



**Construction of Reservoir,
Sedimentation Tank & Irrigation
System at Berry Farms in Uzbekistan**

Bi-weekly Report

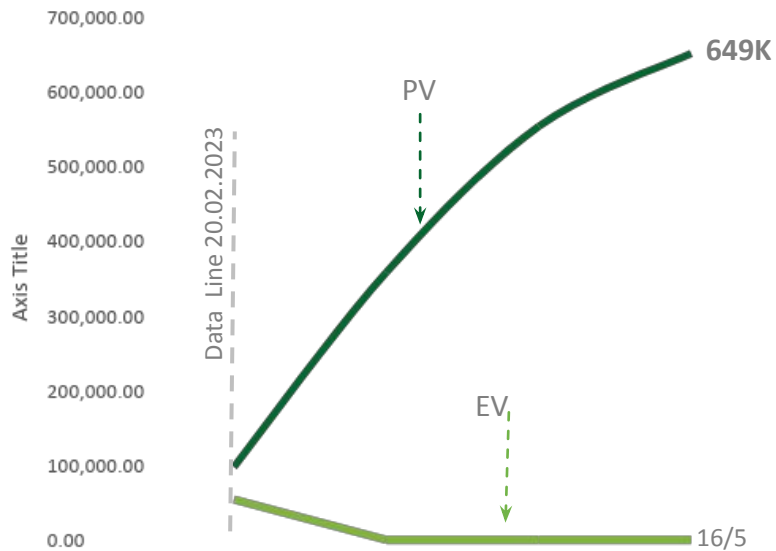
20th February 2023

#	Description
1	Present the progress made during the past week (6 th February to 20 ^h of February).
2	Issues and concerns

Project Description:-

- 2 sumps are being worked on in parallel and works are being carried out in accordance with quality and standard rules
- About 17 techniques are involved for water reservoirs till today
- Earthwork excavations, leveling and compaction works are being monitored daily

Project Performance:- Reservoir

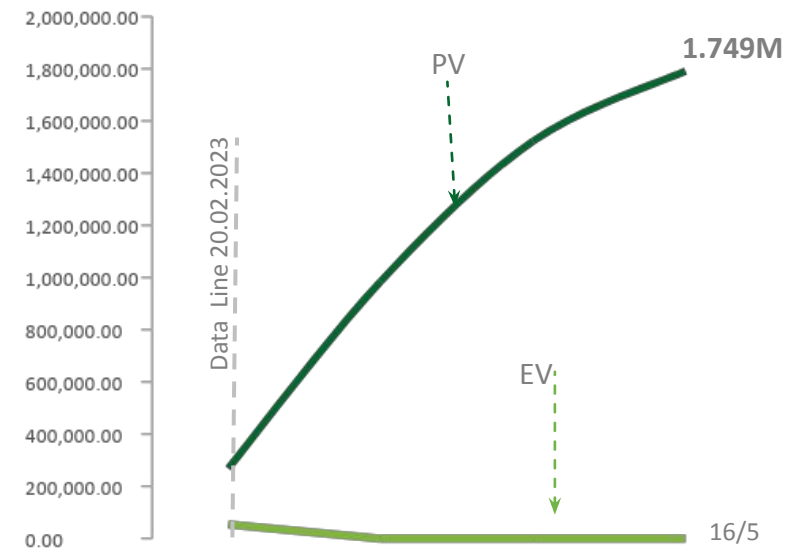


- $SPI (value) = 1.24 = \frac{EV}{PV}$

Summary:-

- Reservoir: Excavation works commenced on 09.02.2023
- Pre-water: Setting out completed.
- Irrigation:

Project Performance:- Irrigation System



- $SPI (value) = 1.04$

Legend:
Base Line - 
Actual - 

Progress Overview:-

- Basically, Now, tranches of strawberry sub main lines are excavated
- almost 2000 trenches were dug

