

**GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH  
MINISTRY OF LAND  
GUCHCHHOGRAM 2ND PHASE (CLIMATE VICTIMS REHABILITATION  
PROJECT) PROJECT**

EARTH WORK SCHEME PROFORMA FOR ESTABLISHMENT OF NEW GUCHCHHOGRAM  
OR MAINTENANCE OF ESTABLISHED GUCHCHHOGRAM / ADARSHA GRAM UNDER FOOD-  
FOR-WORK PROGRAMME

FOR THE FY : 

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- \* Answers / data should be given complete and clearly on the Proforma. Three copies of the Proforma should be forwarded through the Deputy Commissioner to the GUCHCHHOGRAM 2ND PHASE (Climate Victims Rehabilitation Project) which will be easily readable.
- \* A sketch map showing individual project location within the Upazila / area will be included in the Proforma ( Item No. 6 ).
- \* A layout plan should be attached with this Proforma showing i. Each homestead plot ( earmark the position of house, kitchen, latrine etc. ), ii. Internal & connecting road, drainage system, iii. Location of pond(s), cannel, iv. Position of tubewells, v. Position of community center, vi. Graveyard and other common facilities land and vii. Agricultural land ( if applicable ).
- \* A certificate from appropriate authority of Bangladesh water Development Board that the proposed land will not be eroded by river should be attach with this Proforma.

1. PROJECT IDENTIFICATION CODE # : 

Dv.	Dist.	Upazila	AG #	AG Sl. #

a) Division : \_\_\_\_\_ b). District : \_\_\_\_\_

c) Upazila : \_\_\_\_\_ d) Donor : \_\_\_\_\_

e) Scheme Sl. No. : Upazila : \_\_\_\_\_ District : \_\_\_\_\_

f) Category of the Scheme : **Establishment of new GUCHCHHOGRAM  
2ND PHASE**   
**Maintenance of Guchchhogram/ Established  
Adarsha Gram**

2. SCHEME NAME ( STATE BRIEFLY ) :

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**3. SCHEME LOCATION AND PARTICULARS:**

**I. General Information :**

- a. Name of GUCHCHHOGRAM / Adarsha Gram : \_\_\_\_\_
- b. Name of Village : \_\_\_\_\_
- c. Name of Mouza : \_\_\_\_\_
- d. Name of Union : \_\_\_\_\_
- e. Plot Number(s) : \_\_\_\_\_
- f. J. L. No. \_\_\_\_\_
- g. Khatian No. : \_\_\_\_\_
- h. Total area of the Project : \_\_\_\_\_ Acre (s),
- i. **Number of families to be / already rehabilitated** : \_\_\_\_\_ **Nos.**
- j. Present Status of Land ( Encircle Yes / No where applicable ) :
- i. Vacant : Yes / No ii. Family already Staying : Yes / No  
If yes then number of family: ..... Nos.
- iii Staying Authorized / Unauthorized : \_\_\_\_\_ Families
- iv. Any Litigation: Yes / No v. Civil Suit : Yes / No.
- k. Nature of earthwork : Encircle " Y " where applicable

Homestead Plot Raising	Road / Embankment		Pond		Canal / Drain		Other (Specify)
	Const.	Re-const.	Excavat	Re-excavt.	Excavat.	Re- excavt	
Y	Y	Y	Y	Y	Y	Y	Y

- l. Will the scheme be executed exclusively by women ? Encircle where applicable

Yes	No
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- m. Is there any possibility of river erosion\*\* : Yes No

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(\*\* A certificate from appropriate authority of Bangladesh Water Development Board should be attached with this Proforma )

**II. Distance from the Proposed / Established GUCHCHHOGRAM(Climate Victims Rehabilitation Project)/ Adarsha Gram Project Area :**

