

Implementation Guidelines

CREATION OF WATER RESOURCES

Construction of Farm ponds for individual farmers

Introduction:

Farm ponds are the man made tanks constructed for storage of water in the farmers' field during rainy season from canals, bore wells, rainfall etc., and to provide life saving irrigation to the crops or orchards during peak / critical stages of summer to save the plants from drying up.

These are constructed by excavating the soil and depositing the earth on the banks to form bund. The HDPE geo-membrane sheet/RCC lining is laid in the excavated pond to arrest seepage and infiltration losses.

Subsidy pattern:

- As per the MIDH norms of GOI, the size of the farm pond should be **20mx20mx3m with the volume of 1200 cu.mt.**
- The total cost of the unit is Rs.1.50 Lakhs.
- **The financial assistance is 50% i.e Rs 75,000/- for 1200 cu.mt @ 62.50/- per cu.m on the total cost including 300 micron plastic / RCC lining.**
- Cost for non-lined ponds (only black cotton soils) will be 30% less.
- For smaller size of ponds, cost will be admissible on pro rata basis depending upon the command areas/volume of the Farm pond.

Procedure

- 1 Farmers are to be sensitized and Motivated by HOs/ADHs to understand the concept of farm ponds to provide lifesaving irrigation to the orchards/ crops during peak periods of summer to save the gardens.
- 2 Beneficiaries are to be identified in Gramasabhas and list has to be approved in Gramasabha.

- 3 The Horticulture officer and MI Engineer of APMIP have to conduct the preliminary inspection of site identified by the farmer and collect the following details for assessing the feasibility.
 - Name of the farmer
 - Father/ Husband's name
 - Caste/ category of farmer i.e. SF/MF & SC/ST.
 - Name of the Horticulture crop grown and its extent in Ha.
 - Nature of irrigation source: whether the Bore well is functional Yes/No.
 - Energization was done Yes/No.
 - Nature of soil condition suitable for excavation of farm ponds and feasibility of the site for taking up of farm ponds.
- 4 At the time of inspection of the site, the geocoordinate of the location and a digital photo may be taken along with the farmer and HO & MI Engineer at the site proposed for farm pond (Before excavation). This together with the techno feasibility report duly certified by HO & MI Engineer and application of farmer should be submitted to ADHs.
- 5 The ADH should strictly follow the SC/ST allocation while implementation of the programme.
- 6 After receipt of the application along with techno feasibility report, the same will be placed before "**District Mission committee**" for approval.
- 7 Based on the DMC approval, the administrative sanction will be issued to the farmers, for taking up the farm pond as per the guidelines, and time limit for completion of farm pond may be indicated as "**60 days**" from the date of issue of administrative sanction.
- 8 The farmers have to take up excavation work, bunding and covering of plastic sheet as per specification (300 microns)/ RCC lining. Lining material should confirm with BIS standards. The farmer has to provide fencing to farm pond at his own cost.
- 9 Chain linked mesh for fencing preferred rather than barbed wire fencing.
- 10 The farmer should strictly follow the specifications of farm ponds as given in the administration sanctions. The farmer is also allowed to use 500 microns

Geomembrane sheet with 200 GSM in place of 300 microns plastic sheet. However the farmer has to meet additional expenditure over and above the unit cost fixed by GOI.

