



Support for sustainable Development (SSD)
Terminal Report
On
Demale Irrigation Development Project
(January 2016-December 2019)



December 2019

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1. Project over view

1.1 Background and project Rationale

Demale Irrigation Project is located in Sebana Demale kebele of Berhale woreda, Afar Regional state. The area is characterized as arid zone where drought is a major threat to the habitats. Unreliable rain is a major cause for the drought and this has resulted into animal feed shortages which consequently affect the production and productivity of animals.

Thus, the pastoralist communities of the area are obliged to keep few browsing animals such as camels and goats as they are relatively tolerant to the harsh environment as compared to the other species. Although, livestock rearing is the main lively hood means for the community at Demale, they could not attain their household food security because of the above mentioned problems. In order to bridge the gap of livelihood means they are hardly practicing traditional way of irrigated agriculture by diverting the available river in the area. However, the traditional scheme was taken away by flash flood that is coming downstream from the high land every year and this was a big challenge and frustrating situation for the community to continue the activity of crop farming. This big challenge was brought to the attention of SSD for development assistance. Thus the Demale project was launched to contribute to the improvement of food security of target community through irrigated agriculture and other integrated interventions.

Demale irrigation project was officially launched in January 2016 for three years period (2016-2018) ,however, due to soil formation of the area which is covered by hard basaltic rock pavement the opening of water in late canal was very challenging and took more than the expected time of completion . Due to this fact one year extension period was added and the whole project implementation program took four years i.e. 2016-2019. Even though the construction of this project is so hard and challenging, SSD completed the canal excavation and its structures at the end of the third quarter of 2018 using machine and human labor. Currently,, all canal structures are completed and is conveying water to the farm areas. A total of 510 HHs received 170ha of farmland and they established the irrigation water user's cooperative.

Currently the project has come to an end and this terminal report covers different activities implemented, impacts or changes observed on the livelihood of beneficiaries. In all the project periods, no major challenges (except the nature of the soil formation on the line of canal opening) encountered and the project has finished its assignment with healthy relation with communities, the government and other partners. Field level project team and senior staff of SSD have been actively involved in the capacity building supports to communities and partners' from local government offices.

2. PROJECT ACCOMPLISHMENT

The report on project activities carried out over the past four years (January 2016 - December 2019) are outlined below.

2.1 Activity

A number of activities were accomplished during the four years period. The main focus was to complete the irrigation infrastructure construction which is a prerequisite to start the agricultural activities. To this end, the water inlet opening which was a main challenge was successfully completed and water could flow to the command area through the main canal as of mid September 2018. In addition to the construction activities, the project organized women saving and credit association and provided seed money in the form of revolving fund, accomplished soil conservation activities, community trainings in different disciplines, and also undertaken farmer's experience sharing tour to Tigray region where good experience of irrigation projects could be learned.

3. Outputs

Output 1: Wheat paid to FFW participants as wage for labor

The project was undertaking different kinds of activities involving manpower from the local community. Food grain (wheat) was paid in the form of FFW for the rendered service during the four years period. The food for work participants were jointly selected by kebele administration and project committee for any labor required activities.

Output 2: Water diversion weir and irrigation infrastructure constructed

Concrete Cut off wall:

This is the primary important structure which can divert water to the main outlet gate. Thus, 80-meters long concrete cut wall was constructed as per the plan.

Retaining wall construction

A 50 m retaining wall was constructed in 2017. This is another important structure which can hold back soil from sliding and also withstand the high flood of water damaging the structure.



Figure 1 Retaining wall supported with gabion structure

Main outlet Gate work and gate installation

Repeated discussion was made with the local government body and the community prior to installing the gates as they were having different ideas. A certain group suggests that it should remain open always so that the flood can enter whenever it rains on the highland and the other group suggests it should have proper gate. Finally, based on the consensus reached, two gates made of iron sheet were installed on the main water outlet. The gates are useful to control and manage the flow of water to the field as required.

River abutment around the retaining wall protection works with gabion

The area planned to construct river abutment is totally rocky and un-erodible by flood. Thus it was not required to construct it; instead the gabion wire was used to strengthen some loose age of the main canal as shown in the picture below.



Main canal construction

Main canal construction was done partially by heavy duty machine and partly by human labor. A total of 4.96 km of main canal was excavated during the project period.



Figure 3: Partial view of main canal excavated by machine as well as human labor

Main canal lining

The plan was to construct 150m long main canal lining; however, 66.3mts long main canal was lined which is about 44.2% of the total planed length. The remaining part of the canal was found stiff and compacted, hence it was not found necessary to line it.



Figure 4: Main canal lining constructed

Drop structures constructed on the main and secondary canal.

A total of 14 drops were constructed during the four years period. Drops are used to keep the free board of the canal which guides the water flows in the canal without building soil embankment above the ground level. It is constructed when the free board of the canal drops below 30cm.



Figure 5: Drop structures constructed on the main canal

Road and drainage culverts constructed

The plan for the whole project period was to construct eight (8) road and drainage culverts. Accordingly, 8 road and drainage culverts were constructed and the accomplishment is 100%. Culvert structures are important to manage flooding that might come from the land above the canal to safely pass without damaging the canal. In addition to this; it helps humans and livestock to cross the canal safely.



Figure 6: Road and drainage culverts constructed

Division boxes constructed

A total of 19 division boxes were constructed attached with drop structures and accomplishment was 90%. Division boxes are used to convey the canal water via the secondary canals to the farm plots. The division boxes are constructed 100m - 200m apart from one another.



Figure 7: Division boxes constructed

Secondary canal constructed

The project planned to construct 3.5 km of secondary canal during the whole project life. However, 3.2km of secondary canal was constructed and the accomplishment is 91%. Secondary canals are mainly used to take a portion of water from the main canal through the division boxes and to the farm to irrigate the plots.



Figure 8 Partial view of secondary canal constructed and conveying water to the farm

Output 3: Targeted households receive irrigated land Facilitate clearing and distribution of land

Initially it was planned to distribute 160ha of land for 480 pastoralists. However during the extension period of the project (2019) about 10ha of irrigable land was added and secondary canal was extended to the farm land. As a result the total irrigable land available is 170 ha and this amount was distributed for 510 beneficiaries.

Currently the irrigation water has started flowing to the field and this has highly encouraged the farmers to start cultivation. Thus they have already started clearing stones from their field and trying to catch the silt that is coming with the water. In order to help the farmers properly managing their farm plots and cultivation the project purchased 5 pairs of oxen with plough accessories,452 different kinds of small farm tools,35 kg of different kinds of vegetable seeds and 22qts of improved cereal seeds ,mainly maize/ sorghum. The farmers were also encouraged to grow fruit seedlings, for this purpose, a total of 300

seedlings of papaya and mango was provided to them. The farm inputs were distributed to the farmers who are engaged in irrigation farming. Furthermore, the project had purchased and provided 9 liters of insecticide and pesticide with two knapsack sprayer.



Figure 9 Farmers have eagerly started cultivating land on a small amount of silt deposited

Nursery and demonstration site establishment and follow up.

The project has established one multipurpose demonstration site on 0.25 ha of land. The plot of land was temporarily given to the project by the kebele administration and it is adjacent to the traditional water canal. The purpose of the site was to grow different kinds of crops which are suitable to the environment using improved agronomic cultural practices. Five (5) field day sessions were organized during the whole project life and farmers could grasp various kinds of cultural practices under irrigation farming.



Figure 10: Partial view of Demonstration site run by the project

Improved fodder/ forage seeds provided to farmers for growing

For pastoralist community, animal production is the main source of household food security. As much as possible farmers should try to feed their animals in order to keep them productive and healthy. Thus, attention was given from the very beginning of project formulation to train and advice farmers, so that they can produce animal fodder adjacent to their crop field. In order to facilitate and promote the activity a total of 60kg of fodder seeds of Rhodes grass susbania and leucaena was provided to the irrigation users

Output 4: Run off retention bunds, cut off drain and check dams constructed, vetiver grass and trees planted

Protecting and developing the natural resource of the area is one of the themes of the project. Major emphasis was given for biological and physical soil conservation activities as indicated below.

Soil and stone bund constructed

Water retention bunds are constructed to protect the head work and the canal from flash flooding by retaining the overland flood flows in the bunds or trenches. It was planned to construct 18km stone and

soil bunds during the project life, and a total of 16.6km of bund was constructed and the accomplished volume of work is 92%. The construction of the structure was done following the constructed main canal.



Figure 11 Soil and stone bund constructed

In areas where there are small ravines or gullies the stone check dam is constructed. During the reporting period it was planned to construct a 700m³ check dam and it was 100% accomplished as planned. Check dam structures are used to retain eroded soil and to help increase soil moisture allowing grass and small shrubs to grow.



Figure 12 Stone bud constructed as physical measure of soil conservation

Cut off drain constructed

The purpose of cut off drain construction is to protect the main canal from silt deposition and the bunds from flood damage. The cut off drain is used to protect bunds and canal lines from breakage by diverting the upland flood to the natural gullies. To this end, it was planned to construct 1260m³ for the whole project period, and the accomplished quantity is 970.5m³ (77%). The constructed structure has successfully served the intended purpose.



