

SITE VISIT REPORT - Construction work of the water tank foundations, installation of gutters and distribution system for rainwater harvesting in schools and health centers in Oé-Cusse

The objective of the site visit is to provide clear information to the bidders of the project site and assess the actual condition of proposed site for the construction of the Reservoir Tank and installation of the fence and rain water harvesting system. The site visit is conducted from 29th June – 1st July 2022 for 12 proposed school sites and 4 proposed Health Center Sites across four sub-regional of Oecusse. The following are the assessed school and Health Center's Sites and the findings:

1. EBF cycle 1 & 2 Oesilio

Visited on 29th June 2022; 10:35:22am

1.1 Findings:

- The school is located 26km from Pante-Macasar Town and on GPS latitude of **9°21'3.31"S and longitude of 124°22'46.12"E** approximately **445 m** above sea level;
- The school has three school buildings which two are in good condition and one in poor condition;
- Initial Proposed site for the tank base is located on the **GPS latitude 9°21'2.55"S and 124°22'46.59"E and altitude of 446m** above sea level.
- The site indicated in previous visited is not suitable for the following reasons:
 - The proposed building to install rain water system is poor condition as the roof structure may not stand and last for long due to the framing is consist and made out of timber blocks.
 - The proposed site for Water Tank Base is narrow and not flat;
 - An existing old latrine is located on the proposed site which may require some demolition works to be performed if this site used for the water tank base.

1.2 Recommendation & Decision Made:

- The proposed site is recommended and relocated to new site next to previous indicated building which is located on the **GPS latitude 9°21'4.05"S and 124°22'46.55"E and altitude of 454m** above sea level latitude ;
- Since proposed new site is not flat hence it requires some cut and fill works to be performed as to obtain desired level for the tank base;
- New proposed building for installation of rain harvesting system is in good condition despite the length of the roof eaves may not accommodate the length of intended installation of the gutter, but the remaining length can be connected or installed from the previous indicated building. There are some minor fixing on the roof cover required as it has been damaged due to fallen tree's branches;
- The bidder present on the site are informed to calculate the extra cost on the proposed new site and provide a remark or note on their bidding document.

- Contractor are informed to bid as the work's quantity described in the BoQ and once on the implementation the actual works' quantity will be verified for plus and minus.

1.3 Photographs



Initial proposed site for the Water Tank Base



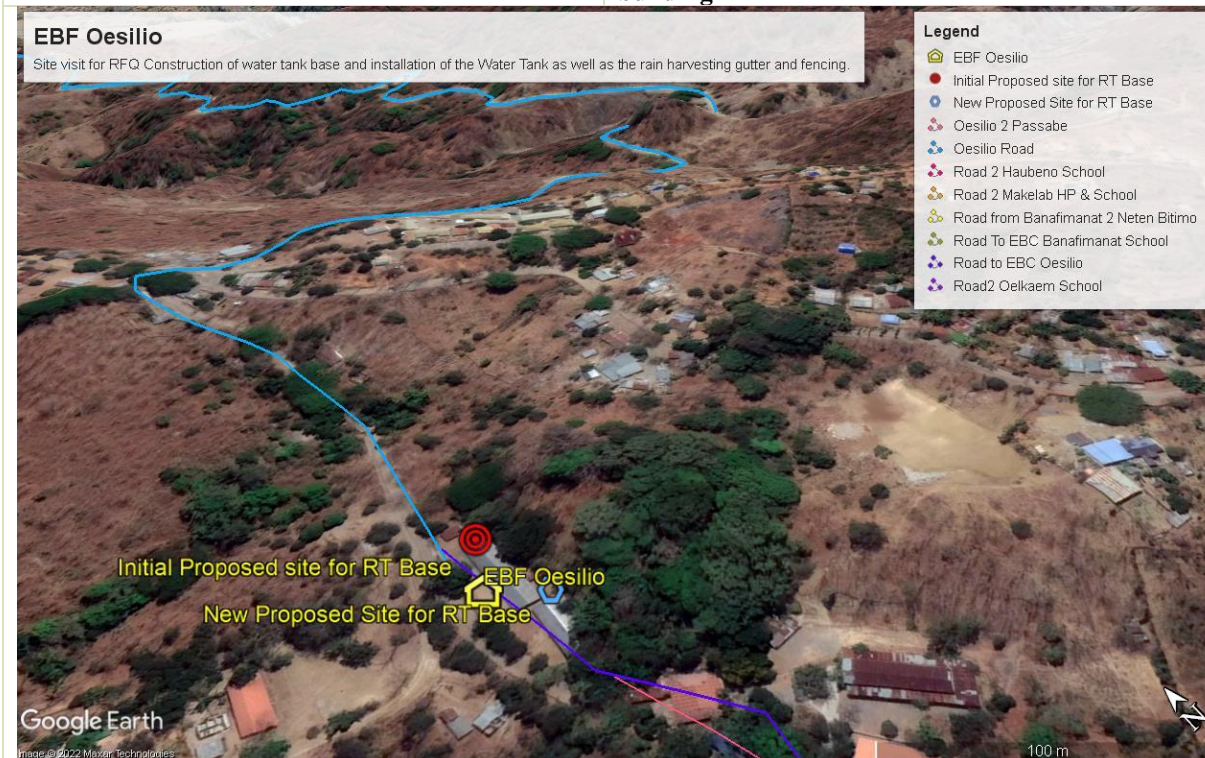
Condition of the proposed site and the Building



