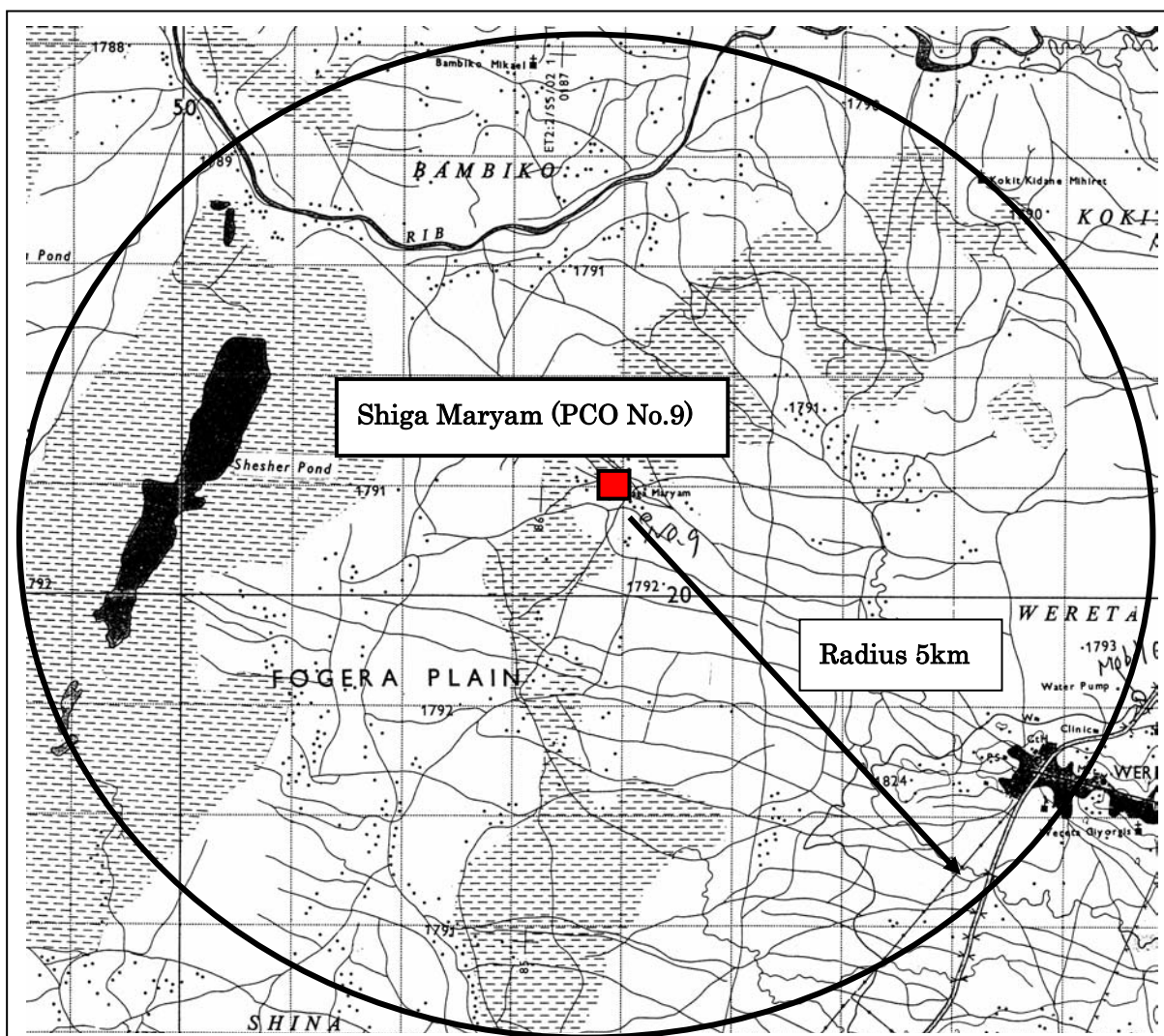
<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. Location	Site Name Address Latitude Longitude Above Sea Level Site condition	Shiga Maryam 11° 58' 56" N 37° 39' 26" E 1,792 m Attachment 5.2.1.1-No.9	Map Survey Data
2. Building	Building Structure	None	Required
3. Power	Commercial Power	None	Solar power system required
4. Grounding	Indoor Grounding Outdoor Grounding	None None	Required Required
5. Equipment Installation	Vehicle Access Road Material Temporary Storage Vehicle Carrying in/Parking Minimum Entrance Security Guard	OK (dry season only) Not required (Ask the janitor of the elementary school.)	Use empty space Request for placing
6. Others	Population of Site (Within 2km radius) Temperature/Humidity/ Precipitation Data	About 250 households	

(2) PCO Subscriber Station

<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. System	No. of Subscriber Lines	8 lines (VoIP compatible telephones)	
2. Antenna	Antenna Facility PCO Antenna Height PCO Antenna Direction	20 m Azimuth: 143.2° (in the direction of base station)	
3. Tower	Presence of Towers Tower Height Installation Location	None Pole: 20m (new installation) There are installation spaces on the ground.	To be newly installed To be newly installed
4. Equipment	Space for Equipment	No space	Required shelter

(3) Subscribers (Demand Area)

Category	Survey Item	Survey Result	Remarks
1. Demand Area	Summary of Topography		
	- Above Sea Level	1,792 m	Verified by 1/50,000 map and visual check
	- Land Feature	Flat ground (In the farm land)	
	- House	One-story houses	
- Tree	15m-20m high tree standing in the direction of base station (viewed from a distance)		
	Expected Demand Area	Attachment - 9	



Attachment-9 Expected Demand Area (Reference)



Attachment 5.2.1.1- No.9

Table 5.2.1.1-10 Survey Result of Woreta PCO Subscriber Station
(No.10/Shena Tekele Haymanot)