Photos:-



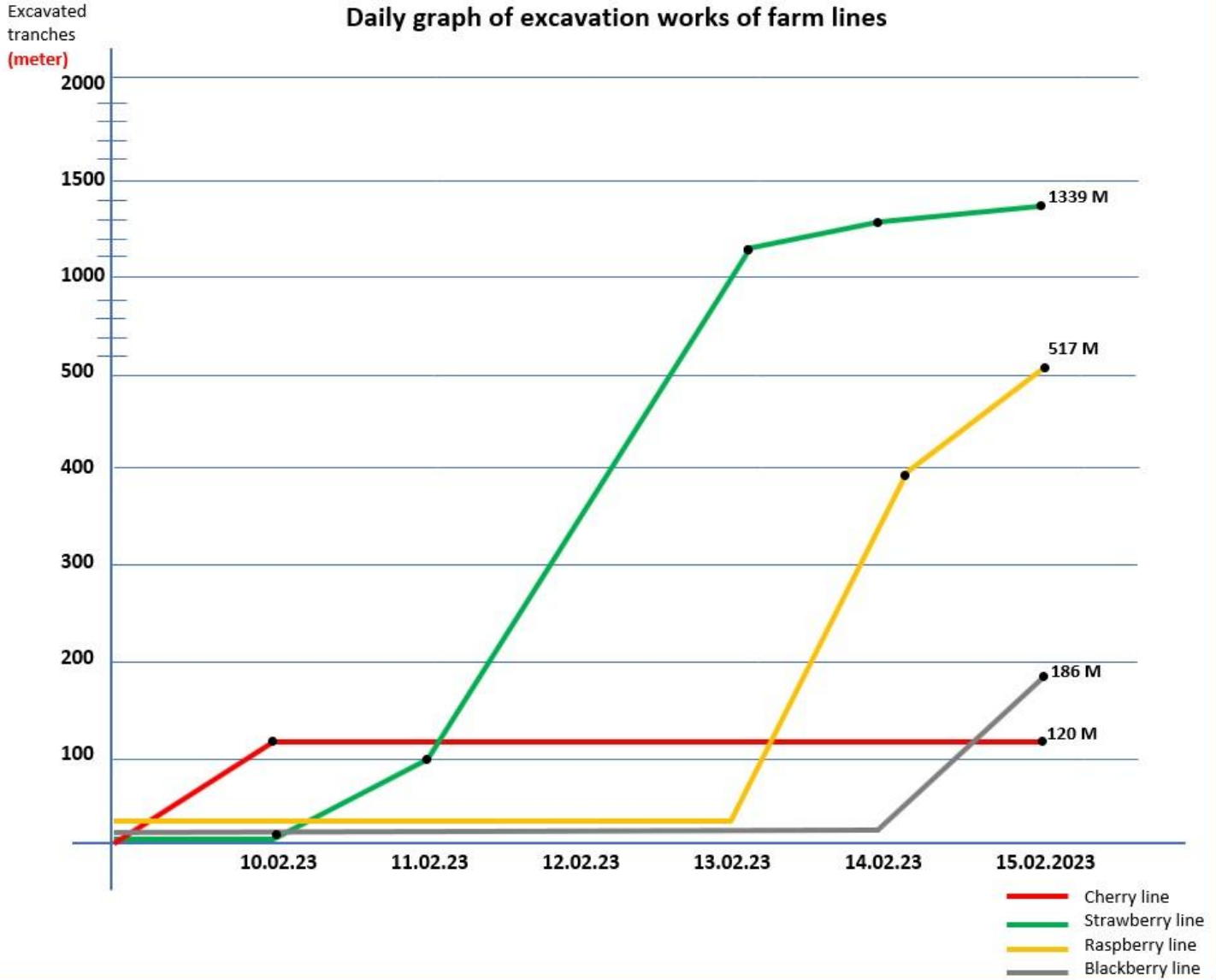
Irrigation System:-

Development Key Items	2023				Status Update		
	Feb	Mar	Apr	May	Agreed Planned %	Actual	Var
Cherry Farm - Head Unit	<div style="width: 100%; background-color: green;"></div>				100%	1%	99%
Cherry Farm - Main Line	<div style="width: 100%; background-color: green;"></div>				0%	0%	0%
Cherry Farm - SubMain Line	<div style="width: 100%; background-color: green;"></div>				0%	0%	0%
Irrigation Valves & RTU	<div style="width: 100%; background-color: green;"></div>				0%	0%	0%
Drip Line and accessories	<div style="width: 100%; background-color: green;"></div>				0%	0%	0%
Blueberry , Blackberry, Raspberry & Strawberry Farm							
Head Unit	<div style="width: 100%; background-color: green;"></div>				0%	0%	0%
Main Line	<div style="width: 100%; background-color: green;"></div>				100%	25%	75%
SubMain Line	<div style="width: 100%; background-color: green;"></div>				100%	35%	65%
Irrigation Valves & RTU	<div style="width: 100%; background-color: green;"></div>				0%	0%	0%
Drip Line and accessories	<div style="width: 100%; background-color: green;"></div>				0%	0%	0%
Testing & Commissioning	<div style="width: 100%; background-color: green;"></div>				0%	0%	0%
Handover	<div style="width: 100%; background-color: green;"></div>						