Figure 13 Cut off drain constructed to convey water to its natural course

Production and Plantation of multipurpose tree seedlings

Demale project is mostly covered with stone and quarries; hence there are very limited pockets where seedlings can be planted. In order to accomplish this activity, about 3000 different kinds of tree seedlings suitable to the Demale area environment were raised. Aout of the raised seedlings 2500 of it was planted. In addition to seedlings 1200 slips of vetiver grass was also planted on the edge of the canal.



Figure 14 Tree seedlings raised on the nursery site for plantation.

Output 5: Farmers trainings, workshops, experience sharing visits and community field days completed

Farmers are offered various kinds of trainings workshops and experience sharing visits at different times throughout the project period. In addition to that they also learned and gained experience by working on the project nursery and on irrigation scheme construction work. On the program of experience sharing visit, the farmers were taken to other region (Tigray) where they can get good exposure and share experience.

All the activities related to beneficiary capacity building work for the whole project period (2016-2019) are summarized in the following table.

No	Types of activities	Number of participants by		Total	Remark
		Women	Men		
1	Training of farmers on how to construct farm basin for soil harvesting	52	294	346	
2	Training of farmers on irrigation agronomy and scheme management	57	138	195	
3	Crop marketing and market assessment	58	121	179	
4	Training on animal fodder production and range management	37	63	100	
5	Training on environmental conservation and management	68	132	200	
6	Training on food preparation and demonstration	100	-	100	
7	Soil harvesting technique from silt coming with flood	22	58	80	
8	Training of water users association executive committee and other members	36	94	130	
9	Experience sharing visits organized	34	84	118	

10	WSC beneficiaries were organized and trained	110	-	110	
11	Field day was organized for farmers	68	183	251	
	Total participants	642	1167	1809	

A. Training on irrigation agronomy and scheme management conducted

The project planned to train 200 people during the year. Accordingly, a total of 195 farmers (out of which 57 are women) were given 3-4 days training on irrigated agriculture. Major topics given emphasis in the training were the importance of growing improved cereals, vegetables and fruit crops for better benefit, appropriate use of irrigation water based on the crop need at different stages of growth, the importance of insect pest monitoring and weed control were among the training topics covered. In addition to that, fair water distribution among irrigation users during peak times and Safety and maintenance measures for irrigation canal and other structures were given due attention in the training.



Figure 15 Training work shop on agronomy and scheme management

B. Crop marketing and market development training conducted

Crop marketing is one of the motivating activities for the farmers as it is generating cash income for them. Thus, farmers should get appropriate market out late in order to sale surplus food products as well as cash crops whenever they produce it. The purpose of the training was to increase the farmers negotiating capacity for better price. In this regard, a total of 179 people out of which 58 are women attended the training offered for three days in different sessions

C. Farmers Field Days Organized at project Demonstration Site

Two (5) field day sessions were organized during the whole project life period. The purpose of the field day was to familiarize the farmers with better cultural practices various kinds of crop growing. The project demonstration /nursery site was used for displaying the good practice. In the five session's program, 251 farmers out of which 68 were women attended the field day.



Figure 16 Field day demonstration to farmers at the project demonstration nursery site

Training on fodder production and rangeland management conducted

For pastoralist community, animal production is the main source of household food security. The project always encourages pastoralists to produce animal feed adjacent to their crop field for their animals in order to keep them productive. In this regard intensive training and advice was given to them regularly during the project period. As a result, a total of 100 farmers (63 men and 37 women) were trained. After the training *Rhodes grass* seed, *susbania* and *Ieucaena* shrub seed was provided to the farmers.



Figure 17 Fodder production and range management training conducted

Environmental conservation training conducted

The project planned to conduct four-day training for 200 community leaders, elders and influential persons in the area on environmental conservation. Accordingly, 200 people participated in the training and 68 were women participants. The training was held at Demale kebele. Biological and physical soil conservation methods were discussed in detail. The training emphasized on how to minimize soil erosion and how to protect the available endogenous scattered trees and shrubs. The importance of planting various types of trees and shrubs on the down side of the canal line to minimize soil degradation and siltation was also discussed.



Figure 18: Training on environmental conservation conducted

Food preparation and demonstration training conducted

The main purpose of engaging the pastoralist community in to irrigation agriculture is to enable them to produce different food crops for household consumption. However, the farmers are not well familiar with methods of food preparation from vegetables and other crops. In order to fill this gap, a total of 100 women were selected and trained on food preparation from various vegetables, root crops and cereals. Along with the training, thorough discussion was made on the nutritive value of each crop and its importance for body health particularly for children.



Figure 19 Theoretical and practical training of food preparation training conducted

Training of farmers on how to construct farm basin for soil harvesting was conducted

In order to effectively harvest the fertile soil that coming from highland river catchment area, farmers were alerted and technically demonstrated on their farm plots before the expected floods coming in the river. Taking this into consideration, SSD created awareness by educating about 346 project farmers out of which 52 were women .The awareness program is supported with explanation and field demonstration as how to make soil collecting structures with soil ridges backed with stone bunds are constructed .

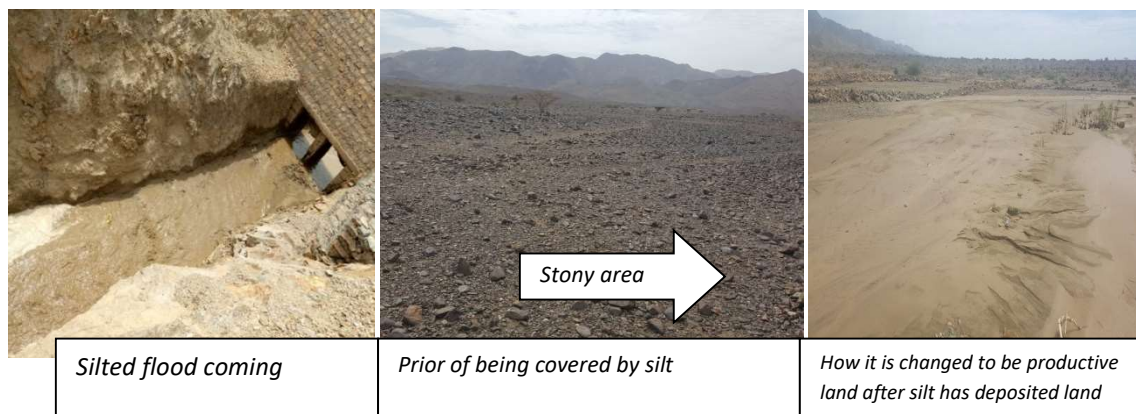


Figure 20 Picture showing how the flood can cover the stony area with cultivable silt

In addition to this, the participants visited the traditional farm areas and discussed with them on how they reached and maintain the fertile soil and able to grow crops. Finally, each awareness participants inspired and get into high motivational spirit to develop their own agricultural soil from Demale river floods in the

coming rainy season. Every canal structures are made ready for harvesting floods to the farm areas so as to retain fertile soil and grow crops.

Training of farmers on soil harvesting technique from silted flood

After constructing farm basin farmers should know how to capture the fertile soil coming with the flood. To this end, 80 farmers out of which 22 were women. On the training work shop the farmers were also advised on as to how they can fairly use the silted flood so that all the farmers using the canal can cover their field with the silt



Figure 21 partial views of farmers attending soil harvesting technique from silted flood

Output 6: Water users association established and strengthened

A. Awareness rising sessions on the need of water users association was facilitated

In this reporting period, two sessions of community meeting was facilitated to discuss on the need of establishing water users association (WUA). A total of 167 farmers (125 men and 42 women) who are representing the total population of irrigation users have attended the meeting organized in two sessions. Based on the discussion held the community representatives have understood the main purpose of establishing the WUA, and the mandate and role of the committee to be formed. Based on the consensus reached with the community, another session was organized in which 68 farmers (44 men and 24 women) have participated to establish and select the leaders of the WUA. Accordingly Seven (7) executive committee members were selected to lead the WUA. Among the seven members one member is a woman. After Election was completed , All the executive committee members, block leaders, elders and farmers who are about 130 in number(94men and 36 women) were given a two days training .

The training has focused on how equitable water distribution program could be devised, conflict management and resolution system, canal clearing and maintenance and how to promote the association in to irrigation cooperatives. At the end of the training session, the WUA members have agreed to produce and adopt by-laws and they have decided to contribute registration fee. The process of legal registration of the WUA at Afar regional state level was completed and they are certified. Up to now they have contributed about 6600 Birr from 80 farmers as a registration fee. They have a plan to open a bank account at Barahale commercial bank of Ethiopia to manage their financial resource.



Figure 22 Awareness raising workshop on the use of WUA and elected committee members

B. Farmers experience sharing tour was facilitated

Farmers, WUA executive members, kebele leaders, a total of 118 people (84men and 34women) were taken to Tigray Administrative Region for the experience sharing visit. The areas visited were, Abreha Watssebha irrigation users association and Birki irrigation users association in Agule'a, Wukro district. Both areas are well established and they are growing all kinds of vegetables like tomato, pepper, onion various kinds of vegetables, fruit crops like Banana, lemon, Papaya, orange, and other fruit crops using irrigation. So the framers have appreciated what they could see on the farm. Farmers also discussed what they felt important with the association leaders and they became keen to replicate this good experience on their farm.