New proposed site for WTB and the Building



Small damaged on the roof eaves of the proposed building



Map of project location

2. EBC & ESG cycle 1,2 &3 Oesilio

Visited on 29th June 2022; 11:11:36am

2.1 Findings:

- The school is located 26.3km from Pante-Macasar Town and on the GPS coordinate of latitude **9°21'8.09"S and Longitude 124°22'42.54"E** approximately 435. m above sea level;
- The school has nine school buildings which all are in good condition and one of the building has a small existing rain water harvest system however the system is in poor condition and not functioning;
- The site indicated in previous visited is suitable for the installation water tank base as located on the higher ground from other school building.
- The proposed building to install gutter has an existing 100mm gutter is good condition of the roof eaves.
- One tree is located near the proposed site for Water Tank Base may be the branches to be removed for the safety of the tank;

2.2 Recommendation & Decision Made:

- The previous indicated site is recommended for the installation of the Water Tank Base;
- The proposed site is located on the GPS latitude of **9°21'9.20"S and Longitude 124°22'42.53"E and altitude of 436m** from sea level;
- The proposed site is not flat hence it requires some cut and fill works to be performed as to obtain desired level for the tank base;
- The proposed building for installation of rain harvesting system is in good condition however, the installed existing 100mm gutter shall be removed prior to new installation of the gutter;
- Tree branches spread towards the WTB shall be cut down and removed away from the facility as to prevent the damage to the tank due to fallen branch or tree.

2.3 Photographs



Proposed School building for the installation of the gutter



Proposed site for the construction of the water tank base



Map of the project location

3. Passabe Health Center

Visited on 29th June 2022; 12:29:39pm

3.1 Findings:

- The Health Center is located 45 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°27'49.04"S and Longitude 124°20'27.87"E** approximately 570m above sea level;
- The Health Centre has three buildings which all are in good condition and one of the building of the building is newly constructed dedicated for Covid-19 Quarantine facility with the fence surrounding the site;
- The site indicated in previous visited is suitable for the installation water tank base as located on the corner of the Health Centre building on GPS latitude **9°27'49.67"S and Longitude 124°20'27.62"E** with altitude of 570m from sea level
- The proposed building to install gutter has an existing 100mm zinc alum tin plate gutter to drain the rain water to the ground.
- There is a potential site for the WTB which located on the site of newly built Quarantine facility which can be as an alternative site. The GPS coordinate for this site is **9°27'47.89"S Latitude and 124°20'27.39"E Longitude** with altitude of 570m from sea level. This site may not require fence around the tank as the site has the fence surrounded the facility;

3.2 Recommendation & Decision Made:

- The decision of the alternative site could not be decided and agreed on the spot as the visit could not meet with Director of the Health Centre hence the alternative site can be discussed and agree prior to the implementation stage.

3.3 Photographs



Proposed Health Centre Building for the installation of the gutter and Water Tank



Alternative site and Building consideration for the Rain Water Harvesting system



Map location of the project site

4. EBC cycle 1,2 & 3 Banafimanat

Visited on 29th June 2022; 03:27:46pm

4.1 Findings:

- The school is located 27 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°22'17.58"S and Longitude 124°18'18.02"E** approximately 211m above sea level;
- The School has 5 buildings one is in poor condition and will be demolished and one is newly constructed while other three buildings are in good condition for the installation of gutter;
- The previous visite had not indicated the site for water tank base;
- The front roof eaves of intended for installation of gutter are lower than the proposed installed tank;
- Three large trees was found on the proposed site;

4.2 Recommendation & Decision Made:

- With the school teacher, the site was indicated on the corner between the two school buildings as indicated on the above GPS coordinates;
- The contractors are informed that the proposed building to install gutter can only be installed and taken from back side of roof eaves as the height of front roof eaves are lower than the height of proposed tank;
- The three large trees located on the proposed site shall be removed from site as to prevent damage to the tank due to fallen tree branches.