- 11 The existing RCC lined farm ponds and old incomplete farm ponds are not eligible for subsidy.
- 12 The HO/ADH will assist the farmer technically on quality of plastic sheet proposed for lining etc. and also inspect the farm pond from time to time and give necessary technical advice.
- 13 After completion of the farm ponds, the farmer has to submit completion report of farm pond along with specification to HO and ADH of their district.
- 14 The MI Engineer will take the check measurements of farm pond and record it in the M Book and if the farm pond is completed as per specification, then photograph will be taken with farmer & joint inspection team with farm ponds.
- 15 The size of the farm pond should be 20m length X 20m width X 3m depth. The length 20m indicates the average of the Top and Bottom lengths of the farm pond. Width is also calculated in a similar manner and the total volume of the farm pond should be 1200 cu.m. The eligible subsidy should be calculated basing on the actual volume @ Rs 62.50/-/cu.m of the pond**
- 16 For smaller size of ponds, cost will be admissible on pro rata basis depending upon the command areas / Volume of the farm pond.
- 17 Payment will be made to the beneficiary **in 2 installments**. 50% of the eligible subsidy will be released as 1st installment after completion of excavation and bund formation. The ADH should send proposal to COH for release of assistance in **format I. (enclosed)** along with bond executed by farmer with ADH.
- 18 Final payment of 50% of eligible subsidy will be released after completion of farm pond including erection of fencing and sign board after inspection by the Joint committee. (enclosed)
- 19 The installments will be released to the farmers subject to condition that the farmer has to enter an agreement on stamped paper worth of Rs. 100/-

- stating that the farm ponds will be completed as per the norms & guidelines of MIDH, within the specific time. In case if the farm pond is not completed as per norms and stopped in the middle after receipt of installment I. The farmer should be liable for return of the amount to the Department of Horticulture, to the extent of subsidy received by him along with panel interest.
- 20 The Joint committee comprising of **Farmer/MI Engineer or HO/ADH/ DDH (or) PD APMIP** should finally inspect the farm pond and take digital photographs.
 - 21 The Joint inspection report should be submitted in **format II** to the Commissioner of Horticulture for release of final installment of eligible subsidy.
 - 22 ADHs/Hos shall ensure that the beneficiary will take up maintenance of the farm pond.
 - 23 The outer slopes of the farmpond bunds are to be utilized for taking up seasonal crops which will not only strengthen/ Control the soil erosion of the bund and also remunerative for income generation to the farmers. The ADHs/HOs are requested to motivate the farmers to take up the crops on the outer slopes of the farmponds.
 - 24 Fencing should be completed simultaneously.
 - 25 Farm ponds should be linked with drip irrigation.
 - 26 A display board (Iron) of Size 2x4 ft depicting the following details in Telugu version has to be erected.

Department of Horticulture
Government of Andhra Pradesh and MIDH GOI

Name of the farmer:

Father / Husband:

Village :

Size of farm pond :

Capacity of farm pond:

Command area:

Total expenditure:

Subsidy amount(Rs):

Non- subsidy amount:

year of sanction:

27 If the farm pond is completed in all aspects as per the specification then the ADH will upload the final photos through HORTNET and eligible subsidy will be paid to farmer account by online directly.

28 The ADH is responsible for proper implementation of this programme, strictly as per the norms/guidelines of GOI without any deviation.

FORMAT – I (Individual Farm Pond)
Joint inspection report for release of 1st Instalment

S. No	Particulars	Specifications	Observations	Eligible subsidy	Total Cost incurred (Rs)	Ist instalment Eligible Subsidy (Rs)	Name of the Bank & Branch	Bank A/c No and IFS Code	Remarks
1	2	3	4	5	6	7	8	9	10
1	Pond Excavation	Measurements : Top:L1XB1 mts: Bottom:L2XB2 mts, depth							
2	Capacity in Cu Mts	$\frac{(L1 + L2)}{2} \times \frac{(B1 + B2)}{2} \times \text{depth}$							
3	Bund formation								
	Grand Total								

Certificates:

- 1) This is to certify that the land is suitable for the construction of farm ponds.
- 2) This is to certify that Sri/Smt _____ S/o _____ was issued DMC administrative approval
- 3) This is to certify that Sri/Smt _____ S/o _____ has constructed Farm pond as per the specifications of MIDH.
- 4) This is to certify that all the original bills of the expenditure incurred towards the items mentioned above have been verified by the team and found correct.
- 5) This is to certify that Sri/Smt _____ S/o _____ was not sanctioned subsidy under Farmpond earlier.
- 6) The farmer is eligible for release of the subsidy amount of Rs. _____ (Rupees _____) as 1st instalment. Rs. _____ may be released as 1st instalment.