Figure 23 Farmers experience sharing tour around Tigray regional state organized

Output 7: Women saving and credit/IGA groups established and trained

The SAC beneficiary women were voluntarily registered and selected by kebel management of Sebanademale kebele. A total of 100 women were selected as a beneficiary in two rounds .Thus, four days training was provided for selected 100 women and ten concerned kebele leaders and woreda agro-pastoralist office staff. The purpose of the training was to familiarize them with saving and credit principle, benefits and obligations of members, how to prepare business action plan, and management of SAC group. The training was supported by discussions, questions and answers with full participation of the trainees.



Provision of seed money for 100 SAC users

At the end of the training, the women group had agreed to adopt by-laws and they decided to start a monthly saving contribution and registration fee. The women group has started saving per month as per their agreed by-laws. The process of legalization of the association was completed at Afar Regional state level and they were issued a certificate of recognition as a legal cooperative. The name of the cooperative is **‘AYSHIT WOMEN SAVING AND CREDIT COOPRATIVE’** and they opened a bank account with Commercial Bank of Ethiopia Brehale branch. After all the prerequisites were fulfilled SSD had deposited Birr 300000 in their bank account as one year loan seed money. Each woman received birr 3000 and started their business. The kebele officials and the clan leaders had expressed their commitment to support the WSAC cooperative to facilitate installments of the borrowed money on time. The project management and technical personnel were regularly following up and technically supporting the cooperative members.

4. Immediate and intermediate outcomes of the project

I. Immediate outcome

Immediate Outcome 1: Increased availability of food at household level from FFW

During the four years period, the local communities of the area have participated on the available job in the project. The number of participants varies with the work available. The people involved in the job were paid wheat in the form of FFW. Thus, the indicator for this immediate outcome is amount of wheat received by FFW participant households. The amount of food distributed and number of beneficiaries are shown in the following table.

No	Food distribution by years	What distributed		Number of beneficiaries			remark
		unit	qty	Male	Female	Total	
1	2016	MTs	200.1	134	92	226	
2	2017	MTs	210	224	86	310	
3	2018	MTs	225.7	272	91	363	
4	2019	MTs	79.212	154	80	234	
	Total grain		715.012	784	349	1133	

Immediate Outcome 2: Increase in fertile and cultivable land for crop production

Fertile soil harvesting to cover the stony farm land depends on the frequency and intensity of silted flood coming from the high land catchment area. Thus, Soil coverage development is gradual; however, what could be seen within the very short period of flooding time is very encouraging, about 8 ha of land is covered so far and the farmers have started growing mung bean and maize.

Immediate Outcome 3: Increase in irrigated and cultivated land for crop production

This immediate outcome has three indicators ‘Hectares per household of irrigated and cultivated land’, ‘Number of households with irrigated & cultivated land’ ‘Total hectares of irrigated & cultivated land’. Land distribution was already done and about 170ha of land was distributed for 510 people. The traditional canal which was being hardly used by farmers was changed to the improved canal system constructed by the project.

5. Lessons learned

The pastoralist communities of Demale project area are always keen to learn new innovations and ideas. Particularly the interest they have shown in adopting irrigated agriculture, although there is fertile soil shortage in the area.

6. Challenges

The soil formation of the river diversion area was covered with hard rock. It took more time and budget to open the water out late canal with even heavy duty machine.

The environment of the area particularly the temperature is very hostile to undertake such heavy construction work full day. Thus the machines were working up to mid night.

Market price fluctuations for construction materials were another challenge the project had faced.

7. Conclusions

The pastoralist communities of Demale area project are very much eager to start crop farming and change their way of life from pure pastoralists to agro-pastoralists. The pastoralists have contracted a heavy duty earth moving machine to level their farm land and construct embankments around their plots for silt harvesting. These indicate that, the farmers will gradually achieve what they wish to get depending on the intensity and frequency of silted flood entering their field. The management of the scheme and fair distribution of irrigation water is the responsibility of the WUA leaders. In this regard repeated capacity building training was offered to WUA committee members and the kebele leaders. The established women saving and credit cooperatives are also well managing their business to support their families livelihood. SSD believes the project had played indispensable role to contribute transforming the livelihood of the community.

8. Annex I Project activities accomplishment summary for the whole project period

<i>Dmale irrigation project terminal report (2016-2019)</i>							
No	Description of activity	Unit	2016-2018 plan	2019 extension period plan	2016-2019 total plan	2016-2019 total accomplished	% accomplished
1	Planning and coordination						
1.1	Access road clearing and maintenance	km	5		5	2.558	51%
1.2	Vehicle procurement	No	1		1	1	100%
1.3	Conduct Baseline	No	1		1	1	100%
1.4	Organize project inception workshop	No	1		1	1	100%
2	Water diversion Weir and Irrigation Infrastructure Constructed						
2.1	Concrete Cut-off wall	m	80		80	80	100%
2.2	Retaining wall Construction	m	65		65	50	77%
2.3	Main outlet Gate work & gate installation	No	2		2	2	100%
2.4	River abutment around the retaining wall (deflectors)	M ³	90		90	90	100%
2.5	Main canal Construction	km	4.5		4.5	4.96	110%

2.6	Main canal lining	m	150		150	66.3	44.2%
2.7	Drop structures construction on main & secondary canal	pcs	10	8	18	14	78%
2.8	Road and Drainage culverts	No	5	3	8	8	100%
2.9	Division boxes	No	12	9	21	19	90%
2.1	Secondary canals Construction (SC)	km	1.5	2	3.5	3.2	91%
2.2	Gates installation on division boxes	No		27	27	27	100%
2.3	Main canal clearing from silt and other debris	m ³		3200	3200	534.33	17%
Targeted households receive irrigable land							
3.1	Facilitate clearing and distribution of land	ha	160	10	170	170	100%
3.2	Facilitate primary tillage by purchasing oxen with accessories	No.		10	10	10	100%
3.3	Provide seeds of different vegetable and other crops	kg	20	50	70	34.8	50%
3.4	Cereal seeds provided	qts		30	30	22	73%
3.5	Provide hand tools to facilitate farming activities	No	400	100	500	452	90%
3.6	Establish and run nursery & demonstration site	no	1		1	1	100%
3.7	Facilitate staking of hay by target people	No. of HHs	200		200	200	100%
3.8	Provision of improved fodder/forage seeds	kg	50	40	90	107	119%
3.9	Educate farmers how to construct farm basins for soil harvesting	No		480	480	346	72%
3.1	Pesticides and insecticides provided	lit		10	10	9	90%
3.11	Provision of Kanpsak sprayer	pcs		2	2	2	100%
3.12	Provision of fruit seedlings provided	pcs		300	300	300	100%
Run off retention bunds, cut off drain and check dams constructed and vetiver grass and multipurpose trees planted							
4.1	Construction of soil and stone bunds	km	13	5	18	16.6	92%
4.2	Construction of stone check dams	m ³	500	200	700	700	100%
4.3	Construction of cut off drains	m ³	960	300	1260	970.5	77%
4.4	Enclose and rehabilitate 5ha rangeland .	ha	5	0	5	0	0
4.5	Production of multipurpose tree seedlings	No.	6000	1500	7500	3300	44%
4.6	Plantation of multipurpose tree seedlings along the canal.	no .	5400	500	5900	2500	42%
4.7	Facilitate production & plantation of vetiver grass along the canal	slip	0	2000	2000	1200	60%
Farmers trainings, workshops, experience sharing and exposure visits completed							
5.1	Provision of two trainings on irrigation agronomy and scheme management	No	200		200	195	98%
5.2	Organize and conduct crop marketing & market development	farmers	100	80	180	179	99%

5.3	Organize farmers field days at the project demonstration site	No.	5	2	7	5	71%
5.4	Organize training on fodder production & rangeland management	people	100		100	100	100%
5.5	Organize & conduct environmental conservation training	No	200		200	200	100%
5.6	Organize and conduct food preparation and demonstration training	No .	60	40	100	100	100%
5.7	provide training on soil harvesting technique	farmers		80	80	80	100%
Water Users Association Established and Strengthened							
6.1	Facilitate awareness raising sessions on the need of WUA	No	2		2	2	100%
6.2	Establish water user's association (WUA	No.	1		1	1	100%
6.3	Organize and train WUA executive committee members and others	No	80	50	130	130	100%
6.4	Facilitate legal registration of the water users association at woreda	No of doc.	1		1	1	100%
6.5	Organize experience sharing visit for WUA& SAC	No	80	40	120	118	98%
7	Women Saving Groups Established and Strengthened						
7.1	Organize and train SAC beneficiary women and community leaders	people	110		110	110	
7.2	Provision of seed money for 100 SAC users	people	100		100	100	
7.3	Follow up and strengthen women SAC groups	No	20		20	x	
9	Monitoring						
9.1	Regular monitoring visits	visits	12	4	16	9	
9.2	Conduct semiannual and annual surveys	# report	6	2	8	5	
9.3	Final impact evaluation	#	1				