Excavation works



Daily graph of excavation works of farm lines



Progress Overview:-

Excavation works were started earlier on the Cherry line than other crops and reached 120 meters and remained unchanged until February 15. The strawberry line had a big increase within 3 days and rapidly reached 1152 meters from 100 meters till 13 February and nowadays this line is one of our leading lines. The Raspberry Line was one of the weakest line until February 13. However, in this day, it improved and reached 390 meters, and 3/1 of yesterday's work was done next day, Talking about one of our lowest lines. It was the Blackberry line. On February 15th, some effective digging was done and it went one step above the lowest (186 m).

Crops	Fri 10.02.23	Sat 11.02.23	Sun 12.02.23	Mon 13.02.23	Tue 14.02.23	Wed 15.02.23
Cherry line	120 m	-	-	-	-	-
Strawberry line	-	100 m	-	1052 m	137 m	50 m
Raspberry line	-	-	-	-	390 m	127 m
Blackberry line	-	-	-	-	-	186 m

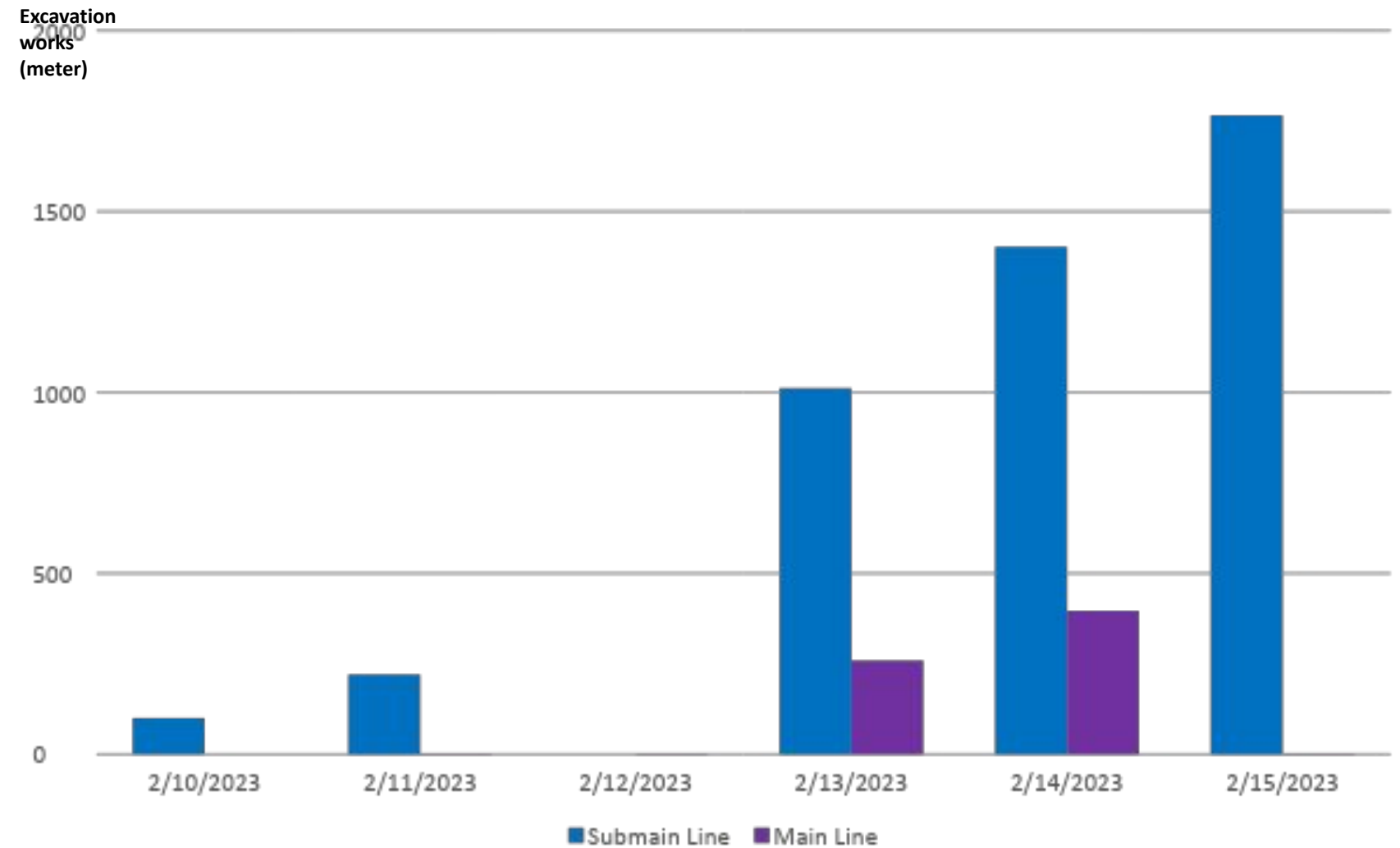
Overall length -25547 m = **100%** (Total meter of excavation works)
 Done -2162 m = **8,5 %** (Total meter of completed work from 10 till 15 Feb)

