

Integrated Watershed Management Programme (IWMP) Dhalai - V,
Batch III, Dhalai Middle Upper Microwatershed

1. Reference Number : S6
2. Name of Work : Construction (Excavation) of new Pond under Watershed Development Work at Dhalai Middle Upper Micro Watershed.
3. Name of Beneficiary : Kanu Sharma, S/O - Lt. Rajkumar Sharma.
4. Location of Work : Shashi Paul Para, Paschim Lalchari G.P., Ambassa.
5. Financial Year : 2013 - 14 (3rd year).
6. Total Cost : 54082.53
7. Name of Implementing Officer : Er. Paichafru Mog, WDT, IWMP Dhalai - V, Batch-III project.
8. Name of Supervising Officer : Dr. Alak Chowdhury, SMS (Animal science), KVK, Dhalai & Core-WDT, DMU WC.
9. Name of Estimator : Er. Paichafru Mog, WDT, IWMP Dhalai - V, Batch-III project.
10. Duration of Work : 1 (one) month approximate.
11. Date of Estimate : 4/13/2014 12:00:00 AM

Input Dimensions for Plot Specification:				
Dimensions (Metre)		Plot Area		
Length	Width	Square Metre	Ganda(s)	Kani(s)
70	45	3150	39.38	1.97

Dimensions and Calculations for Farm Pond/Community Tank

Input Dimensions for Pit/Pond (Metre):						
Top of Pit/Pond			Bottom of Pit/Pond		Volume	Slope %
Length	Breadth	Depth	Length	Breadth		
61	36	1.5	58	33	3079.12	45

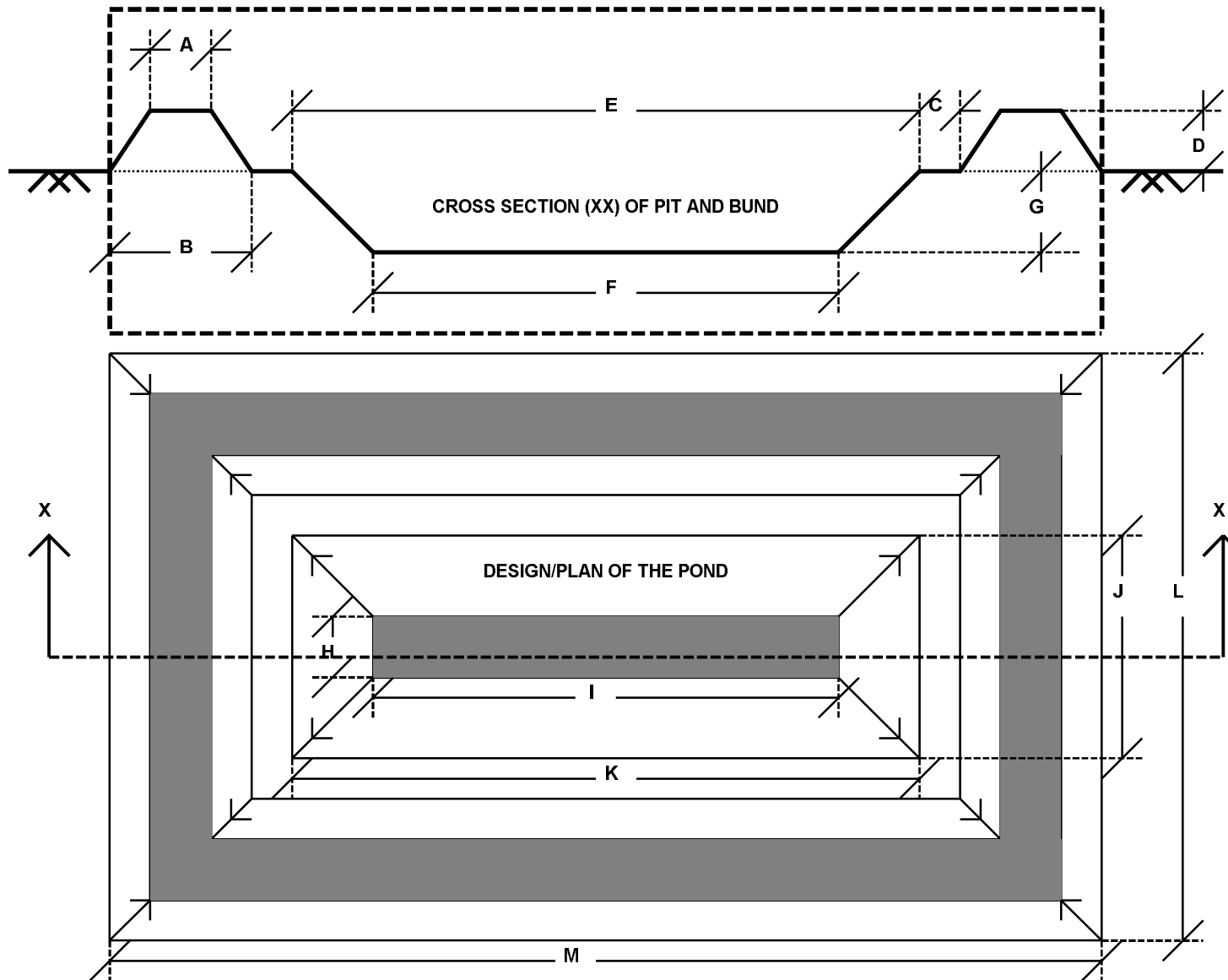
Input Dimensions for Bund (Metre):							
Berm	Bund			Bund (in total)			Slope %
	Height	Top Width	C/S Area	Length	Surface Area	Volume	
0.5	0.75	2.5	2.44	214	988.68	522.16	45