9. ANNEX 2 Financial report of January –November 2019

Support For Sustainable Development					
Demale extension project					
Financial report (January - November 2019)					
S.No	Activity details	TOTAL Budget	TOTAL Expenditure (Jan- Nov 2019)	Remaining balance	%
1	Irrigation canal extension, maintenance and protection				
1.1	Secondary canal excavation	112,600	112,495	105	0%
1.2	Drop structure construction on the secondary canal	159,976	159,128	848	1%
1.3	division box construction on the S. canal	166,329	166,196	133	0%
1.4	Road and Drainage culverts on the S. canal	77,400	77,040	360	0%
1.5	Gate purchase and installation for division boxes	40,500	42,040	(1,540)	-4%
1.6	Main canal clearing from stones & other debris	149,344	148,330	1,014	1%
	Sub Total 1	706,149	705,229	920	-2%
2	Agriculture development and extension			-	
2.1	Cereal seed provision	150,000	149,580	420	0%
2.2	Different vegetable seeds provision	35,000	34,980	20	0%
2.3	Provision of improved fodder/forage seeds	60,000	59,800	200	0%
2.4	Educate farmers how to constructs farm basins for soil harvesting	33,600	33,540	60	0%
2.5	Facilitate primary tillage by purchasing oxen with accessories	180,000	179,000	1,000	1%
2.6	Provide hand tools to facilitate farming activities	20,000	19,920	80	0%
2.7	Pesticides	5,000	4,960	40	1%
2.8	Knap sack sprayer	2,000	1,400	600	30%
	Sub Total 2	485,600	483,180	2,420	33%
3	Natural Resource conservation and management			-	

3.1	Construction of soil and stone bunds	15,000	15,000	-	0%
3.2	Construction of stone check dams	3,750	3,750	-	0%
3.3	Construction of cut off drains	9,000	9,000	-	0%
3.4	Production and plantation of multipurpose tree seedlings	18,000	18,000	-	0%
3.5	Facilitate production & plantation of vetiver grass along the canal	10,000	10,000	-	0%
3.6	Nursery & demonstration site management	100,000	99,800	200	0%
3.7	Provision of fruit seedlings and banana cultivar	30,000	29,500	500	2%
	Sub Total 3	185,750	185,050	700	2%
4	Community Capacity building			-	-
4.1	Provide trainings on soil harvesting techniques	40,000	39,960	40	0%
4.2	Train farmers on marketing of crops	40,000	39,600	400	1%
4.3	Refreshment training on water management	25,000	19,776	5,224	21%
4.4	Organize and conduct Farmers field day on field crops	30,000	29,468	532	2%
4.5	organize and conduct food preparation and demonstration training	20,000	19,200	800	4%
4.6	Organize experience sharing visit for WUA, SAC & other community members	120,000	119,456	544	0%
4.7	Follow up and strengthen women SAC groups	10,000	9,926	74	1%
4.8	Project handing over workshop	100,000	53,956	46,044	46%
	Sub Total 4	385,000	331,342	53,658	75%
5	Project Personnel				
5.1	Project office Salary				
5.1.1	Project coordinator	121,200	111,100	10,100	8%
5.1.2	Construction engineer	108,000	99,000	9,000	8%

5.1.3	Admin and Finance	74,580	6,215	68,365	92%
5.1.4	Agronomist	72,636	66,583	6,053	8%
5.1.5	Construction Supervisor	67,512	5,626	61,886	92%
5.1.6	Construction Forman	57,600	52,800	4,800	8%
5.1.7	Store keeper	46,800	42,900	3,900	8%
5.1.8	Driver	51,840	47,520	4,320	8%
	Total Project Salary	600,168	431,744	168,424	233%
5.2	Benefits project office			-	
5.2.1	Provident Fund 15 %	90,025	82,523	7,502	8%
5.2.2	Termination benefit 10%	90,025	90,025	-	0%
5.2.3	Location Allowance 40 %	240,067	220,062	20,006	8%
5.2.4	Life and Medical Insurance 5 %	90,025	55,619	34,406	38%
	Total project office benefits	510,143	448,229	61,914	55%
	Sub Total 5	1,110,311	-	230,338	21%
6.00	Grain			-	
6.10	Purchase of grain	1,146,465	1,146,465	-	0%
6.20	PSI and inspection	-	-	-	#DIV/0!
	Sub Total 6	1,146,465	1,146,465	-	#DIV/0!
	Total direct Program cost	4,019,275	2,851,266	288,036	7%
II	Administrative Budget			-	
7.00	Monitoring			-	
7.10	Regular monitoring visits	60,000	59,240	760	1%
	Sub Total 7	60,000	59,240	760	1%

8.00	Operational Cost			-	
8.10	Camp running cost	120,000	120,250	(250)	0%
8.20	Utilities and stationary	60,000	60,980	(980)	-2%
8.30	Vehicle maintenance	120,000	120,500	(500)	0%
8.40	Vehicle insurance	25,000	25,000	-	0%
8.50	Travel expense	102,000	102,000	-	0%
8.60	Office rent (25%)	95,000	95,000	-	0%
8.70	Vehicle running cost (fuel)	72,000	72,000	-	0%
8.80	Audit fee	10,000	-	10,000	100%
	Sub Total 8	604,000	595,730	8,270	98%
9	Head office Personnel				
9.1	Head office Salary				
9.1.1	General manager	148,852	105,437	43,415	29%
9.1.2	Admin and Finance Manager	128,857	118,119	10,738	8%
9.1.3	Programm coordinator	74,237	68,051	6,186	8%
9.1.4	Construction programm manager	87,000	79,750	7,250	8%
9.1.5	Agro-ecology programm manager	44,434	40,731	3,703	8%
9.1.6	Irrigation engineer	27,000	24,750	2,250	8%
9.1.7	Mechanic	30,073	27,567	2,506	8%
9.1.8	Transport officer	25,878	23,722	2,157	8%
9.1.9	Senior Accountant	36,000	33,000	3,000	8%
9.1.10	Accountant	32,209	29,525	2,684	8%

9.1.11	Cashier	17,657	16,185	1,471	8%
9.1.12	Secretary	20,666	18,944	1,722	8%
9.1.13	Driver	17,531	16,070	1,461	8%
9.1.14	Driver	17,517	16,057	1,460	8%
9.1.15	Driver	14,380	13,182	1,198	8%
9.1.16	Janitor	5,248	4,811	437	8%
	Total Head office Salary	727,540	635,901	91,639	154%
12.2	Benefits Head office			-	
12.2.1	Transport allowance	48,000	44,000	4,000	8%
12.2.2	Provident Fund 15 %	109,131	95,385	13,746	13%
12.2.3	Termination benefit 10%	109,131	109,131	-	0%
12.2.4	Life and Medical Insurance 5 %	109,131	46,681	62,451	57%
	Total Benefits Head office	375,393	295,197	80,196	78%
	Total head office personnel cost	1,102,933	931,098	171,836	16%
13	OVER HEAD (10% PERSONNEL SALARY)	221,324	202,881	18,444	8%
	TOTAL Admin cost	1,988,258	1,788,949	199,309	10%
	GRAND TOTAL	6,007,533	4,640,215		8%