Farmer

MI Engineer

Horticulture Officer

ADH

DDH/PD APMIP

FORMAT –II (Individual Farm Pond)

Joint inspection report for release of 2nd & final instalment

S. No	Particulars	Specifications	Observations	Total Cost (Rs)	Eligible cost (Rs)	Eligible Subsidy (Rs)	Subsidy released	Proposed to be released	Bank details	Remarks
1	2	3	4	5	6	7	8	9		10
1	Pond Excavation	Measurements : Top:L1XB1 mts: Bottom:L2XB2 mts, depth								
2	Capacity in Cu Mts	$\frac{(L_1 + L_2)}{2} \times \frac{(B_1 + B_2)}{2} \times \text{depth}$								
3	Cost of Sheet	Geomembrane/HD PE sheet of 500 microns								
4	Smoothing of surfaces									
5	Sheet fixing charges									
6	Sub Total									
7	Fencing	Cost of link mesh								
		No.of granite poles								
		Labour Charges								
	Sub Total									
	Grand Total									

Certificates:

- 1) This is to certify that Sri/Smt _____ S/o _____ has constructed farm pond as per specifications of MIDH.
- 2) This is to certify that all the original purchase bills of the items mentioned above have been verified by the team and found correct.
- 3) This is to certify that Sri/Smt _____ S/o _____ was not sanctioned subsidy under Farmpond earlier.
- 4) This is to certify that an amount of Rs. _____ (Rupees _____) is released as 1st instalment.
- 5) The farmer is eligible for subsidy of Rs. _____ (Rupees _____) as per the specifications of farm pond and an amount of Rs _____ (Rupees _____) may be released after deducting amount released as 1st instalment.
- 6) The subsidy amount of Rs. _____ (Rupees _____) may be released.

Farmer

MI Engineer

Horticulture
Officer

Assistant Director of
Horticulture

DDH/PD APMIP

APPLICATION FORM FOR COMMUNITY FARM FONDS/ INDIVIDUAL FARM POND.

(Separate application has to be collected along with photograph for all the farmers involved in community farm ponds)

1. Name of the Farmer in Full :
2. Father (or) Husband name :
3. Village :
4. Mandal :
5. Survey No. :
6. (A).Category of SC /ST / BC :
- (B). Category of SF / MF/OF :
7. Total extent of land holding Ha :
Details from web land records
8. Adhar card No. :
(Enclose & Xerox copy of Adharcard)
9. Name of the existing crop Ha :
No. of plants per Ha (Including of Horticulture plantations)
- 10.No. of Bore / Bores : Functioning Yes / No
11. Energisation done to motor : Yes / No
- 12.Electrification facilities existing : Yes / No
- 13.Bank details:
 1. Farmer SB A/C No :
 2. Name of the bank & Branch :
 3. I.F.S.C. code :
- 14.Nature of soil condition :
Suitable for soil excavation.
(i.e. Black soil/ sandy loan / Red soils/ other)
- 15.Drip facilities available : Yes / No
- 16.Mobile No:



Certified that the information furnished by me is true and correct to the best of my knowledge. I/ we agree to take up farm pond (community / individual) as per the specifications and guidelines of MIDH, for release of eligible subsidy.

Signature of Farmer.

Certification of the inspected authority HO & MI Engineers

1. Certified that the preliminary inspection has been conducted, for the proposed community irrigation tank. Contacted the group of farmers (), and found that the soil is suitable for taking up community farm pond with size _____, can irrigate _____Ha, and recommended for taking up community farm pond as per MIDH guidelines & specifications. The Digital photo graph of the site before taking up community farm pond is enclosed.

Signature of Ho

Date:

Signature of MI Engineer

Date:

Approval of ADH