Excavation works

Photos on progress



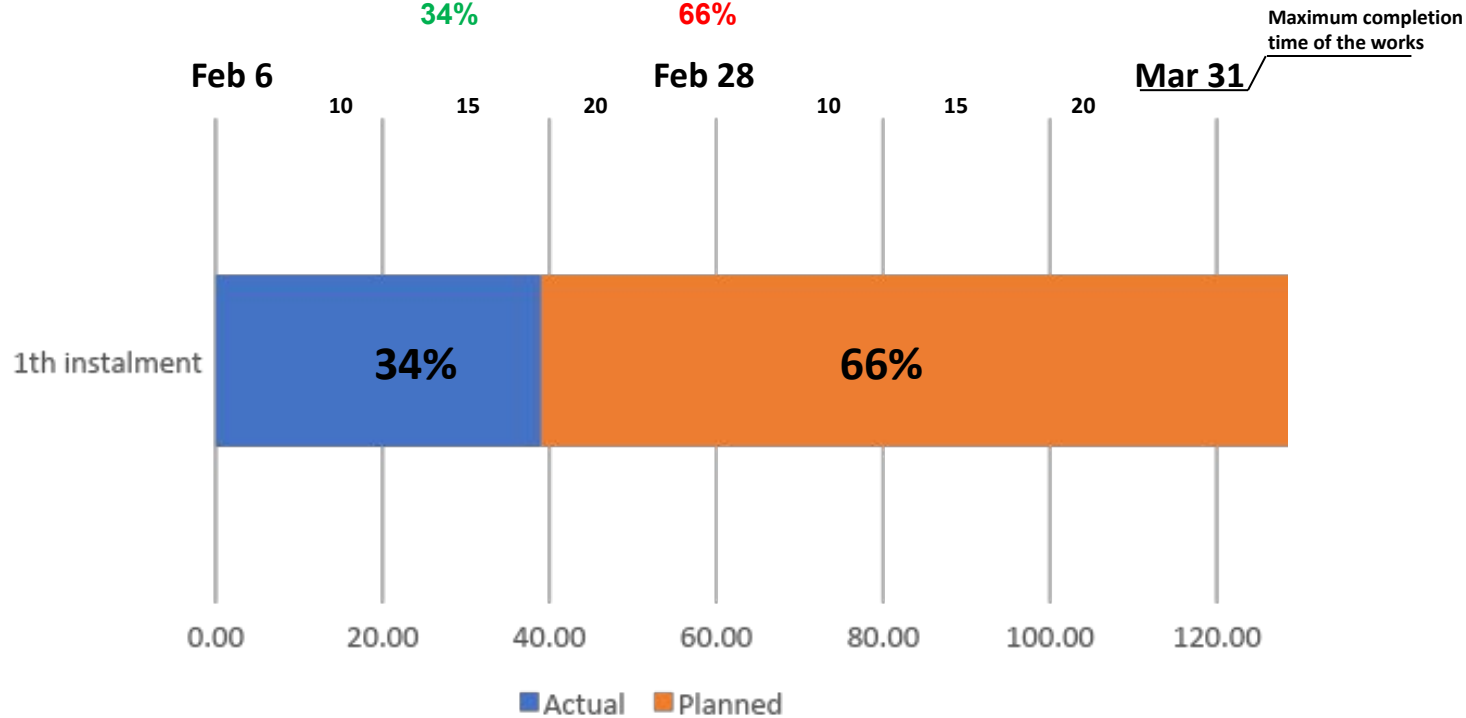
Excavation works of Main and Submain lines