10. Annex 3: Demale women saving and credit scheme

የመገለጻ የገንዘብ ብድርና ቁጠባ ኅብረት ሥራ ማህበር የአባላት ቁጠባና ብድር አጠቃላይ መግለጫ

ወረዳ: በረሀሌ ቀበሌ: ሰባና-ደማሌ-ብድር ጊዜ: መጀመሪያ ዙር የተሰጠ

የማህበሩ ስም: የመገለጻ የሴቶች ቁጠባና ብድር ህብረት ስራ ማህበር

		በመጀመሪያ ዙር የተሰጠ ተዘዋዋሪ ብድር				በሁለተኛ ዙር የተሰጠ ተዘዋዋሪ ብድር		
ተ.ቁ	የተበዳሪዎ ስም	የቁጠባ ብርመጠን (1)	በ2009 ዓ.ም የተበደሩት ብር መጠን(2)	ጠቅላላ ብር (1+2)	ከብድር ተመላሽ የሆነ ብር	በ2011 ዓ.ም የተሰጠ ተዘዋዋሪ ብድር		ተመላሽ የሚሆን ብድር
1	አሚና እንድረሰ ሁሴን	792	3000	3792	3000	3000		
2	ሀሊማ መ/ድ እንድረሰ	792	3000	3792	3000	3000		
3	ኢይቫ አብደላ አሊ	792	3000	3792	3000	3000		
4	ፋጡማ እንድረሰ ሀመድ	792	3000	3792	3000	3000		
5	ሃዋ አሊ አስመሊ	792	3000	3792	3000	3000		
6	ሞሚና አብዱ አሊ	792	3000	3792	3000	3000		
7	አሚና እንድረሰ አሊ	792	3000	3792	3000	3000		
8	ሀስና አሊ አብደላ	792	3000	3792	3000	3000		
9	ሀስና መስር መ/ድ	792	3000	3792	3000	3000		
10	መዲና ጃቢር ሀመድ	792	3000	3792	3000	3000		
11	ዘሀራ ሀመድ እንደረሰ	792	3000	3792	3000	3000		
12	መደረም መ/ድ ሁሴን	792	3000	3792	3000	3000		
13	አሚና መ/ድ ኢሉማ	792	3000	3792	3000	3000		
14	ዘይነብ ሳልህ ከድር	792	3000	3792	3000	3000		
15	ፋጡማ አብደላአሊ	792	3000	3792	3000	3000		
16	ሃዋ መ/ድ አሊዩ	792	3000	3792	3000	3000		
17	መዲና አሀመድ ጁሀር	792	3000	3792	3000	3000		
18	ዘሀራ ሁሴን ሀመድ	792	3000	3792	3000	3000		
19	ሀሊማ ሀመድ እንድረሰ	792	3000	3792	3000	3000		
20	መዲና ደረሳ መ/ድ	792	3000	3792	3000	3000		
21	ከዲጋ አሀመድ መ/ድ	792	3000	3792	3000	3000		
22	ሀሊማ አሊ	792	3000	3792	3000	3000		
23	ፋጡማ አብዱ መ/ድ	792	3000	3792	3000	3000		
24	ሀሊማ መ/ድ አስማኤል	792	3000	3792	3000	3000		
25	ሀሊማ ሀመድ መ/ድ	792	3000	3792	3000	3000		
26	ኢይቫ አብራሂም አብደላ	792	3000	3792	3000	3000		
27	ፈቲ ኤስማን ቦሬ	792	3000	3792	3000	3000		
28	አሚና መ/ድ ደለቢስ	792	3000	3792	3000	3000		
29	አሚና ሀመድ መ/ድ	792	3000	3792	3000	3000		
30	አሚና ሀመድ መ/ድ	792	3000	3792	3000	3000		

31	መደረግም እንድረስ ሲኮ	792	3000	3792	3000	3000		
32	ከይረያ ረሽድ ሀመድ	792	3000	3792	3000	3000		
33	ሞሚና አሊ አብደላ	792	3000	3792	3000	3000		
34	ስአድያ አሚን ኢብራሂም	792	3000	3792	3000	3000		
35	ሀስና ደረሳ እንድረስ	792	3000	3792	3000	3000		
36	አሚና ያህያ መ/ድ	792	3000	3792	3000	3000		
37	ከይርያ አብደላ አዶ	792	3000	3792	3000	3000		
38	መዲና አብደላ አባዩ	792	3000	3792	3000	3000		
39	ሀሊማ አልዩ ሀመድ	792	3000	3792	3000	3000		
40	ሀሊማ አባዩ አሊ	792	3000	3792	3000	3000		
41	ሀዋ ሀመድ እንድረስ	792	3000	3792	3000	3000		
42	መዲና ያሲን ኡስማን	792	3000	3792	3000	3000		
43	ሀዋ አብዱ መ/ድ	792	3000	3792	3000	3000		
44	ፋጡማ ሀመድ ደማሌ	792	3000	3792	3000	3000		
45	ኢይሻ ጃቢር አሊ	792	3000	3792	3000	3000		
46	ኢይሻ መ/ድ ሳልሀ	792	3000	3792	3000	3000		
47	አሚና ሙሳ ጃቢር	792	3000	3792	3000	3000		
48	ሀሊማ አሊ ሀመድ	792	3000	3792	3000	3000		
49	አሚና ኡስማን ጃቢር	792	3000	3792	3000	3000		
50	ፋቲማ አሊ ኑር	792	3000	3792	3000	3000		
	ድምር	39,600	150,000	189,600	150,000	150,000		150,000

የአይሽት የገንዘብ ብድርና ቁጠባ ኅብረት ሥራ ማህበር የአባላት ቁጠባና ብድር አጠቃላይ መግለጫ

ወረዳ: በረሀሌ ቀበሌ: ሰባና-ደማሌ የብድር ጊዜ: ሁለተኛ ዙር የተሰጠ ብድር

የማህበሩ ስም: አይሽት የሴቶች ቁጠባና ብድር ህብረት ስራ ማህበር

ተ.ቁ	የተባዳሪዎ ስም	የመጀመሪያ ዙር የተሰጠ ተዘዋዋሪ ብድር				ሁለተኛ ዙር የተሰጠ ተዘዋዋሪ ብድር	
		የቁጠባ ብር መጠን (1)	በ2010 ዓ.ም የተበደሩት ብር መጠን (2)	ጠቅላላ ብር (1+2)	ከብድር ተመላሽ የሆነ ብር	በ2011 ዓ.ም የተሰጠ ተዘዋዋሪ ብድር	ተመላሽ የሚሆን ብድር
1	ሀስና አሊ አብደላ	318	3000	3318	3000	3000	
2	ራድያ አሊ ሀመድ	278	3000	3278	3000	3000	
3	ሀሊማ ሀመድ መ/ድ	178	3000	3178	3000	3000	
4	ፋጡማ ኡትባን መ/ድ	238	3000	3238	3000	3000	
5	ኢይሳ ሀመድ ሀመድ	218	3000	3218	3000	3000	
6	ኢይሳ ኡስማን ቴቤይ	218	3000	3218	3000	3000	
7	ኢይሳ ሀመድ አብደላ	218	3000	3218	3000	3000	
8	ፋጡማ ኢብራሂም አሊ	198	3000	3198	3000	3000	
9	ሀዋ መ/ድ ኢብራሂም	138	3000	3138	3000	3000	

10	አምቢያ ያህያ ድ/ድ	210	3000	3210	3000	3000
11	ፋጡማ አሊ ረሽዶ	198	3000	3198	3000	3000
12	ከድጃ አብዱ አሊ	190	3000	3190	3000	3000
13	ዘሀራ ሀመድ አሊ	210	3000	3210	3000	3000
14	ሀስና ሙ/ድ ሉኡጉድ	190	3000	3190	3000	3000
15	ሀሊማ ኢብራሂም ሁሴን	190	3000	3190	3000	3000
16	ፋጡማ ሙ/ድ ኡስማን	190	3000	3190	3000	3000
17	አሚና አልዩ ናኩዳ	190	3000	3190	3000	3000
18	አስያ አብዱላህብ ያህያ	190	3000	3190	3000	3000
19	ኢይሳ አብድላ ሉኡጉድ	130	3000	3130	3000	3000
20	ፋጡማ ሙ/ድ ሩፋ	190	3000	3190	3000	3000
21	ሀሊማ ሁሴን አሊ	190	3000	3190	3000	3000
22	አስያ ሙ/ድ ናኩዳ	190	3000	3190	3000	3000
23	ፋጡማ ኡስማን ሀቢብ	190	3000	3190	3000	3000
24	ሀሊማ ሙ/ድ ኢብራሂም	190	3000	3190	3000	3000
25	ሀሊማ ሙ/ድ ቤታ	190	3000	3190	3000	3000
26	ሀሊማ አብዱ ሙ/ድ	130	3000	3130	3000	3000
27	ፋጡማ አብዱ ሁሴን	130	3000	3130	3000	3000
28	ኢይሳ ኢብራሂም ሀመድ	-	3000	3000	3000	3000
29	አሚና ያህያ ሙ/ድ	110	3000	3110	3000	3000
30	ፋጡማ አብዱ ሁመድ	190	3000	3190	3000	3000
31	ፊቲ አልዩ አብደላ	150	3000	3150	3000	3000
32	ስአድያ ያህያ ሀመድ	150	3000	3150	3000	3000
33	ሀሊማ ሀመድ ሙሳ	150	3000	3150	3000	3000
34	መክያ አሊ ሀመድ	310	3000	3310	3000	3000
35	ፋጡማ አብዱ ረሽዶ	310	3000	3310	3000	3000
36	ሀሊማ ረሽዶ ሀመድ	310	3000	3310	3000	3000
37	ፋጡማ ያሲን ረሽዶ	310	3000	3310	3000	3000
38	ፋጡማ አህመድ ኡስማን	310	3000	3310	3000	3000
39	ፋጡማ ኢብራሂም አሊ	310	3000	3310	3000	3000
40	ኩሉስማ ሙ/ድ አስመሊ	190	3000	3190	3000	3000
41	ስአድያ አሊ ሁሴን	130	3000	3130	3000	3000
42	ፊቲ አሊ ሙሳ	110	3000	3110	3000	3000

43	ሀሊማ ፈረደ መ/ድ	110	3000	3110	3000	3000
44	ሀስና ረሲደ ሁሴን	190	3000	3190	3000	3000
45	ከይርያ መ/ድ መ-ሳ	310	3000	3310	3000	3000
46	ሀሊማ ያሲን ኡስማን	110	3000	3110	3000	3000
47	አስያ ደረሳ አሊ	110	3000	3110	3000	3000
48	ሀሊማ መ/ድ አደራ	-	3000	3000	3000	3000
49	ስአድያ መ/ድ አስማኤል	170	3000	3170	3000	3000
50	ሀሊማ ኡብዱ ሀመድ	170	3000	3170	3000	3000
	ድምር	9,500	150,000	159,500	150,000	150,000

