Volume of storage water = 110158.71 Cu. M.
Top of Water Level = 694.00m

Filling with Approved Homogenous Materials Compacted not less than %92

Natural Earth

Rock Layer (Sand Stone)

Crest of Weir (8M) width

Valve

HDPE Inlet drain pipe Ø (110)mm

min. 15m length

Top level of Crest = 697.00m

Free Board (2.5m - 3.0m)

1

2.5

1

3.5

1

0.5

Min. 3m

Riprap with Stone weights not less than (50kg)

Ordinary Concrete (210kg/cm²)

Bed level of Core = 682.00m

Bed level of Stream = 684.00m

Top level of Intake pipe = 687.50m

3.5m

Intake pipe see detail @

Detail @

Typical of Maximum Small Weir (Dam) Cross Section at Station (0+027.72)
Spillway Section A-A

Natural Earth Soil

Spillway Longitudinal Section

Natural stone (rock) its weight not less than 50kg, laid after cutting

Φ12mm@20cm c/c

Φ16mm

6 Φ16mm

0.75m

0.25m

7.5m

Spillway Section A-A

Natural Earth Soil

Natural stone (rock) its weight not less than 50kg, laid after cutting

Reinforced concrete key

Bed level = 694.00m

min. 12m

level = 695.00m

level = 695.00m

Location: Talawan village/ Sheikh Taweel sub district/ Kalar district/ Garmian administration/ Sulaimaniyah governorate

Project Name: Construction of small weir (dam) for Talawan, Groi Asp, Tim Tima and Imam Mohammed villages

Designed and Prepared by: Engineering department in REACH

Sheet NO.: 4 / 7

Sheet Title: Sections for Spillway

Scale: As shown
Sheet Title: Profile for center line of weir (dam)’s axis

Project Name: Construction of small weir (dam) for Talawan, Groi Asp, Tim Tima and Imam Mohammed villages

Location: Talawan village/ Sheikh Taweel sub district/ Kalar district/ Garmian administration/ Sulaimaniyah governorate

Sheet NO: 5 / 7

Sheet Title: Profile for center line of weir (dam)’s axis

Scale: As shown

Designed and Prepared by: Engineering department in REACH
Sheet Title: - Profile for center line of spillway

Designed and Prepared by: Engineering department in REACH

Location: - Talawan village/ Sheikh Taweel sub district/ Kalar district/ Garmian administration/ Sulaimaniyah governorate

Project Name: - Construction of small weir (dam) for Talawan, Groi Asp, Tim Tima and Imam Mohammed villages

Sheet No: - 6/7

Sheet Title: - Profile for center line of spillway

Scale: As shown