Irrigation System

1th instalment on contract

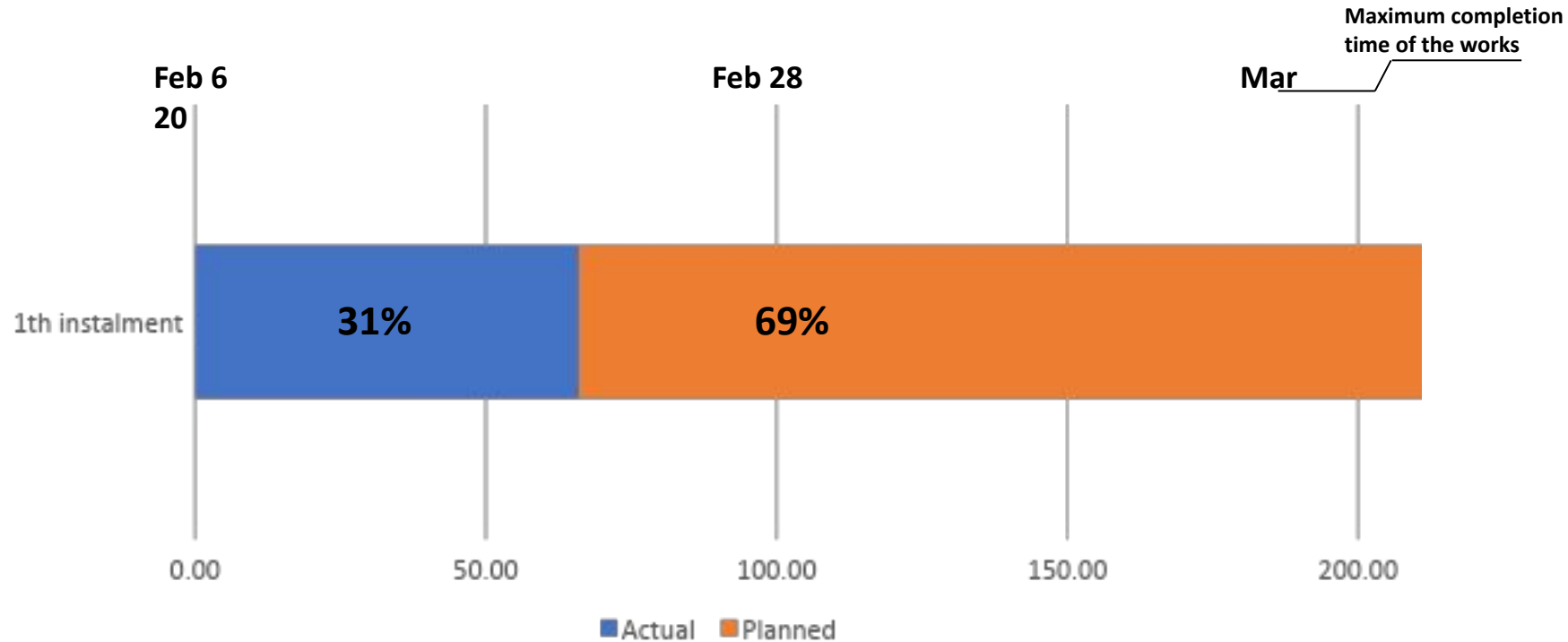
Description	Done	Left
-Engineering and Design	100%	0%
-Trench Excavation & Back	10%	90%
-Transportation	50%	50%
	34%	66%



Sediment Basin and Water Reservoir

1th instalment on contract

Description	Done	Left
-Water pool Earthwork excavation, ramming and removal	30%	70%
-Sediment basin Earthwork excavation, ramming and removal	80%	20%
	31%	69%