11. Annex IV List of Demale project farmer owing irrigation land

ተ.ቁ	ስም ዝርዝር	ተ.ቁ	ስም ዝርዝር	ተ.ቁ	ስም ዝርዝር
1	ካዲጋ ዲብራሂም መ/ድ	49	.ያህያ አሊ ቦሬ	97	ሀመድ ጃቢርአ/ድ
2	አሊ እንድሪስ አሊ	50	.ኡስባን አብደላ ማሀመድ	98	አሊ ጃቢር አ/ድ
3	መ/ድ እንድሪስ አሊ	51	.ሁሴን ሆደሌ ናኩዳ	99	.አብዱ ጃቢር አ/ድ
4	ሀመድ ረሽድ መ/ድ	52	.ሀስና ደረሳ አ/ድ	100	ሀመዲን ጃቢር
5	መ/ድ ሀመድ አሊ	53	እንድሪስ ኢብራሂም አብደላ	101	.ሁሴን አሊ አ/ድ
6	.ሃምድ አረቡ	54	.ሃስና ኢብራሂም አሊ	102	ሀሊማ ረሽድ ቦሬ
7	ኢብራሂም አሊ መ/ድ	55	.መ/ድ አብደላ ኢለማ	103	.ከዲጋ አብዱ አሊ
8	.አብዱ ዱልፋ መ/ድ	56	.አሚና እንድሪስ ሁሴን	104	.መአር ረሽድ ኡስባን
9	.ፋጡማ ሀመድ መ/ድ	57	.ኤይሳ ኢብራሂም አብደላ	105	.ኡስባን ያሲን ቦሬ
10	.ያሲን ረሽድ ቦሬ	58	.ኡመርዲን ኡስማን ሀቢብ	106	አሊ አህመድ አብደላ
11	.ፋጡማ አሊ ረሽድ	59	.አብዱ ኡስማን ሀቢብ	107	.መ/ድ አብደላ መ/ድ
12	አህመድ አብደላ	60	.ሰአዳ መ/ድ ናኩዳ	108	.አብደላ መ/ድ እንድሪስ
13	ኡስባን አብደላ	61	.ሀስና ረሽድ ሁሴን	109	.ሀመዲን ኡመር መ/ድ
14	.መድና ሀመድ ቡለአ	62	.ረሽድ ኡመርዲን ሀቢብ	110	.ኢብራሂም ኡጎባን መ/ድ
15	.መዲና አብደላ ኡስባን	63	.ኡጎባን ኡመርዲን ሀቢብ	111	.ኡስባን ያህያ መ/ድ
16	.ፋጡማ አሊ አ/ድ	64	.ሁሴን ኡመርዲን ሀቢብ	112	.እንድሪስ ያህያ መ/ድ
17	.አህመድ ኡስባን አሊዩ	65	.መዲና መ/ድ በዲሌ	113	.አሊ ያህያ መ/ድ
18	.ዘሀራ አ/ድ አብደላ	66	.አብዱ ሰመድ መሀመድ	114	ሁሴን መ/ድ ደለቢስ
19	.ሞሚና ሀመድ አብደላ	67	.ራቢያ አህመድ መ/ድ	115	.ሁሴን አብዱ ሳላ
20	አስኮባ ሳሬ አብደላ	68	.ፋጡማ አብደላ መ/ድ	116	.ፋጡማ መ-ሳ አብደላ
21	.መ/ድ አብዱ አህመድ	69	.ሀአንዲ ኢብራሂም	117	ጃቢር አ/ድ ሸህአሊ
22	.ፋጡማ አብዱ አህመድ	70	.ኤይሳ እንድሪስ ሁሴን	118	.ኡስባን አብዳሰ አይዳሂሰ
23	.ያሲን አህመድ ጁሀር	71	.መ/ድ ኢብራሂም አሊ	119	ሴሮ መ-ሳ
24	.ሁሴን አህመድ ጁሀር	72	.ሁሴን አደር አሊ	120	.ሀመድ እንድሪስ መ/ድ
25	.ሞሚና ሀመድ መ/ድ	73	.መ/ድ ረሽድ አሊ	121	.አብዱ ቦሬ ሸክአሊ
26	.ኤይሳ ሀመድ እንድሪስ	74	.ገዳሊ ኡስባን አሊዩ	122	ያሲን ደረሳ መ/ድ
27	.አብዱ ረሽድ ቦሬ	75	.ኢብራሂም ኡስባን አልዩ	123	.መ/ድ አብደላ ሆደሌ

28	.ኑር ረሽድ ቦሬ	76	.ማሂ ያሲን አብደላ	124	መ/ድ አብዱ አሊ
29	.መይረም አሊ ረሽድ	77	.መ/ድ አብዱቃደር ቦሬ	125	.መ/ድ አብዱ ማሀመድ
30	.ኡስባን ረሽድ ቦሬ	78	.ያሲን ረሽድ ቦሬ	126	.ሁሴን ኑር ሆደሌ
31	.መ/ድ አህመድ አብደላ	79	.ያህያ መ/ድ ሉኡጉዳ	127	.ሀመድ አ/ድ ሆደሌ
32	.መድና ሀመድ ቡለአ	80	.ያሲን ረሽድ ሀመድ	128	አሊ ቦሬ አስመሊ
33	.አብደላ ያሲን አብደላ	81	አብደላሉኡጉድ ሸህአሊ	129	.አንድሪስ አሊ ኡስማን
34	.ፋጡማ እንድሪስ አብደላ	82	.ፋጡማ አረብ ሩፋ	130	.ሀመድ ሙ/ደ ሀመዲን
35	.ያህያ ኡስባን አሊዩ	83	.ሃዋ መ/ድ ሉኡጉድ	131	.ሆደሌ አ/ድ ሀመዲን
36	.እንድሪስ ያስን አብደላ	84	.መ/ድ ያሲን ሀቢብ	132	.ሙሳ ሀመዱ አሊ
37	.ሰአዳ አሊ ናኩዳ	85	.አህመድ ያሲን ሀቢ	133	.ሙሀመድ ሀመድ አሊ
38	እንድሪስ አሊ ያሲን	86	.አማና መአር መ/ድ	134	.አብዱ እንድሪስ ኢብራሂም
39	.ጀማል ያሲን አብደላ	87	.ስኦድያ አህመድሀቢብ	135	.አብዱ ዱልፋ ኢብራሂ
40	.ሀመድ ያሲን አብደላ	88	.ሁሴን ረሽድ ሀቢብ	136	ያሲን አ/ድ ሙሀመድ
41	.ያህያ አሊ ቦሬ	89	.ሀመድ ረሽድ ሀቢብ	137	.አሊ አ/ድ ሙ/ድ
42	ኡስባን አብደላ አሊ	90	ሳልህ መ/ድሀቢብ	138	.ኡስባን መ/ደሌ
43	.አብዱ ኢብራሂም ማሀመድ	91	.ሀሲማ ሀመድ በለአ	139	አሊ ሙ/ድ ሆደሌ
44	.ጀማል አሊ አ/ድ	92	.አሊ ኡስባን አሊዩ	140	.መ/ድ አህመድ ሙ/ድ
45	ሀሲማ ኢብራሂምሙሀመድ	93	.ያሲን አ/ድ አብደላ	141	.አብደላ ዱ ቦኢድ
46	አሊ ኡስማን አብደላ	94	.ሳልህ ያሲን አብደላ	142	.አብዱ ኡስባን ደረሳ
47	.እንድሪስ ሁሴን አሊ	95	.አብዱ ረሽድ ቦሬ	143	.አብዱ ሙ/ደ ኦድ
48	.ሀስና ሁሴን አሊ	96	.ሁሴን መ/ድ ሉኡጉዳ	144	.ሀመድ አብዱ ሙ/ድ
ተ.ቁ	ስም ዝርዝር	ተ.ቁ	ስም ዝርዝር	ተ.ቁ	ስም ዝርዝር
145	.ፋጡማ አብዱ ሙሀመድ	194	.አሊ መ/ድ ሉኡጉዳ	243	ሙ/ድ እስመኤል ደለቢስ
146	.ከዲጋ ኡስባን ቲቤይ	195	.አማና መ/ድ ሀመድ	244	ሁሴን እስማኤል ደለቢስ
147	.ሀስና ዘይኑ ኡትባን	196	.ኤይሳ አብደላ ሉኡጉድ	245	.አብዱ አሊ ኢብራሂም
148	.መሀመድ አሊ ካራ	197	.አሊ ሚፍታህ ሁሴን	246	ሁሴን ሆደሌ ናኩዳ
149	.እምቢዳ አልዩ ሀመድን	198	.መ/ደ አሊ ሩፋ	247	.መ/ድ ረሽድ ሁመድ
150	.ኡስባን ተሀ አድሙ	199	.ሚፍታህ ቦሪ አ/ድ	248	.ሙ/ድ አብደላ ረሀ
151	.አማና ሙሀመድ ተሀ	200	.አብዱ ቦሪ አ/ድ	249	.እንድሪስ አሊ ደለቢስ
152	.ሳፊ አብዱ ሀመድ	201	.ኤይሳ ቦሪ አ/ድ	250	.ማሀመድ ሀመዱ መ/ድ
153	.ኡስባን ሙሀመድ ሀመድ	202	.ከድር ሙሳ ኢብራሂም	251	.ኢብራሂም አሊ መ/ድ
154	.ሰአዳ አሊ ናኩዳ	203	.ሁሴን ሙሳ ኢብራሂም	252	.አቡበከር ሳልህ አሊ
155	.ጀማል ያሲን አብደላ	204	.ፋዩማ አ/ድ ሸህአሊ	253	ዘይኑ መ/ድ
156	.ያህያ እንድሪስ	205	.አብደላ ጃቢር አ/ድ	254	.ኡስባን ረሽድ ሁመድ
157	.ሀመድ ረሽድ መ/ድ	206	.አብዱል ወሀብ	255	.አማና መ/ድ ኢሰማ
158	.እንድሪስ አሊ መ/ድ	207	.አሊ ያህያ አሊ	256	.ደረሳ ኡስማን አሊዩ
159	ኢብራሂም መ/ድ ሀቢብ	208	.መ/ድ ቤታ መ/ድ	257	.መ/ድ አ/ድ አብደላ
160	.ኑር አሊ አ/ድ	209	.ሁሴን አሊሁሩስ	258	አሊ ሀመድ አብደላ
161	.ሙሳ አሊ አብደላ	210	ሀመድ ሙሳ አሊ	259	.መ/ድ አሊዩ ሀመዲን
162	.ሆደሌ አሊዩ ሀመድን	211	.መ/ድ ኢብራሂም ሙሀመድ	260	.ያሱፍ አሊ አስመሊ
163	.ሳሊህ መ/ድ አሊዩ	212	.አብዱ ኢብራሂም ማሀመድ	261	.ኡስማን ረሽድ ቦሬ
164	አለመሱ አሊ መ/ድ	213	.ሚፍታህ ያሲን ሀቢብ	262	.ሁሴን ረሽድ በሪ
165	.ሀመድ ያሲን ብልሀቱ	214	.መ/ድ ያሲን ሀቢብ	263	.ያሲን ረሽድ ቦሬ
166	.መ/ድ ሀመድ ቦሬ	215	.ሀመድ ያሲን ሀቢብ	264	.መ/ድ አብደላ ኡስባን
167	.ኤይሳ ፊር መ/ድ	216	.ፋጡማ ሙሳ ሰለቱ	265	.አሊ ኡስማን ቦሬ
168	.መድና አ/ድ በልአ	217	.አብደላ መ/ድ ሀመድ	266	ሁሴን አህመድ ቦሬ
169	.መይረም መ/ድ ሀመዲን	218	ሁሴን መ/ድ ሀመዲ	267	.ያሲን አብዱ አሊ
170	.ፋጡማ አሙር ማሀመድ	219	.እንድሪስ ጃቢር ሴር	268	ኢብራሂም አሊ አብደላ
171	.መሀመድ ሳልህ ኑር	220	ደረሳ አልዩ ሀመዲን	269	.ኤይሳ አሊኡንደጉ