- |                                     |                                                     |
|-------------------------------------|-----------------------------------------------------|
| a. Upazila Head Quarter _____ Km.   | b. Union Land Office _____ Km.                      |
| c. Nearest Growth Center _____ Km.  | d. Post Office _____ Km.                            |
| e. Nearest Primary School _____ Km. | f. Nearest Collage _____ Km.                        |
| g. Nearest High School _____ Km.    | h. Nearest Madrasha _____ Km.                       |
| i. Nearest Hat / Bazar _____ Km.    | j. Nearest Industry _____ Km.                       |
| k. Nearest Bank _____ Km.           | l. Nearest Upazila / Union Health Complex _____ Km. |
| M. Nearest River _____ Km.          |                                                     |

**III. Communication System from Upazila Head Quarter :**

- |                            |             |        |           |
|----------------------------|-------------|--------|-----------|
| a. By Bus                  | : _____ Km. | Fare : | Tk. _____ |
| b. By Rickshaw             | : _____ Km. | Fare : | Tk. _____ |
| c. By Launch / Engine Boat | : _____ Km. | Fare : | Tk. _____ |
| d. By Boat                 | : _____ Km. | Fare : | Tk. _____ |
| e. Other(s)                | : _____ Km. | Fare : | Tk. _____ |

**IV. Proposed Land Utilization Plan :**

- |                           |               |                              |               |
|---------------------------|---------------|------------------------------|---------------|
| a. Homestead Area         | : _____ Acres | b. Pond Area Kept / Existing | : _____ Acres |
| c. Multipurpose Hall      | : _____ Acres | d. Primary / High School     | : _____ Acres |
| e. Prayer Place           | : _____ Acres | f. Graveyard                 | : _____ Acres |
| g. Field                  | : _____ Acres | h. Cremation Ground          | : _____ Acres |
| i. Demonstration Plot     | : _____ Acres | j. Miscellaneous             | : _____ Acres |
| k. Agricultural ( Total ) | : _____ Acres | l. Others ( Reserve Land )   | : _____ Acres |

<b>Total</b>	<b>:</b>	<b>Acres</b>
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**4. COMPONENT OF THE SCHEME:**

- a. Raising of plinth area of houses : \_\_\_\_\_ Nos.
- b. Raising of homestead plot : \_\_\_\_\_ Nos.
- c. Approach road construction / re-construction : \_\_\_\_\_ Nos.
- d. Excavation /re-excavation of ponds / tanks : \_\_\_\_\_ Nos.
- e. Excavation / re-excavation of canals / drains : \_\_\_\_\_ Nos.
- f. Others ( Please specify ) : \_\_\_\_\_ Nos.
- g. Total mandays required for completion of the scheme: \_\_\_\_\_ Mandays
  - i. Man : \_\_\_\_\_ Mandays
  - ii. Women : \_\_\_\_\_ Mandays

**5. SCHEME REQUIREMENT:**

Summary of the Basic earthwork (as per Annex - 1A, 1B, 1C and 1D) :

- a. Raising of plinth area of houses : \_\_\_\_\_ CUM. \_\_\_\_\_ Mandays
  - b. Raising of homestead plot : \_\_\_\_\_ CUM. \_\_\_\_\_ Mandays
  - c. Approach road construction/re-constrn.: \_\_\_\_\_ CUM. \_\_\_\_\_ Mandays
  - d. Excavation /re-excavn.of ponds/tanks : \_\_\_\_\_ CUM \_\_\_\_\_ Mandays
  - e. Excavation /re-excavn. Of Canals / Drains: \_\_\_\_\_ CUM \_\_\_\_\_ Mandays
  - f. Others \_\_\_\_\_ : \_\_\_\_\_ CUM. \_\_\_\_\_ Mandays
- Total Volume of Earth Work : \_\_\_\_\_ CUM. Total : \_\_\_\_\_ Mandays  
 ( a + b + c + d + e + f )



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6. **PROJECT LOCATION :**

Sketch approximate location and direction of project in relation to Upazila Headquarter. Please include all major rivers, canals and roads with names. Mark the proposed scheme area clearly by red ink. Also locate by name all surrounding villages, etc. and indicate the existing and proposed dimensions of the area / plot to be raised and show all the features ( Position of houses, Kitchens, Latrines, Community Centre etc. ) that will be done under GUCHCHHOGRAM 2ND PHASE (Climate Victims Rehabilitation Project). Please also show the Project Location on Thana Map and attach with this Proforma.