Proposed site

Indication of proposed site for the construction of water tank base

EBF & EBC Banafimanat
Site visit by IFCD Construction of water tank base and installation of the water tank as well as the rain harvesting pipe and fencing

Legend
 ● EBC Banafimanat
 ▲ District 2 Passano
 ▲ District 2 Passano
 ▲ House 21 Makindu School
 ▲ House 2 Makindu HF & School
 ▲ House from Banafimanat 2 Peter Elino
 ▲ House 70 EBC Banafimanat School
 ▲ House 2 Othman School

Indication of the proposed building and site for the installation of Water tank and Rain water harvesting system

Indication of the proposed building and site for the installation of Water tank and Rain water harvesting system

5. EBF cycle 1& 2 31 de Augusto Binila

Visited on 30th June 2022; 10:13:26am

5.1 Findings:

- The school is located 17.8 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°18'8.13"S and Longitude 124°21'14.48"E** approximately **63m** above sea level;
- The School has 2 buildings all in good condition for the installation of gutter;
- The previous visit had not indicated the site for water tank base;
- The front roof eaves of one of the school building of the west part is lower than the proposed installed tank;
- One large tree was found on the proposed site and the proposed building on the backside (rear) has lots of trees' branches from the next door house;

5.2 Recommendation & Decision Made:

- With the school teacher, the site was indicated on the side of the selected school site as indicated on the GPS coordinates of latitude **9°18'8.36"S and Longitude 124°21'15.29"E** with altitude of **54m** above sea level;
- The contractors are informed that the vegetation grown on the back side of the school building need to be removed consultation with school authority and the trees' owner for clearance and removal of the branches;
- The one large tree located on the proposed site can be removed only the branches spread towards the water tank as to prevent damage to the tank due to falling tree branches.

5.3 Photographs



Indication of the proposed site and building for the construction of water tank base and Rain water harvesting system

6. Mecosikaloti Health Center

Visited on 30th June 2022; 10:21:40pm

6.1 Findings:

- The Health Center is located 16 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°17'17.02"S** and **Longitude 124°21'0.69"E** approximately 50m above sea level;
- The Health Centre has two main buildings which all are in good condition;
- The site indicated in previous visit is suitable for the installation water tank base. The site is located at the back of two building mentioned above and the area sufficient enough for the establishment of the base and the tank.
- The proposed site located on GPS latitude **9°17'17.00"S** and **Longitude 124°20'59.83"E** with altitude of 56m from sea level
- The proposed building to install gutter has an existing 100mm zinc alum tin plate gutter to drain the rain water to the ground.
- The Health Centre has been connected water and stored in 1100 liters from the water Well system in the compound;

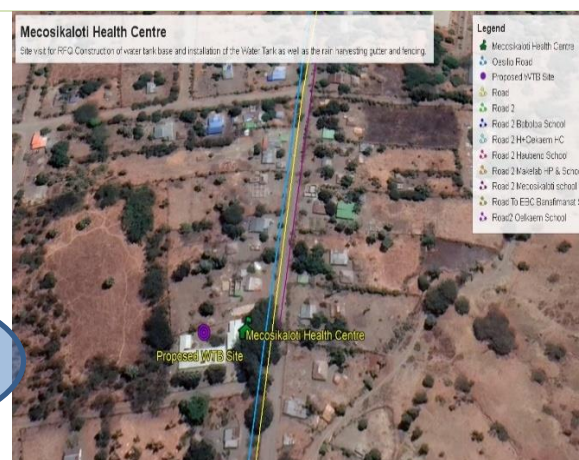
6.2 Recommendation & Decision Made:

- The Director of Health Centre is informed regarding the process of procurement of installing the facility has been delayed for sometimes due to none of interested local and national companies in the country to submit the bids and it has been re-advertised for a third times and fourth times for current visit.
- The director is informed to utilize the installed tank to store running water and rain water if necessary then the water can be pumped and stored on the tower tank and then distributed to the facility through gravity;
- The tank foundation installation will not have any additional work.