ISSUES & CONCERNS

- Due to the fact that it is winter now, there are problems with moving equipment in the field, earthwork excavation of segmentation and main tanks, compaction them, and digging trenches. Techniques are sinking in the mud.
- A separate working group has been assigned the task of completing the amenities specified on Appendix A.
- Due to the fact that there are residential areas around the facility, the technics cannot work until late at night

Project Schedule (Reservoir)



Description of Works	Original Duration	Base Line		Actual Duration	Status Update		Planned %	Actual %	VAR
		BL Start	BL Finish		Actual Start	Actual			
Project Summary	123	13-Jan-23	16-May-23	123	13-Jan-23		30,89%	30,89%	0,00%
Award of Contract	-	13-Jan-23	-		13-январь-23 А		-	-	-
Project Start	-	13-Jan-23	-		01-фев-23 А		-	-	-
Project Finish		-	16-May-24				-	-	-
Control Milestone							-	-	-
Completion of Water Pool	-	-	12-May-23				-	-	-
Completion of Reservoir	-	-	15-May-23				-	-	-
Preliminaries									
Preliminaries	121	17-Jan-23	18-May-23		17-Jan-23		28,10%	25,00%	-3,10%
Design							-	-	-
Water Reservoir & Water Pool	13	17-Jan-23	30-Jan-23		17-Jan-23	14-Feb-23	100,00%	100,00%	0,00%
Procurement							-	-	-
Reservoir / Pre Waterpool									
Geotextile	83	3-Feb-23	27-Apr-23		3-Feb-23		20,48%		-20,48%
Geomembrane / Liner	27	24-Mar-23	20-Apr-23		13-Feb-23		0,00%		0,00%
Water Bar / bentonite	83	3-Feb-23	27-Apr-23		3-Feb-23		20,48%		-20,48%
Mobilization									
Mobilization	9	3-Feb-23	12-Feb-23		3-Feb-23	12-Feb-23	188,89%		-188,89%
De-Mobilization	8	17-May-23	25-May-23				0,00%		0,00%
Construction									
Pre Water Pool / Sedimentation Tank	98	6-Feb-23	15-May-23		6-Feb-23		14,29%	31,00%	16,71%
Earthwork excavation	81	6-Feb-23	28-Apr-23		6-Feb-23		17,28%	80,00%	62,72%
Gravel Filling & Compaction	25	6-Feb-23	3-Mar-23		6-Feb-23		56,00%	40,00%	-16,00%
Polyethylene Film Installation - (Min 1000 Gauge)	13	3-Mar-23	16-Mar-23				0,00%		0,00%
Concrete Base Slab	13	16-Mar-23	29-Mar-23				0,00%		0,00%
Installation of Water Bar (bentonite) at Construction Joint	41	29-Mar-23	9-May-23				0,00%		0,00%
Walls & Concrete Platform (1.5m wide)	6	9-May-23	15-May-23				0,00%		0,00%
Reservoir	99	6-Feb-23	16-May-23		6-Feb-23		14,14%	10,00%	-4,14%
Earthwork excavation	102	6-Feb-23	19-May-23		6-Feb-23		13,73%	20,00%	6,27%
Levelling & Compaction	53	6-Feb-23	31-Mar-23		6-Feb-23		26,42%	17,00%	-9,42%
Installation of Geotextile	25	20-Mar-23	14-Apr-23				0,00%		0,00%
Installation of Geomembrane / Liner	20	14-Apr-23	4-May-23				0,00%		0,00%
Concrete Platform (1.5m wide)	27	16-May-23	12-Jun-23				0,00%		0,00%
Installation of Fence	4	8-May-23	12-May-23				0,00%		0,00%
Testing & Commissioning							-	-	-
Testing & Commissioning	4	8-May-23	12-May-23				0,00%		0,00%
Handover							-	-	-
As-built	1	12-May-23	13-May-23				0,00%		0,00%
Warranty Certificate	366	16-May-23	16-May-24				0,00%		0,00%
Operation & Maintenance Manual	1	17-May-23	17-May-23				0,00%		0,00%
T & C Report	1	18-May-23	18-May-23				0,00%		0,00%
Defective Liability Period							-	-	-
Maintenance Period	366	16-May-23	16-May-24				0,00%		0,00%