\_\_\_\_\_  
Signature of designated Officer  
with official seal.

Name : \_\_\_\_\_

Designation : \_\_\_\_\_

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## 7. Requirement of Rice :

On the basis of the above and the prescribed wage rate please show the rice requirement in the following Column / Items :

Component	Name of the Item											Total
	Basic Earth Work (MT)	Lead (MT)	Lift (MT)	Hard slushy or sandy soil (MT)	Bailing out of water (MT)	Comp action (MT)	Leveling & dressing (MT)	Turfing (MT)	Sarder (MT)	Supervisor (MT)		
1	2	3	4	5	6	7	8	9	10	11	12	
Raising of Plinth Area												
Raising of homestead plot												
Construction / Re-construction of Road												
Excavation / re-excavn. of Ponds / Tanks												
Excavation / Re-excavation of Canals / Drains												
Others												
Grand Total												

Conversation Rate : 1000 Kg = 1.00 MT

- I. Total Rice required : \_\_\_\_\_ MT.
- II. Name of the nearest LSD / CSD : \_\_\_\_\_ Km.
- II. LSD / CSD Distance from the Project Site : \_\_\_\_\_ Km.
- II. Cash Fund required to transport the rice to Site: \_\_\_\_\_ Tk. \_\_\_\_\_ ( @ Tk. \_\_\_\_\_ per MT. )

8.1 **LAND CERTIFICATE REGARDING OWNERSHIP OF LAND :**

a. Comments of the Assistant Commissioner ( Land ) regarding the present status / position of the proposed Land

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b. Land ownership Certificate from appropriate authority is attached to this proforma

Yes	No
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If not, please explain :

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8.2 **SCHEME APPROVAL :**

a. Officer responsible for pre-work survey :

Signature of designated Officer  
with official seal.

Name : \_\_\_\_\_

Designation : \_\_\_\_\_ Date : \_\_\_\_\_

b. Whether the scheme proposal is examined by the PIO or any other Technical Personnel of the District Administration

Yes	No
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If yes, by whom :

Signature of designated Officer  
with official seal.

Name : \_\_\_\_\_

Designation : \_\_\_\_\_ Date : \_\_\_\_\_

c. Comments of the Assistant Commissioner ( Land ) :

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Signature of Assistant Commissioner ( Land )  
with official seal.

Name : \_\_\_\_\_ Date : \_\_\_\_\_

d. Comments of the Upazila Nirbahi Officer ( UNO ) :

The proposed scheme has been reviewed and forwarded for approval

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Signature of Upazila Nirbahi Officer ( UNO )  
with official seal.

Name : \_\_\_\_\_

Date : \_\_\_\_\_

e. Comments of the Additional Deputy Commissioner ( Revenue ):

The proposed scheme may be taken up. Recommended for approval

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Signature of Addl. Deputy Commissioner ( Rev. )  
with official seal.

Name : \_\_\_\_\_

Date : \_\_\_\_\_

f. Counter signed by the Deputy Commissioner with comments :

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Signature of Deputy Commissioner  
with official seal.