6.3 Photographs



Proposed site for the Water tank base



Map of the project location

7. EBF & EBC cycle 1, 2 & 3 Mecosikaloti

Visited on 30th June 2022; 11:01:30am

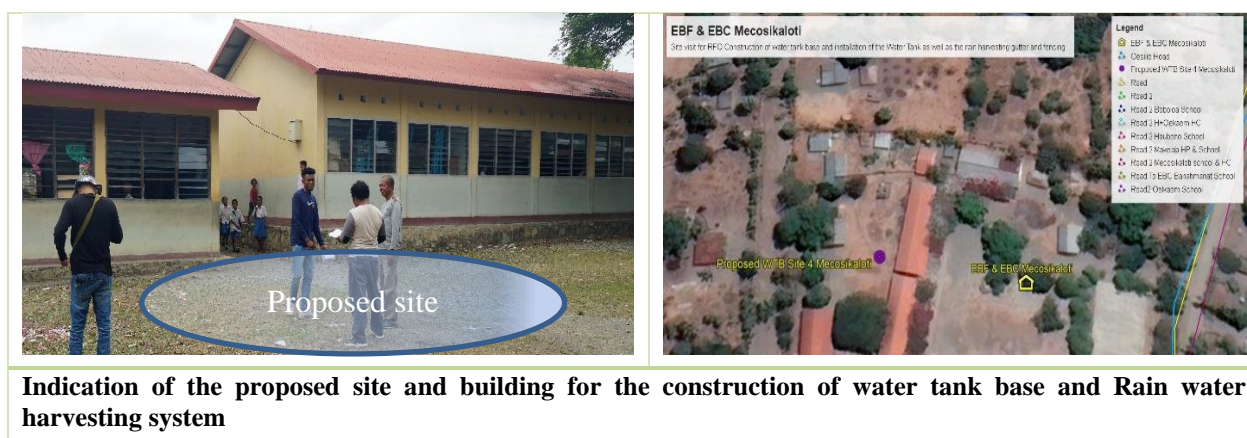
7.1 Findings:

- The school is located 15.7 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°17'4.35"S** and **Longitude 124°21'0.98"E** approximately **65m** above sea level;
- The School has 4 buildings all are in good condition for the installation of gutter;
- The previous visit had not indicated the site for water tank base;
- The front roof eaves all of the school building are lower than the proposed installed tank;
- The proposed site was clear and flat;

7.2 Recommendation & Decision Made:

- With the school teacher, the site was indicated on the side of the selected school site as indicated on the GPS coordinates of latitude **9°18'8.36"S and Longitude 124°21'15.29"E** with altitude of **54m** above sea level;
- The contractors are informed that the vegetation grown on the back side of the school building need to be removed in consultation with school authority and the trees' owner for clearance and removal of the branches;
- The one large tree located on the proposed site can be removed or only the branches spread towards the water tank can be removed as to prevent damage to the tank due to fallen tree branches.

7.3 Photographs



8. EBC 1, 2 & 3 Boboloa

Visited on 30th June 2022; 11:26:17am

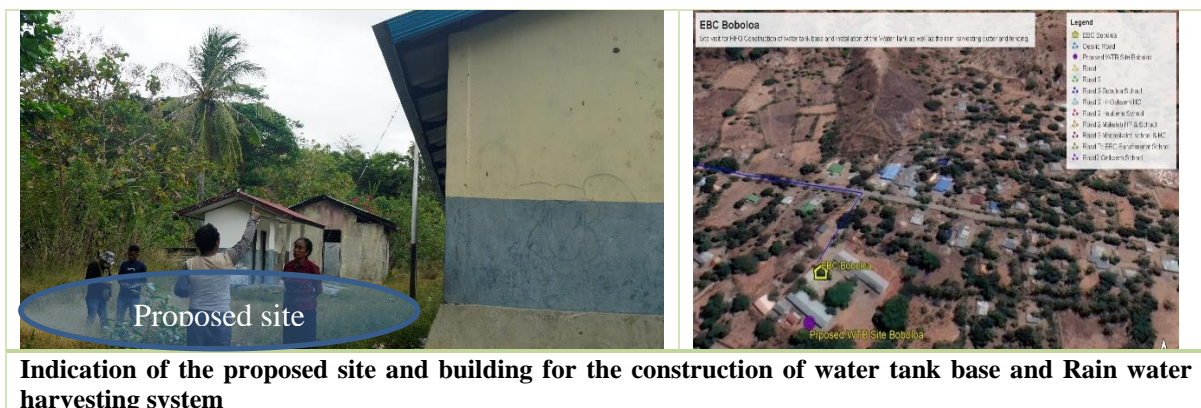
8.1 Findings:

- The school is located 13.7 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°16'48.01"S** and **Longitude 124°22'13.92"E** approximately **73m** above sea level;
- The School has 2 buildings, all in poor condition and the other building can be used for the installation of gutter;
- The previous visit had not indicated the site for water tank base;
- Almost half of the front roof eaves of indicated school building is covered by the flower trees;
- There is no large tree found on the proposed site and the proposed building on the backside (rear) and front has high roof eaves;

8.2 Recommendation & Decision Made:

- With the school teacher, the site was indicated on the side of the selected school site as indicated on the GPS coordinates of latitude **9°16'49.21"S** and **Longitude 124°21'13.95"E** with altitude of **74m** above sea level;
- The contractors are informed that the vegetation/flower grown and covered on the front side of the school building need to be pruned in consultation with school authority for clearance and removal of the branches;

8.3 Photographs



9. EBF Naopai

Visited on 30th June 2022; 11:58:53am

9.1 Findings:

- The school is located 17.8 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°15'25.87"S** and **Longitude 124°21'8.06"E** approximately **49m** above sea level;
- The School has 7 buildings, all in good condition for the installation of gutter;
- The previous visit had not indicated the site for water tank base;
- The proposed site is not flat but approximately 5% slope;
- The front roof eaves all of the school building are lower than the proposed installed tank;
- One large tree was found on the proposed site and the proposed building on the backside (rear) has less of trees' branches;

9.2 Recommendation & Decision Made:

- With the school teacher, the site was indicated on the side of the selected school site as indicated on the GPS coordinates of latitude **9°15'27.54"S** and **Longitude 124°21'8.73"E** with altitude of **46m** above sea level;
- Since the ground is not flat, the contractors are informed to quote with the consideration of cut and fill cost;
- The one large trees located on the proposed site shall be removed not only the branches spread towards the water tank, but whole tree trunk and stump as to prevent damage to the tank due to fallen tree branches and root penetration.

9.3 Photographs



Indication of the proposed site and building for the construction of water tank base and Rain water harvesting system



Map of project location

10. EBF & EBC cycle 1, 2 & 3 Tulaeca-Aenmat

Visited on 30th June 2022; 03:20:52pm

10.1 Findings:

- The school is located 11.5 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°13'45.97"S** and **Longitude 124°17'47.61"E** approximately **22m** above sea level;
- The School has 6 buildings, all are in good condition for the installation of gutter;
- The previous visit had not indicated the site for water tank base;
- The front roof eaves one of the three school building of the west & Northwest part is lower than the proposed installed tank;
- The proposed site and the proposed building on the backside (rear) has less of trees' branches and space just enough to accommodate the size of proposed tank;
- A temporary school kitchen is built nearby the proposed site.

10.2 Recommendation & Decision Made:

- With the school teacher, the site was indicated on the side of the selected school site as above indicated on the GPS coordinates;
- The contractors are informed that the temporary kitchen made out of local materials on the back side of the school building need to be consulted with school authority for relocation;

10.3 Photographs



Indication of the proposed site and building for the construction of water tank base and Rain water harvesting system



Map location of the project

11. Makelab Health Centre

Visited on 30th June 2022; 03:52:28pm

11.1 Findings:

- The Health Centre is located 15.2 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°14'17.30"S** and **Longitude 124°15'5.59"E** approximately **11m** above sea level;
- The health centre has 1 building which is in good condition for the installation of gutter;
- The previous visit had not indicated the site for water tank base;
- Two palm trees were found on the proposed site and the proposed building on the front side has lots of trees' branches spread over the front roof eaves;

11.2 Recommendation & Decision Made:

- With the Health Centre's doctor, the site was indicated on the backside of the selected health centre as indicated on the above GPS coordinates;
- The contractors are informed that the vegetation grown on the front side of the Health centre building need to be removed in consultation with health authority for clearance and removal of the branches;
- The palm trees located on the proposed site can be removed as to prevent damage to the tank due to fallen tree branches and trunk.

11.3 Photographs



Indication of the proposed site and building for the construction of water tank base and Rain water harvesting system

12. EBF Makelab

Visited on 30th June 2022; 04:04:03pm

12.1 Findings:

- The school is located 15.1 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°14'16.95"S** and **Longitude 124°15'10.14"E** approximately **10m** above sea level;
- The School has 2 buildings and one is in good condition for the installation of gutter;
- The previous visit had not indicated the site for water tank base;
- This visit could not manage and meet with school authorities as the visit was late after the afternoon school hours;
- The front roof eaves of the proposed school building is lower than the proposed installed tank;