172	.ሀመድ ኢብራሂም ሀመድ	221	.ኩስማን አልዩ አክስማኤል	270	.መ/ድ አሊ መ/ድ
173	.መ/ድ አሊ በድር	222	.መ/ድ ኩስባን አደም	271	.አሚሚያ መ/ድ አሊ
174	.መ/ድ አሊዩ ሀመዲን	223	.መክር መ/ድ ሀጂአሊ	272	.ኤይሳ አሊ ሀድ
175	.አሊዩ ሀመድ ለኩጉድ	224	.ሀመድ እንድሪስ ደለቢስ	273	.እንድሪስ አሊ ሀመድ
176	.ፋጡማ ኩስባን በሪ	225	.ኩስማን መ/ድ ሁመዳ	274	.ሀመድ አሊ ክ/ድ
177	.ሀመድ መ/ድ አደራ	226	ክ/ድ አሊ ሞሚን	275	.ኢብራሂም አሊክ/ድ
178	.ሁሴን መ/ድ አሊ	227	.ኢብራሂም ክ/ድ ሙ/ድ	276	.መ/ድ ሀመድ ቦሪ
179	.ሁሴን ሙ/ድ እንድሪስ	228	.መ/ድ ኩስማን ቲቤይ	277	.አሊ ኢብራሂም ሀመድ
180	ሀመድ ሙ/ድ እንድሪስ	229	.መ/ድ ሉኩጉድ ሸክአሊ	278	ሙሳ ኢብራሂም ሀመድ
181	.አብደላ ያህያ ሀመዲን	230	.ኩስማን ቦሪአስመሊ	279	.ያሲን አሊ አብደላ
182	አልዩ አብደላ ቡረሀባ	231	.እንድሪስ ሀመድ አሊ	280	.አብደላ አሊ አብደላ
183	.ኩስባን ሀመድ ሉኩጉድ	232	.ሚፍታህ ሁሴን ሀመድ	281	.መ/ድ አሊ አብደላ
184	.ሙ/ድ አብደላ አሊ	233	.አብደላ መ/ድ አሊ	282	.ኤይሳ አሊ አብደላ
185	.ደዋ አብደላ አሊ	234	.ረሽድ አበዱ ሀቢብ	283	.ሀስና ዘይኑ ሳልህ
186	.ሙ/ድ አብደላ አሊ	235	.እንድሪስ መ/ድ አሊዩ	284	.ያሲን ክ/ድ አሊ
187	.መዲና አሊ ናኩዳ	236	.አሚን አሊ ሁመድ	285	.ኩስማን ሀመድ አሊ
188	ገዳሊ ኩስባን አርጎፋ	237	.መ/ድ አሊ ሁመድ	286	.ዘሀራ ሀመድ አሊ
189	.ክ/ድ መ/ድ እንድሪስ	228	.ያሲን ቦሪ አስመሊ	287	.ኢብራሂም ሀመድ አሊ
190	አሚና አሊ ሆደሌ	239	.ሀስና ያሲን አብዳላ	288	.ኩስማን ረሽድ ሀመድ
191	.መ/ድ ሁመድ መ/ድ	240	.ሀሊማ ያሲን አብደላ	289	.አሊ ረሽድ ሀመድ
192	.ረሽድ ሁሴን ሀመድ	241	.ዘሀራ ያሲን አብደላ	290	አብዱ ረሽድ ሀመድ
193	.አልዩ አሊ ሆደሌ	242	መ/ድ ያሲን አብደላ	291	መዲና ክ/ድ በልዋ

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292	.ኩስባን ያሲን ቦሪ	335	.ሳሊህ መ/ድ ሁሴን	378	.አሊዩ መ/ድ ሀመዲን
293	.ሁሴን አሊ ቦሪ	336	.አሊ መ/ድ ሙሳ	379	.መ/ድ ደረሳ መ
294	.አሊ ኩስመን ሀቢብ	337	.መሆዲን መክርኩስማን	380	.ሀመድ አብዱ መ/ድ
295	.ሳልህ መ/ድ ሀቢብ	338	ኑር አሊዩ አሊ	381	ያሲን አሊዩ ሀመዲን
296	.አሚን ኢብራሂም መሀሙዳ	339	.ሁሴን መ/ድ አሊዩ	382	.ኤይሳ መ/ድ ሉኩጉድ
297	አብዱ ኢብራሂም	340	.ሀመድ መ/ድ ሀመዲን	383	.ኢብራሂም መ/ድ ሀመድ
298	.አሊ ሁሴን መ/ድ	341	.ሙሳ ሁሴን ሀመድ	384	.ከድር ሙሳ ኢብራሂም
299	.አብዱ መ/ድ አስመሊ	342	ጃቢር ሁሴን ሀመድ	385	.እንድሪስ ያህያ ሙ/ድ
300	.መ/ድ እንድሪስ አስመሊ	343	.ሀመድ መ/ድ አደራ	386	.አሊ መ/ድ ሙሳ
301	.ከድር መ/ድ አሊ	344	ሀመድ ሙሳ አሊ	387	.አብዱ እንድሪስ መ/ድ
302	.ኩስማን መ/ድ አሊ	345	.መ/ድ ሁሴን አብደላ	388	.አሊ ሀመድ ሀመዱ
303	.አብዱልሰመድ አልዩ ሀመድን	346	.መ/ድ ሩፋ ሀመዲን	389	.አሊ አብደላ ሀመድ
304	.እንድሪስ ሀመድ አሊ	347	.መይረም አብደላ መ/ድ	390	.ሁሴን ሙ/ድ ኢብራሂም
305	.ሸክ አሊ ሉኩጉድ	348	.መ/ድ ሳልህ ሩፋ	391	.አሊ እስማኤል ደለቢስ
306	.አሚና መ/ድ ሞሚን	349	.ሀመድ አባዩ አሊ	392	.ፋጡማ ሀመድ መ/ድ
307	.ቦሪ ናኩዳ አልመኮ	350	.አብዱ ኑር አርይታ	393	.አሚና መ/ድ ሁሴን
308	.አብደላ መ/ድ አሊ	351	.አብዱሰባ መ/ድ	394	.መይረም መ/ድ ሁሴን
309	.ያህያ አባዩ አሊ	352	.መ/ድ አብደላ ኩስማን	395	.ሀሊማ መ/ድ ቤታ
310	.እንድሪስ ሆደር አሊ	353	.አይሻ ረሽድ ኩስማን	396	.ጃጎር መ/ድ ጡሀ
311	.አሊ ደማሌ ሀመድ	354	.ሙሳ ሀመድ አሊ	397	.ኤይሻ ሀመድ እንድሪስ
312	.እንድሪስ ያሲን አብደላ	355	.እንድሪስ መ/ድ አደም	398	.ኩስማን መ/ድ ሀመድ
313	.ኩስማን ሀመድ አብደላ	356	.ሁሴን መ/ድ እንደሪስ	399	.ያህያ አብዩ አሊ