Name : \_\_\_\_\_

Date : \_\_\_\_\_

g. Recommendation and approval of PMU, GUCHCHHOGRAM 2ND PHASE (CVRP) :

The proposed scheme proposal is APPROVED / REJECTED

Comments of the National Project Director ( if any )

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Signature of the National Project Director,  
with Official Seal

**GUCHCHHOGRAM- 2ND PHASE(CVRP) PROJECT**  
**Ministry of Land**

**RICE CALCULATION TABLE**

(\*\* Separate table should be used for each component \*\* )

**A. RAISING OF PLINTH AREA AND HOMESTEAD PLOT :**

	ITEM	QUANTITY	RATE	Rice ( KG )
1.	Basic earth work	CUM	2.489 KG / CUM	
2.	Additional lead	CUM	0.498 KG / CUM	
3.	Additional lift	CUM	0.373 KG / CUM	
4.	Hard slushy or sandy soil maximum 50% of basic E / W	CUM	0.249 KG / CUM	
5.	Bailing out of water maximum 30% of basic Earth Work	CUM	1.245 KG / CUM	
6.	Leveling, and dressing	SQM	0.436 KG / SQM	
7.	Turfing	SQM	0.622 KG / SQM	
8.	Manual Compaction (applicable for special circumstances)	CUM	0.809 KG / CUM	
9.	Sardari (1% of sl 1 to 8)			
10.	Supervisor (1% of sl 1 to 8)			
	TOTAL (1,000 KG = 1.0 MT)			KG.
				MT.

**Please draw a layout plan of one individual Homestead Plot showing the position of the house, kitchen, latrine etc. With dimensions**




**GUCHCHHOGRAM-2<sup>nd</sup> PHASE (CVRP) PROJECT**  
**Ministry of Land**

**RICE CALCULATION TABLE**

(\*\* Separate table should be used for each component \*\*)

**B. CONSTRUCTION OR RE-CONSTRUCTION OF ROAD :**

	ITEM	QUANTITY	RATE	Rice ( KG )
1.	Basic earth work	CUM	2.489 KG / CUM	
2.	Additional lead	CUM	0.498 KG / CUM	
3.	Additional lift	CUM	0.373 KG / CUM	
4.	Hard slushy or sandy soil maximum 50% of basic E / W	CUM	0.249 KG / CUM	
5.	Bailing out of water maximum 30% of basic Earth Work	CUM	1.245 KG / CUM	
6.	Leveling, and dressing	SQM	0.436 KG / SQM	
7.	Turfing	SQM	0.622 KG / SQM	
8.	Manual Compaction (applicable for special circumstances)	CUM	0.809 KG / CUM	
9.	Sardari (1% of sl 1 to 8)			
10.	Supervisor (1% of sl 1 to 8)			
	TOTAL (1,000 KG = 1.0 MT)			KG.
				MT.

**C. EXCAVATION OR RE-EXCAVATION OF POND :**

	ITEM	QUANTITY	RATE	Rice ( KG )
1.	Basic earth work	CUM	3.112 KG / CUM	
2.	Additional lead	CUM	0.622 KG / CUM	
3.	Additional lift	CUM	0.498 KG / CUM	
4.	Hard slushy or sandy soil maximum 50% of basic E / W	CUM	0.249 KG / CUM	
5.	Bailing out of water maximum 30% of basic Earth Work	CUM	1.245 KG / CUM	
6.	Leveling, and dressing	SQM	0.436 KG / SQM	
7.	Turfing	SQM	0.622 KG / SQM	

8.	Manual Compaction (applicable for special circumstances)	CUM	0.809 KG / CUM	
9.	Sardari (1% of sl 1 to 8)			
10.	Supervisor(1% of sl 1 to 8)			
TOTAL (1,000 KG = 1.0 MT)				KG.
				MT.