(1) Site Information

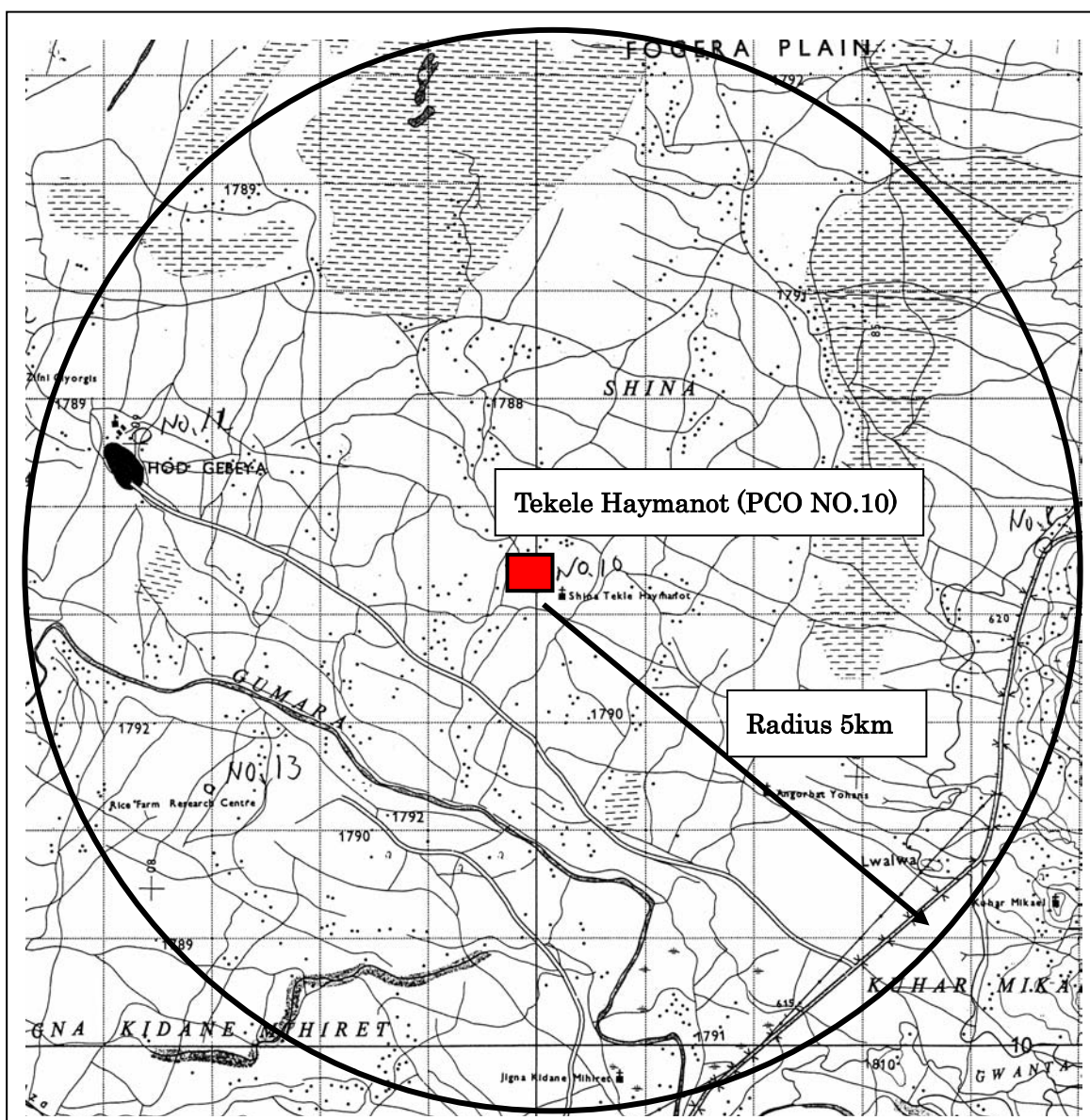
<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. Location	Site Name Address Latitude Longitude Above Sea Level Site condition	Shena Tekele Haymanot 11° 53' 20" N 37° 37' 13" E 1,790 m	Map Survey Data
2. Building	Building Structure	None	Required
3. Power	Commercial Power	None	Solar power system required
4. Grounding	Indoor Grounding Outdoor Grounding	None None	Required Required
5. Equipment Installation	Vehicle Access Road Material Temporary Storage Vehicle Carrying in/Parking Minimum Entrance Security Guard	OK (dry season only) Required (Ask someone for management.)	Use empty space Request for placing
6. Others	Population of Site (Within 2km radius) Temperature/Humidity/ Precipitation Data	About 250 households	

(2) PCO Subscriber Station

<i>Category</i>	<i>Survey Item</i>	<i>Survey Result</i>	<i>Remarks</i>
1. System	No. of Subscriber Lines	8 lines (VoIP compatible telephones)	
2. Antenna	Antenna Facility PCO Antenna Height PCO Antenna Direction	20 m Azimuth: 67.7° (in the direction of base station)	
3. Tower	Presence of Towers Tower Height Installation Location	None Pole: 20m (new installation) There are installation spaces on the ground.	To be newly installed To be newly installed
4. Equipment	Space for Equipment	No space	Required shelter

(3) Subscribers (Demand Area)

Category	Survey Item	Survey Result	Remarks
1. Demand Area	Summary of Topography		
	- Above Sea Level	1,790 m	Verified by 1/50,000 map and visual check
	- Land Feature	Flat ground (In the farm land)	
	- House	One-story houses	
- Tree			
	Expected Demand Area	Attachment - 10	



Attachment-10 Expected Demand Area (Reference)