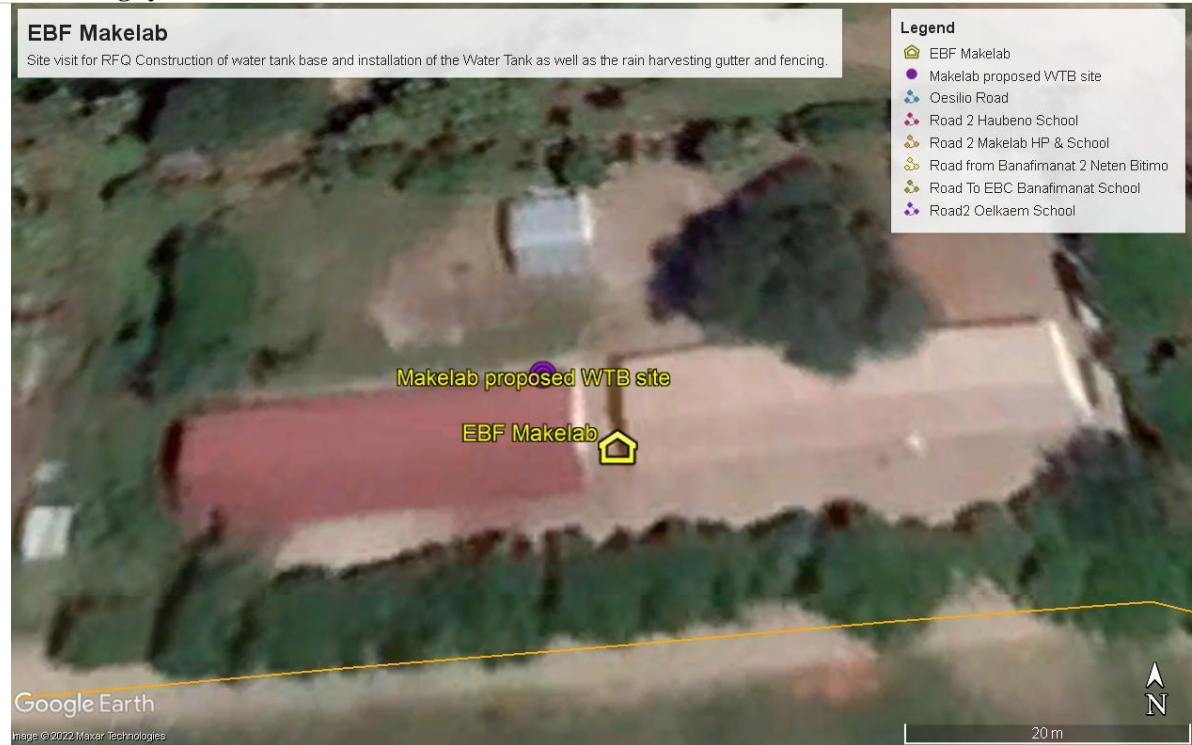
12.2 Recommendation & Decision Made:

- The site was indicated on the back of the selected school site without the presence of school teachers and the site is indicated on the GPS coordinates of latitude **9°14'16.69"S** and **Longitude 124°15'9.94"E** with altitude of **10m** above sea level;

12.3 Photographs



Indication of the proposed site and building for the construction of water tank base and Rain water harvesting system



Map of the project location

13. Oelkaem Health Centre

Visited on 01st July 2022; 10:04:41am

13.1 Findings:

- The Health Centre is located 21.7 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°17'25.84"S and Longitude 124°17'7.04"E** approximately **409m** above sea level;
- The Health Centre has 2 buildings , all are in good condition for the installation of gutter;
- The previous visit had not indicated the site for water tank base;
- The front and back roof eaves are higher than the proposed installed tank hence the tank can be located either side of the building that maximize the use of rain water intake;

13.2 Recommendation & Decision Made:

- With the present of the Medical officer, the site was indicated on the side of the health Centre towards eastern side. The site as indicated on the GPS coordinates of latitude **9°17'25.26"S and Longitude 124°17'6.89"E** with altitude of **413m** above sea level;

13.3 Photographs



Indication of the proposed site and building for the construction of water tank base and Rain water harvesting system

Oelkaem Health Centre

Site visit for RFQ Construction of water tank base and installation of the Water Tank as well as the rain harvesting gutter and fencing.