**D. OTHERS ( specify ):**

	ITEM	QUANTITY	RATE	Rice ( KG )
1.	Basic earth work	CUM	2.489 KG / CUM	
2.	Additional lead	CUM	0.498 KG / CUM	
3.	Additional lift	CUM	0.373 KG / CUM	
4.	Hard slushy or sandy soil maximum 50% of basic E / W	CUM	0.249 KG / CUM	
5.	Bailing out of water maximum 30% of basic Earth Work	CUM	1.245 KG / CUM	
6.	Leveling, and dressing	SQM	0.436 KG / SQM	
7.	Turfing	SQM	0.622 KG / SQM	
8.	Manual Compaction (applicable for special circumstances)	CUM	0.809 KG / CUM	
9.	Sardari (1% of sl 1 to 8)			
10.	Supervisor(1% of sl 1 to 8)			
TOTAL (1,000 KG = 1.0 MT)				KG.
				MT.

**GUCHCHHOGRAM-2<sup>nd</sup> PHASE (CVRP) PROJECT**  
**Ministry of Land**

**DESCRIPTION OF ALLIED ITEMS FOR ALL COMPONENTS**

**a) Lead Calculation :**

Total Horizontal Distance =  $0.5 \times (ab+cd) + bc$

$0.50 \times (ab + cd)$

Component	Section	Volume of earth (CUM)		Width of the bottom of the place where E/W is to be done ab (meter)	Width of the top of the place from where E/W is to excavated cd (meter)	Horizontal distance bc (meter)	Horizontal lead distance (m)	No (s) of lead
		Design	Pre-work					
Plinth Area and Homestead Plot Raising								
Plinth Area and Homestead Plot Raising								
Road cons./ re-const.								
Road cons./ re-const.								
Pond Exca./ Re-pond								
Pond Exca./ Re-pond								
Other (s)								

# GUCHCHHOGRAM- 2ND PHASE(CVRP) PROJECT

## Ministry of Land

**b) Lift Calculation :**

Total vertical lift Distance =  $[(H1 - H2) + (D1 - D2)] \times 0.5 + (H2 + D2)$



Component	Section	Volume of earth (CUM)			Place where Earth Raising is to be done		Place from where earth is to be excavate		Vertical distance (meter)	Number of Lift
		Design	Pre-work	Actual / Net	Design height H1 (m)	Pre height H2 (m)	Post height D1 (m)	Pre height D2 (m)		
Plinth Area and Homestead Plot Raising	From - to									
Plinth Area and Homestead Plot Raising										
Road cons./ re-const.										
Road cons./ re-const.										
Pond Exca./ Re-pond										
Pond Exca./ Re-pond										
Canal Exca./ Re-canal										
Other (s)										

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## GUCHCHHOGRAM- 2ND PHASE(CVRP) PROJECT

### Ministry of Land

#### (c) Leveling and Dressing Calculation :

Component	Section (From-to )	Actual length (m)	Width (m)	Area (SQM)	Remarks
Plinth Area and Homestead Plot Raising					
Plinth Area and Homestead Plot Raising					
Road cons./ re-const.					
Road cons./ re-const.					
Pond Exca./ Re-pond					
Pond Exca./ Re-pond					
Canal Exca./ Re-canal					
Other (s)					
TOTAL AREA					SQM.

#### (d) Turfing Calculation :

Component	Section (From-to )	Actual length (m)	Width (m)	Area (SQM)	Remarks
Plinth Area and Homestead Plot Raising					
Plinth Area and Homestead Plot Raising					
Road cons./ re-const.					
Road cons./ re-const.					
Pond Exca./ Re-pond					
Pond Exca./ Re-pond					
Canal Exca./ Re-canal					
Other (s)					
TOTAL AREA					SQM.