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Legend:
 Base Line – 
 Actual - 

Project Schedule (Irrigation)

Description of works	Duration	BL Start	BL Finish	Duration	Actual Start	Actual Finish	Planned %	Actual %	VARI
Project Summary	123	13-Jan-23	16-May-23	123	13-Jan-23		30,89%	30,89%	0,00%
Award of Contract	-	13-Jan-23	-		13-Jan-23		-	-	-
Project Start	-	17-Jan-23	-		17-Jan-23		-	-	-
Project Finish	-	-	16-May-23				-	-	-
Control Milestone	-	-	-				-	-	-
Completion of Reservoir	-	-	15-May-23				-	-	-
Completion of Irrigation works - Cherry	-	-	12-May-23				-	-	-
Completion of Irrigation works - Bluberry	-	-	17-Apr-23				-	-	-
Completion of Irrigation works - Black berry / Raspberry	-	-	5-Apr-23				-	-	-
Completion of Irrigation works - Strawberry	-	-	5-Apr-23				-	-	-
Preliminaries	-	-	-				-	-	-
Preliminaries	126	17-Jan-23	23-May-23		17-Jan-23		26,98%	0,00%	-26,98%
Design	-	-	-				-	-	-
Irrigation System for Berry Farms	13	17-Jan-23	30-Jan-23		17-Jan-23	30-Jan-23	100,00%	100,00%	0,00%
Procurement	62	7-Feb-23	10-Apr-23		7-Feb-23		20,97%	0,00%	-20,97%
Irrigation System	7	7-Feb-23	14-Feb-23		7-Feb-23	14-Feb-23	185,71%	0,00%	-185,71%
Main Line - HDPE Pipe	54	2-Feb-23	28-Mar-23		2-Feb-23		33,33%	0,00%	-33,33%
Sub-Main Line - HDPE Pipe	40	24-Feb-23	5-Apr-23		24-Feb-23		0,00%	0,00%	0,00%
Irrigation Pumps & Filter	34	1-Feb-23	7-Mar-23		1-Feb-23		55,88%	0,00%	-55,88%
Fertigation System	68	1-Feb-23	10-Apr-23		1-Feb-23		27,94%	0,00%	-27,94%
Drip line & Accessories	68	1-Feb-23	10-Apr-23		1-Feb-23		27,94%	0,00%	-27,94%
Mobilization	14	31-Jan-23	14-Feb-23		31-Jan-23	14-Feb-23	142,86%	0,00%	-142,86%
Mobilization	14	31-Jan-23	14-Feb-23		31-Jan-23	14-Feb-23	142,86%	0,00%	-142,86%
De-Mobilization	14	29-Jun-23	13-Jul-23				0,00%	0,00%	0,00%
Construction	104	1-Feb-23	16-May-23				18,27%	0,00%	-18,27%
Reservoir	104	1-Feb-23	16-May-23		1-Feb-23		18,27%	0,00%	-18,27%
Construction of Reservoir	105	31-Jan-23	16-May-23		31-Jan-23		19,05%	15,00%	-4,05%
Construction of Settlement pool	93	1-Feb-23	5-May-23		8-Feb-23		20,43%	20,00%	-0,43%
Irrigation System	88	6-Feb-23	5-May-23		8-Feb-23		15,91%	0,00%	-15,91%
Cherry Farm	59	6-Mar-23	4-May-23				0,00%	0,00%	0,00%
Head Units - Pump Room	28	6-Mar-23	3-Apr-23				0,00%	0,00%	0,00%
Irrigation Main Line	77	6-Feb-23	24-Apr-23		6-Feb-23		18,18%	0,00%	-18,18%
Excavation works for Mainline	24	6-Feb-23	2-Mar-23		6-Feb-23		58,33%	0,00%	-58,33%
Pipe Bedding Preparation	13	3-Mar-23	16-Mar-23				0,00%	0,00%	0,00%
Pipe Laying	13	14-Mar-23	27-Mar-23				0,00%	0,00%	0,00%
Warning Tape Installation	13	16-Apr-23	29-Apr-23				0,00%	0,00%	0,00%

Legend:
 Base Line – 
 Actual - 

Project Schedule (Irrigation)