Input Dimensions for Side Drains (Metre):							
Top of Side Drain			Bottom of Side Drain	Side Drain (in total)			Slope %
Length	Breadth	Depth	Breadth	Length	C/S Area	Volume	
25	3	1	1	25	2	50	45

Input Dimensions for Turfing (Metre):		
Length	Total width of Patch	Surface Area
214	4.62	988.68

Input Dimensions for Clearing Jungles (Metre):		
Length	Width	Jungle Cutting Area
70	45	3150

Total volume of earth excavation work (Metre):				
Volume of Pond	Volume of Side Drain	Total	70 % Mechanical	30 % Mannual
3079.12	50	3129.12	2190.38	938.74



**All units are in
Metre**

Bund Parameters	
A :	2.5
B :	4
C :	0.5
D :	0.75

Pond Parameters	
E :	61
F :	36
G :	1.5

Top View Details	
H :	33
I :	58
J :	36
K :	61
L :	45
M :	70

Item	Desc	Unit	Rate	Quantity	Amount
1	Earth work in excavation over areas exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plain including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed, All kind of soil hard soil.	cum	1.50	100.00	150.00
2	Earth work in excavation over areas exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plain including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed, All kind of hard soil.	cum	73.32	100.00	7332.00
3	Earth work in excavation in foundation trenches or drains (not exceeding 1.5 mtr in width or 10 sqm on plain) including dressing of sides and ramming of bottoms lift up to 1.5 mtr including getting out the excavated soil and disposal of surplus soil as directed, with in a lead 50 mtrs. for hard soil. All kind of hard soil.	cum	73.32	100.00	7332.00
4	Turfing including dressing earth ramming pegging and watering collection and placement as per direction of the engineer incharge up to a lead of 50 mtrs.	sqm	13.00	100.00	1300.00
5	Earth work in excavation in foundation trenches or drains (not exceeding 2.5 mtr in width or 10 sqm on plain) including dressing of sides and ramming of bottoms lift up to 1.5 mtr including getting out the excavated soil and disposal of surplus soil as directed, with in a lead 50 mtrs. for hard soil. All kind of soft soil.	cum	72.00	100.00	7200.00
6	Earth work in excavation in foundation trenches or drains (not exceeding 2.5 mtr in width or 10 sqm on plain) including dressing of sides and ramming of bottoms lift up to 1.5 mtr including getting out the excavated soil and disposal of surplus soil as directed, with in a lead 50 mtrs. for hard soil. All kind soil.	cum	78.60	100.00	7860.00
7	Earth work in excavation over areas exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plain including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed, All kind of red soil.	cum	73.32	100.00	7332.00
8	Earth work in excavation over areas exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plain including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed, All kind of RED soil.	cum	73.32	100.00	7332.00

9	Earth work in excavation over areas exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plain including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed, All kind of soft soil.	cum	52.13	100.00	5213.00
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Prepared By:

Approved By:

Estimate cost = Rs. 51051.00

Display board = Rs. 1500.00

Contingency @ 3.00 % = Rs. 1531.53

Total estimate cost = Rs. 54082.53