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**GUCHCHHOGRAM- 2ND PHASE(CVRP) PROJECT**  
**Ministry of Land**  
**QUANTITY OF ALLIED ITEMS FOR**  
**HOMESTEAD PLOT / POND / ROAD / CANAL ETC. :**

Item		Component (Homestead / Pond / Road etc.)
<b>Additional Lead</b>	1 No.:	CUM
	2 Nos.	CUM
	3 Nos.	CUM
	No(s).	CUM
	No(s).	CUM
	No(s).	CUM
<b>Additional Lift</b>	1 No.:	CUM
	2 Nos.	CUM
	3 Nos.	CUM
	Nos.	CUM
	Nos.	CUM
	Nos.	CUM
<b>Hard slushy/ sandy soil</b>		CUM
		CUM
		CUM
<b>Bailing out of water</b>		CUM
		CUM
		CUM
		CUM
<b>Cross Bundh</b>		CUM
<b>Leveling and Dressing</b>		SQM
		SQM
		SQM
<b>Turfing</b>		SQM
		SQM
		SQM

Annex-1A**GUCHCHHOGRAM- 2ND PHASE(CVRP) PROJECT**  
**Ministry of Land****HOMESTEAD PLOT RAISING**  
**Pre - work Calculation Format**

Show the Pre-work design : specify length, breadth and height in each Plot / Area :

Bench Mark or Reference point is considered at \_\_\_\_\_ which is \_\_\_\_\_ Meter far-off from the proposed land.

Elevation / Reduced Level of Bench Mark or reference point is \_\_\_\_\_ Meter (s)

Average height of the 1988 or 1998 Flood Level \_\_\_\_\_ Meter(s)

SECTION NUMBER	AVERAGE LENGTH (Meter)	AVERAGE BREADTH (Meter)	ELEVATION / REDUCED LEVEL (RELATIVE TO A FIXED REFERENCE / BENCH MARK ) (Meter)	VOLUME (CUM)
SECT. NO.1				
SECT. NO.2				
SECT. NO.3				
SECT. NO.4				
SECT. NO.5				
SECT. NO.6				
SECT. NO.7				
SECT. NO.8				
SECT. NO.9				
SECT. NO.10				
<b>TOTAL PRE-WORK VOLUME</b>				<b>CUM</b>

( Please attach calculation and design drawing(s) showing the location, dimensions, bench mark and relative levels of the corners of each plot / area following relative height method as outlined in Art. 4.1 of the PLANNING AND IMPLEMENTATION GUIDE LINES FOR EARTH WORK COMPONENT OF GUCHCHHOGRAM (CVRP ) UNDER FFW

# GUCHCHHOGRAM- 2ND PHASE(CVRP) PROJECT

## Ministry of Land

### HOMESTEAD PLOT & PLINTH AREA RAISING

#### Post - work Calculation Format

Show the Pre-work design : specify length, breadth and height in each Plot / Area :

Bench Mark or Reference point is considered at \_\_\_\_\_ which is \_\_\_\_\_ meter far-off from the proposed land.

Elevation / Reduced Level of bench mark or reference point is \_\_\_\_\_ meter (s)

Average height of the 1988 or 1998 Flood Level \_\_\_\_\_ meter(s)

SECTION NUMBER	AVERAGE LENGTH (Meter)	AVERAGE BREDTH (Meter)	ELEVATION / REDUCED LEVEL (RELATIVE TO A FIXED REFERENCE / BENCH MARK ) (Meter)	VOLUME (CUM)
SECT. NO.1				
SECT. NO.2				
SECT. NO.3				
SECT. NO.4				
SECT. NO.5				
SECT. NO.6				
SECT. NO.7				
SECT. NO.8				
SECT. NO.9				
SECT. NO. 10				
<b>Plinth Area Raising : No. of Family      x 6.75 x 5.80 x 0.61*</b>				
TOTAL DESIGN VOLUME				
DEDUCT PRE-WORK VOLUME				
NET BASIC EARTH WORK TO BE DONE				(CUM)

\* All measurements are in Meter.

**Annex - 1B**

**GUCHCHHOGRAM- 2ND PHASE(CVRP) PROJECT  
Ministry of Land**

**POND / TANK EXCAVATION / RE-EXCAVATION**

**Pre - work Calculation Format**

In the measurement sheet below, note the pre-work survey data collected by SOUNDING METHOD. Measurement by the TOP BOTTOM HEIGHT will not be accepted. Pre-work survey cross sections are to be taken at 6m intervals for tanks and 15m intervals for canals. The Depth / height should be measured at 1.5 m intervals along the cross section of tank/canal. The first and last cross section of tank should be measured at 1.5 (for canal 10m) ahead and back respectively.