Map of the project location

14. EBF & EBC Oelkaem cycle 1, 2 & 3

Visited on 01st July 2022; 10:51:47am

14.1 Findings:

- The school is located 24.6 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°18'31.92"S** and **Longitude 124°16'25.78"E** approximately **562m** above sea level;
- The School has 5 buildings, two are in good condition for the installation of gutter;
- The previous visit had not indicated the site for water tank base;
- The proposed site is sufficient, flat and clear from the vegetation and buildings
- The front roof eaves school building is lower than the proposed installed tank;

14.2 Recommendation & Decision Made:

- With the school teacher, the site was indicated on the back of the selected school site as indicated on the GPS coordinates of latitude **9°18'30.72"S** and **Longitude 124°16'27.60"E** with altitude of **559m** above sea level;

14.3 Photographs



Indication of the proposed site and building for the construction of water tank base and Rain water harvesting system



15. EBF & EBC cycle 1, 2 & 3 Haubeno

Visited on 01st July 2022; 11:31:48am

15.1 Findings:

- The school is located 31 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°20'26.52"S and Longitude 124°14'52.19"E** approximately **583m** above sea level;
- The School has 4 school buildings and two Dormitories which only the dormitory buildings are suitable for the installation of gutter and have enough space for the water tank base;
- The previous visit had not indicated the site for water tank base;
- This visit could not meet with school director as the school students are given 3 days break after receiving covid-19 vaccines and the director was away from the school; However, one teacher turned up and provided some information on the project information;

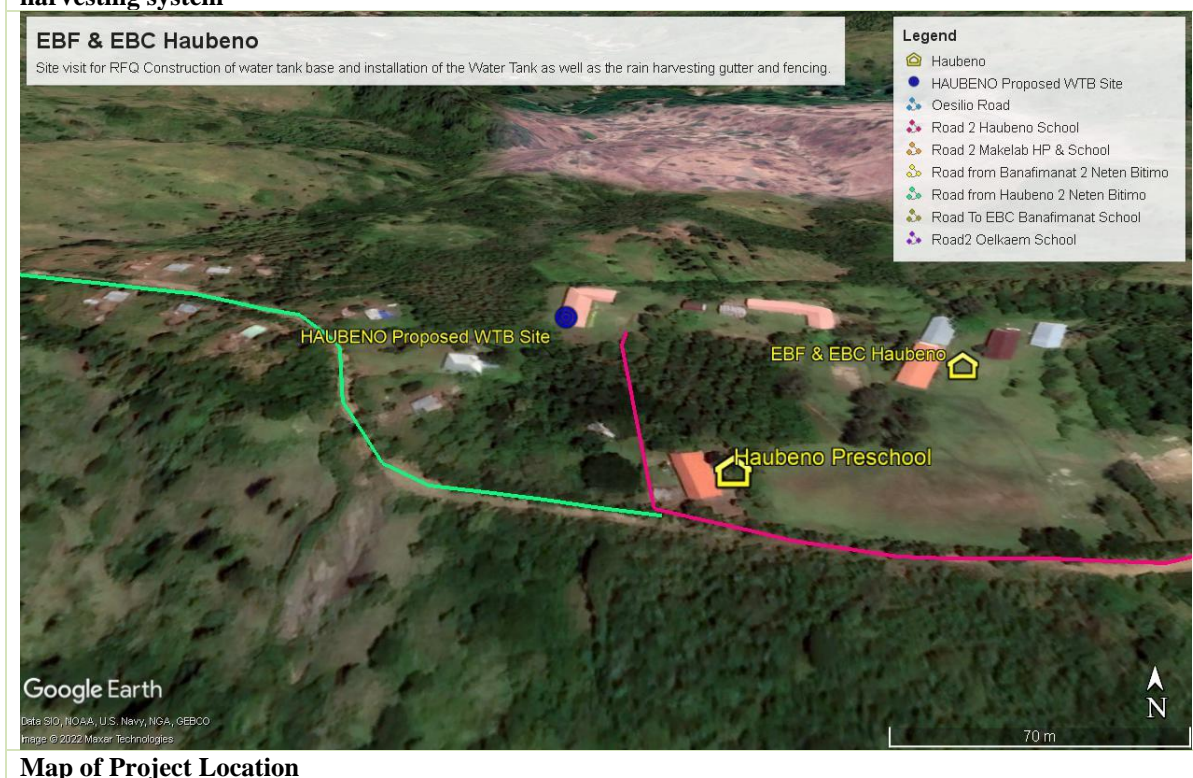
15.2 Recommendation & Decision Made:

- The site was indicated on the side of the selected male dormitory site as indicated on the GPS coordinates of latitude **9°20'25.87"S and Longitude 124°14'47.34"E** with altitude of **592m** above sea level;
- The teacher present on the site was informed that the team has decided to indicate the site for water tank base and the building for harvesting the rain water with the consideration of the selected site located on the higher ground which will make it easy for water distribution to the school and dormitories through gravity mean;

15.3 Photographs



Indication of the proposed site and building for the construction of water tank base and Rain water harvesting system



Map of Project Location

16. EBF cycle 1 & 2 Neten-Bitimo

Visited on 01st July 2022; 12:41:04am

16.1 Findings:

- The school is located 36.7 km from Pante-Macasar Town and on the GPS coordinate of latitude **9°18'22.791"S** and **Longitude 124°15'53.96"E** approximately **378m** above sea level;
- The School has 2 buildings only one in good condition for the installation of gutter;
- The previous visite had not indicated the site for water tank base;
- The site is clear and flat and the building roof eaves are higher than proposed tank and suitable for the gutter installation.