Description of Works	Original Duration	Base Line		Actual Duration	Status Update		Planned %	Actual %	VAR
		BL Start	BL Finish		Actual Start	Actual Finish			
Pipe Bedding Preparation	33	1-Mar-23	3-Apr-23				0,00%	0,00%	0,00%
Pipe Laying	33	22-Feb-23	27-Mar-23				0,00%	0,00%	0,00%
Warning Tape Installation	33	25-Feb-23	30-Mar-23				0,00%	0,00%	0,00%
Pipe Pressure Test	17	20-Mar-23	6-Apr-23				0,00%	0,00%	0,00%
Bacfilling & Compaction	21	1-Mar-23	22-Mar-23				-42,86%	0,00%	42,86%
Irrigation Valves & RTU	17	10-Apr-23	27-Apr-23				0,00%	0,00%	0,00%
Drip Line and accessories	27	20-Apr-23	17-May-23				0,00%	0,00%	0,00%
Automation of Irrigation Valves	4	1-May-23	5-May-23				0,00%	0,00%	0,00%
Blueberry , Blackberry, Raspberry & Strawberry Farm	38	6-Feb-23	16-Mar-23		6-Feb-23		36,84%	0,00%	-36,84%
Head Units - Pump Room	26	6-Mar-23	1-Apr-23				0,00%	0,00%	0,00%
Irrigation Main Line	84	6-Feb-23	1-May-23		6-Feb-23		16,67%	0,00%	-16,67%
Excavation works for Mainline	24	6-Feb-23	2-Mar-23		6-Feb-23		58,33%	25,00%	-33,33%
Pipe Bedding Preparation	17	20-Feb-23	9-Mar-23		20-Feb-23		0,00%	0,00%	0,00%
Pipe Laying	18	9-Mar-23	27-Mar-23				0,00%	0,00%	0,00%
Warning Tape Installation	27	15-Mar-23	11-Apr-23				0,00%	0,00%	0,00%
Pipe Pressure Test	11	10-Apr-23	21-Apr-23				0,00%	0,00%	0,00%
Bacfilling & Compaction	17	14-Apr-23	1-May-23				0,00%	0,00%	0,00%
Irrigation Sub-Main Line	80	6-Feb-23	27-Apr-23		6-Feb-23		17,50%	35,00%	17,50%
Excavation works for Sub-Mainline	24	6-Feb-23	2-Mar-23		6-Feb-23		58,33%	35,00%	-23,33%
Pipe Bedding Preparation	13	2-Mar-23	15-Mar-23		6-Feb-23		0,00%	0,00%	0,00%
Pipe Laying	13	15-Mar-23	28-Mar-23		6-Feb-23		0,00%	0,00%	0,00%
Warning Tape Installation	23	28-Mar-23	20-Apr-23				0,00%	0,00%	0,00%
Pipe Pressure Test	8	20-Mar-23	28-Mar-23				0,00%	0,00%	0,00%
Bacfilling & Compaction	7	28-Mar-23	4-Apr-23				0,00%	0,00%	0,00%
Irrigation Valves & RTU	6	4-Apr-23	10-Apr-23				0,00%	0,00%	0,00%
Drip Line and accessories	11	10-Apr-23	21-Apr-23				0,00%	0,00%	0,00%
Automation of Irrigation Valves	6	21-Apr-23	27-Apr-23				0,00%	0,00%	0,00%
Testing & Commissioning	4	8-May-23	12-May-23				0,00%	0,00%	0,00%
Testing & Commissioning of Irrigation and Fertigation System	4	8-May-23	12-May-23				0,00%	0,00%	0,00%
Handover	6	12-May-23	18-May-23				0,00%	0,00%	0,00%
As-built	4	22-May-23	26-May-23				0,00%	0,00%	0,00%
Warranty Certificate	1	22-May-23	23-May-23				0,00%	0,00%	0,00%
Operation & Maintenance Manual	1	22-May-23	23-May-23				0,00%	0,00%	0,00%
T & C Report	1	22-May-23	23-May-23				0,00%	0,00%	0,00%
Defective Liability Period	366	23-May-23	23-May-24				0,00%	0,00%	0,00%
Maintenance Period	366	22-May-23	22-May-24				0,00%	0,00%	0,00%

Progress Photos





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Thank You