**Bench Mark or Reference point is considered at \_\_\_\_\_**

Elevation /reduced level or bench mark or reference point is \_\_\_\_\_ meter (s)

Average height of the 1998 Flood Level \_\_\_\_\_ meter(s)

CHAINAGE :								REFERENCE/ REMARKS / FILLINGS
DISTANCE								
DEPTH / HEIGHT								

CHAINAGE :								REFERENCE /REMARKS / FILLINGS
DISTANCE								
DEPTH / HEIGHT								

CHAINAGE :								REFERENCE/REMARK FILLINGS
DISTANCE								
DEPTH / HEIGHT								

CHAINAGE :								REFERENCE/REMARKS FILLINGS
DISTANCE								
DEPTH / HEIGHT								

CHAINAGE :								REFERENCE/REMARKS FILLINGS
DISTANCE								
DEPTH / HEIGHT								

PAGE TOTAL EXTRA CUTTING							CUM
GRAND TOTAL EXTRA CUTTING							CUM

Note : Use additional formats if necessary

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47 (18)



# GUCHCHHOGRAM- 2ND PHASE(CVRP) PROJECT

## Ministry of Land

### POND / TANK EXCAVATION / RE-EXCAVATION

Show the required post work design and calculate : (Draw the plan, cross section and long section of the proposed design . Add separate sheet for each pond/tank.)

Design volume	:		CUM
Add extra cutting etc.	:		CUM
Total volume	:		CUM
Deduct pre-work volume	:		CUM
<b>Net basic earthwork to be done:</b>			<b>CUM</b>

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40 (20)

**Annex - 1C**

**GUCHCHHOGRAM- 2ND PHASE(CVRP) PROJECT  
Ministry of Land**

**ROAD OR EMBANKMENT OR CROSS BUNDH CONSTRUCTION / RE-CONSTRUCTION**

**Pre - work Calculation**

Bench Mark or Reference point is considered at \_\_\_\_\_  
 Elevation/reduced level of bench mark or reference point is \_\_\_\_\_ meter(s)  
 Average height of the 1988 or 1998 Flood Level \_\_\_\_\_ meter(s)

In the spaces below note the data collected during pre survey of schemes. Pre-survey cross sections are to taken @ 150m intervals. Be careful to give accurate length of scheme and as many permanent reference points as possible. All rivers, canals, ditches or road crossing the alignment must be clearly marked & measured. Existing structures should also be noted.

CHAIN-AGE  (RM)	TO P  (M)	BOTT-OM  (M)	HEIGHT  (M)		AVER-AGE HEIGHT  (M)	AREA OF STAT-ION (SQM)	AVERA-GE AREA OF STATION (SQM)	VOLUM E  (CUM)	REFERENCE POINT / REMARKS (Please note where no work is needed & ditch filling is necessary )
			LEFT	RIGH T					
a	b	c	d	e	$f=(d+e)/2$	$g=(b+e)/2xf$	h	$i=hxa$	

<b>A.</b>	<b>PAGE TOTAL PRE-WORK VOLUME</b>	<b>CUM</b>
	<b>Page total extra filling volume</b>	<b>CUM</b>
<b>B.</b>	<b>PREVIOUS PAGE TOTAL PRE-WORK VOLUME</b>	<b>CUM</b>
	<b>Previous page total extra filling volume</b>	<b>CUM</b>
<b>C.</b>	<b>TOTAL PRE-WORK VOLUME</b>	<b>CUM</b>
	<b>Total extra filling volume</b>	<b>CUM</b>

Note : Use additional formats if necessary