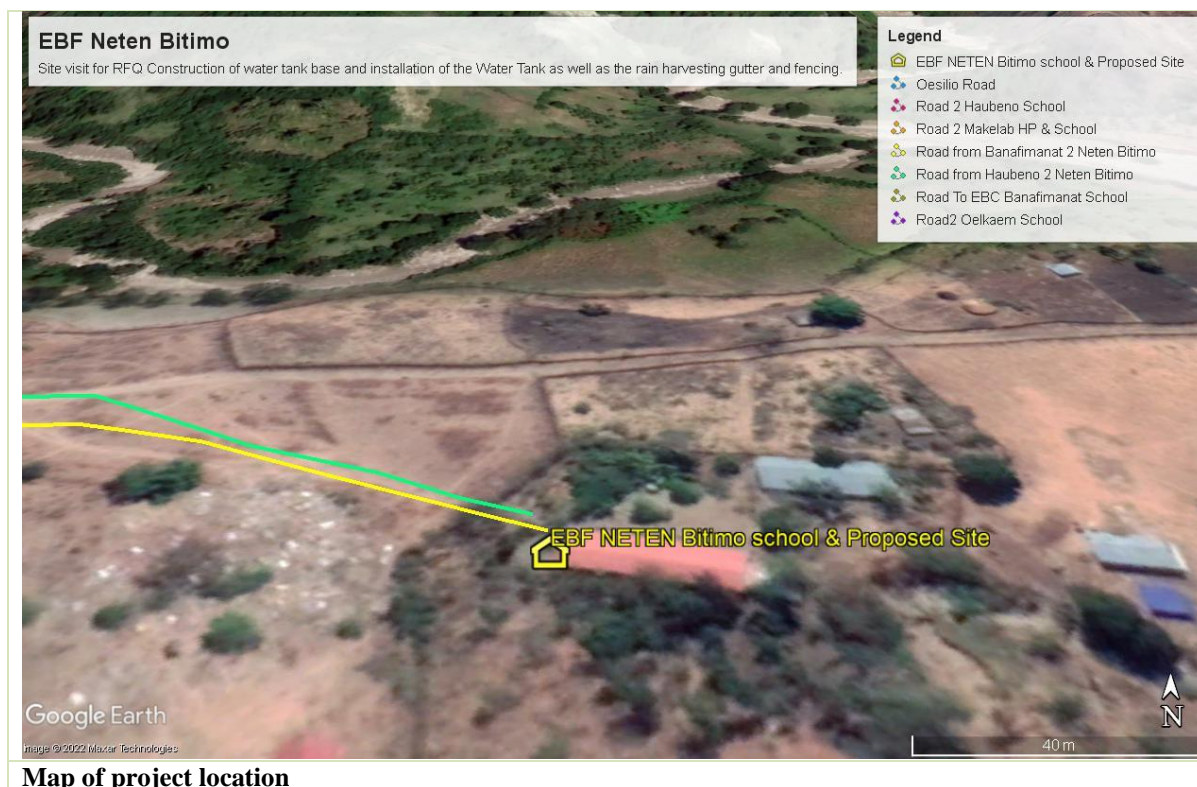
16.2 Recommendation & Decision Made:

- With the school teacher, the site was indicated on the side of the selected school site as indicated on the above GPS coordinates;

16.3 Photographs



Indication of the proposed site and building for the construction of water tank base and Rain water harvesting system



17. Assessment team

#	Name	Job Title
1	S. Augustine	Agri business advisor (Project manager OIC)
2	Joni Maria Dos Santos	Agri business coordinator
3	Eusebio De Jesus Martins	Engineer
4		

Companies accompanied the site visit:

#	Bidder Name	Representative	Email	Mobile
1	Monte Casa Sul const. UNIP.Lda	Joao Gomes		76053188
2	RAYNADOS UNIP.LDA	Jaime M.Bire		75460399
3	Paul Electric UNIP.LDA	Dexter P.M		75451437