314	.አሊ. ሁሴን መ/ድ	357	ቦሪአስመሊ. የአድ	400	.አሊ. አባዩ አሊ.
315	.አብዱ ረሽድ ሀቢብ	358	.ረሽድ አስመሊ. የአድ	401	ሀመድ አባዩ አሊ.
316	.ኩስማን ሀመድ ሀቢብ	359	.ያሲን አስመሊ. የአድ	402	.ሀመድ አባዩ አሊ.
317	.ኩስማን ኡመርዲን ሀቢብ	360	.ያሲን ኡትባን መአር	403	አሊ. አብደላ ሁሴን
318	.አሊዩ አብደላ መ/ድ	361	.አብዱ እንድሪስ ሀመድ	404	.አደም አብደላ አሊ.
319	.መ/ድ አብደላ ሀመድ	362	ሀሊማ አሊ.	405	.እንድሪስ አብደላ አሊ.
320	.ሁሴን መ/ድ ኢብራሂም	363	.አብዱ ሀመድ ሸክአሊ.	406	.አሊ. መ/ድ አብደላ
321	.አብዱ እንድሪስ አደም	364	አሊ.አሊማ ወሃኔ	407	.አብዱ እንድሪስ ኢብራሂም
322	.አሀመድ መ/ድ ሀመድ	365	.መ/ድ ኢብራሂም መ/ድ	408	.ሀሊማ ኩስማን አብደላ
323	.ሁሴን ሀመድ ቦሪ	366	.አሊ. በለአ ደሲ.	409	.ሁሴን ሙሳ ኢብራሂም
324	.ደረሳ ሀመድ ቦሪ	367	.አደር ኡመርመ/ድ	410	.ሙሳ አሊዩ ሀመድ
325	ያሲን ረሽድ ቦሪ	368	.ኢብራሂም ኩስማን ሳሊህ	411	.ሁሴን ጃቢር ሴሮ
326	.እንድሪስ ሀመደድ ኤሊማ	369	.ኢብራሂም መሀመድ ኡመርዲን	412	.ሙሳ አብዱ መ/ድ
327	.መ/ድ አሊዩ ሀመዲን	370	.እንድሪስ ሀመድ ኢሊማ	413	.ሰአዲያ ሀመዲን ዱንሱ
328	.ያህያ ኩስማን አሊዩ	371	.ኩስማን ሀመድ ሉኡጉድ	414	.ኢብራሂም ሳልህ ሀመድ
329	ያህያ አሊዩ ሀመድ	372	.አብደላ ጃቢርሀመድ	415	.መ/ድ አሊ. አርሀ
330	.መ/ድ አሊዩ ሀመዲን	373	.መ/ድ ቤታ መ/ድ	416	.መ/ድ አብደላ ኩስማን
331	.አሊ. መ/ድ ቦሪ	374	.ሚፍታህ ቦሬ ሀመድ	417	ያሲን ሀመዱ የአድ
332	.ኢብራሂም አሊ. ቦሪ	375	.መ/ድ ኢብራሂም አሊ.	418	.ኑር ኢብራሂም አሊ.
333	.ዘሀራ አብዱ አሊ.	376	ሁሴን ሀመዱ መ/ድ	419	.ፋጡማ አልዩ ሀመዲን
334	.ያሲን ቦሪ አስመሊ.	377	.ኩስማን ሁሴን መሀመድ	420	.ሀሊማ አልዩ ሀመዲን
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421	.ሀመድ ሁሴን መ/ድ	453	.ፋጡማ ሙሳ አብደላ	485	.ሀመድ ሁሴን መ/ድ
422	.ኑር አሀመድ ደረሳ	454	.ኡመርአሊ. ማሀሙዳ	486	.አሊ. መ/ድ አሊ.
423	.የሱፍ አሊ. ኢብራሂም	455	.አሚና ያህያሀመድ	487	.አብዱ ሁሴን ሀመድ
424	.አብደላ አባዩ	456	ሁሴን ሀመድመ/ድ	488	.ኢብራሂም አሊ. ኤዳ
425	.ሀመድ አብደላ ቦሪ	457	.አብደላ አሊ.አብደላ	489	.ሙሳ መ/ድ ሁሴን
426	.አብደላ ያህያ ሀመድ	458	.ሀሊማ ሀመድእንድሪስ	490	.አብዱ አሊ. ኤዳ
427	ያሲን ቦሬ እስማል	459	.አብደላ ሀመድኢሊማ	491	.ኤይሳ ያሲን አብደላ
428	.ኢብራሂም መ/ድ ኢብራሂም	460	.አብዱ እስማኤልሀመድ	492	.መ/ድ ያሲን አብደላ
429	.ሁሴን መ/ድ እስማኤል	461	.አብደሰመድ አልዩ ሀመዲን	493	.ፋጡማ እንድሪስ ሀመድ
430	ያሲን ኡመር መሀመድ	462	.ከድር መ/ድ አልዩ	494	.መዲና ኩስማን አብደላ
431	.ኢብራሂም መ/ድ ሉኡጉድ	463	.እንድሪስ መ/ድ አልዩ	495	.ኢብራሂም ሳልህ
432	.ሀዋ ጉድ	464	.ሳሊህ መ/ድ አልዩ	496	.አይሳ ያሲን ኩስማን
433	.ሀስና ሳልህ ማሀሙዳ	465	.ሀመድ ያሲን መ/ድ	497	.ሀሊማ ያሲን አብደላ
434	.ኤይሳ አብደላ ልኩጉ	466	.ረሽድ አሊ. በለአ	498	.ኤይሳ ቦሬ
435	.ሁሴን ኢብራሂም አደም	467	.ሀሊማ ኢብራሂም ሁሴን	499	.መ/ድ አብደላ መ/ድ
436	.ኤይሳ ቦሬ ሀመድ	468	.አምቢያ ያህያ መ/ድ	500	.ከድጃ አሊ.ኢሊማ
437	.ሀሊማ ረሽድ ቦሬ	469	.ኢንደጊ ኡመርዲን ሀቢብ	501	.ኢብራሂም ሀመድ አሊ.
438	.ከድጃ አብዱ አሊ.	470	.ኤይሳ መ/ድ አደር	502	.ከድር ሀቢብ
439	.ስአድያ አብዱ ኢልጊብሴን	471	.አሊ. መ/ድ ሉኡጉድ	503	.አ/ድ ኩስባን ሀቢብ
440	.አሊ. ጃቢር ሀመድ	472	.ያህያ መ/ድ ሉኡጉድ	504	. ዘሀራ ረሽድሀመድ
441	.ስአድያ ኢብራሂም ማሀሙዳ	473	.አብብከር ሳልህ	505	.ያህያ አሊ. ቦሬ
442	.ፈረደ መ/ድ ሀመድ	474	.ሁሴን ጃቢር ሴሮ	506	.ሀመድ አሊ. ቦሬ
443	.ከይርያ እንድሪስ ሁሴን	475	.እንድሪስ ኡመር መ/ድ	507	.አብደላ አሊ. ቦሬ
444	.አብዱ መ/ድ አደራ	476	.ደረሳ ከረላ	508	.ከይርያ ሰአዲጊ
445	ሀመድአብዱዱሩስ	477	.መ/ድ እስማኤል ሀመድ	509	.አብዱ ረሽድ ሀመድ

446	ሙሳ ሀመድሉኩጉድ	478	.ረሽድ አሊ ሙ/ድ	510	ሙዲና አህመድ በልዋ
447	.ሙ/ድ አባዩ አሊ	479	.እንድሪስ ያሲን አብደላ		
448	.አብደላ አባዩ አሊ	480	.እንድሪስ አሊ ያሲን		
449	ያህያ አባዩ አሊ	481	.ሙዲና አብደላ ኡስማን		
450	.ያሲን አሊ አሊቦሬ	482	.አብዱሰመድ ያሲን		
451	.ሁሴን ሙሳ ኢብራሂም	483	.ሙ/ድ ያሲን አብደላ		
452	ሙ/ድ ሀመድ ኢለማ	484	.ሙ/ድ አብደላ ያሲን		