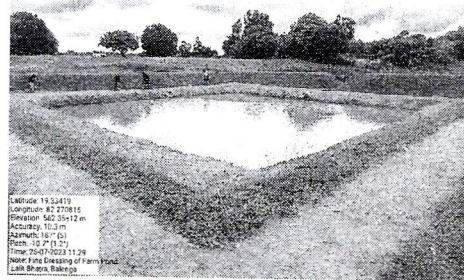
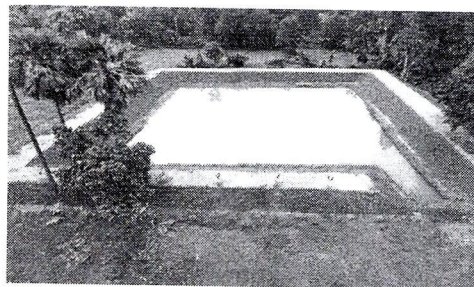
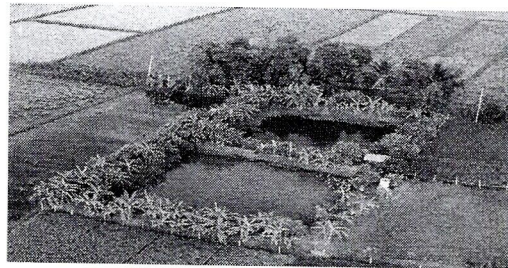




Operational Guidelines
of the State Sector Scheme
"Jaladhara"
For Construction of Farm Pond
by
Mechanical means.



**DIRECTORATE OF SOIL CONSERVATION
AND
WATERSHED DEVELOPMENT**

.....

**DEPARTMENT OF AGRICULTURE & FARMERS'
EMPOWERMENT, ODISHA**

Jaladhara

1. Introduction:

Odisha is bestowed with an average annual rainfall of 1400 mm. Though, such amount of water is sufficient for cultivation practices during the Kharif, it is erratic and not evenly distributed for which the kharif crops suffers from drought and flood. Water scarcity during four critical stages of crop growth hampers its production and hence farmers income greatly affected. To supplement the water shortage during those critical junctures, farm pond scheme is conceptualised, particularly to provide lifesaving irrigation during Kharif and popularisation of Integrated Farming System.

Farm Pond, being Climate Resilient Structure, has now become a footing for adopting sustainable Agriculture through Integrated Farming Systems (IFS) for multiplying farmer's income and helping to counter frequent extreme weather events.

Farm Ponds add values to farming activities. Water from ponds can serve domestic and livestock water supplies as well as irrigation for high-value crops and vegetables. Proximity of ponds to the farmer's house is vital for management and those which are fully integrated contribute most to the overall operation of the farm. Ponds offer the opportunity to rear fish and other aquatic organisms thus providing opportunity to Integrated Farming System for diversification of farm enterprises and reduction of risk in Agricultural practices.

2. Objective:

1. Providing protective irrigation to Kharif crop.
2. It will support the short duration Rabi crop.
3. Support integrated farming i.e. fishery, duckery etc.
4. To ensure income generation and employment creation.
5. Increase in productivity vis-à-vis production.
6. Groundwater recharge.
7. Mitigating adverse effect of water stress condition.



3. Rational:

The total rainfall contributes 230.65 BCM to Odisha out of which 18.77 BCM could only be conserved. The rest is flowing directly to the sea. Consequent upon closer of Batch 5 and 6 watersheds during 2018-19 and inadequate budget provision for watershed development, there is a constraint to achieve the goal of water harvesting for enhancing production and productivity.

Many schemes on Farm Pond are being operated by Fishery, PR & DW, SC/ST and Agriculture and Farmers Empowerment Departments, but the schematic provision differs from scheme to scheme. A common technical guideline has therefore been framed.

4. Project Details:

4.1. Executing agency: The Directorate of Soil Conservation & Watershed Development.

4.2. Target Group: All farmers, namely MF, SF, BF.

4.3. Pattern of assistance: The programme shall be funded under State fund.

4.4. Budget head of the Scheme: The budget of the scheme will be made from State assistance. **SSS "3724-22091, Jaladhara"**

4.5 The Scheme will be implemented in Swabhiman Area of **Malkangiri (Chitrokonda)** & Drought prone Area like: **Koraput, Bolangir, Nuapada, Bargarh & Kalahandi** districts of the State.

4.6 Proposed duration of the Scheme: 03 yrs. starting from FY **2024-25 to 2026-27.**

4.7. Eligibility Criteria for selection of beneficiary:

a) All willing farmers including (ST/ SC/ Women/ Transgender/ Differently able (min 40% disability) beneficiaries) will be eligible to avail Support.

b) Certificate of identity as transgender persons issued by District Magistrate as per "The Transgender persons

(Protection of Rights) Act, 2019" will be accepted for Transgender category.

- c) For differently able persons the certificate of disability issued by certifying authority/ competent authority indicating 40% or more disability as per "The Rights of persons with Disability Acts, 2016" will be accepted.
- d) While availing subsidy, beneficiary family will be considered instead of Individual member of family. One beneficiary family should not be provided with Multiple benefits under this particular scheme. The beneficiary who has already availed assistance for excavation of ponds in his land under any scheme of Government (State/ Centre) shall not be eligible to avail the benefit under this scheme. Assistance should not be repeated to an individual or family.
- e) The beneficiary should have requisite land, free from any litigation and documentary evidence in support of same should be provided. Land verification report from local Tahasildar /Revenue Inspector must be submitted before execution of Farm ponds.
- f) Willing & eligible farmer has to apply online (<http://sugam.odisha.gov.in>) as prescribed, to the respective Assistant Soil Conservation Officer, ASCO/ Assistant Agriculture Engineer, AAE or may contact with SCEW, SCO, ASCO, AAE or ADSC of respective Block for assistance to apply under Go Sugam.
- g) All beneficiaries covered under the scheme should be Aadhar linked to avoid duplication.
- h) The ASCO/AAE shall compile the block wise applications and thereafter undertake a joint verification in transparent manner of the proposed site for excavation. The Block Level Inspection Team shall comprise of the following members.
 - a. ASCO/AAE/ ADSC
 - b. 2.SCEW/SCO
- i) The Block Level Inspection Team will take geo tagged photographs (Minimum 4 photos from all angles of the site) of the site at the time of initial inspection. The Team has to ensure that the proposal is a new site.
- j) On recommendation by Block Level Inspection Team, the respective ASCO/AAE/ADSC shall get it authenticated at BTT meeting and shall forward the online application to the PD Watershed.



- k) On receipt of e-applications by PD Watershed, A District Level Committee (DLC) comprising of Project Director, Watersheds, District Fisheries Officer, Dy. Director Horticulture and Chief District Agriculture Officer under the chairperson of the Collector & District Magistrate shall approve the final list of beneficiaries of the district. More applications may be approved in DLC so that in case of any denial, the other applicants in queue may be issued go-ahead.
- l) In case more applications are received than the target preference will be given to S.T/ S.C/ the Marginal and small farmers.
- m) After approval by the District Administration, Go ahead letter to the eligible farmers will be issued by the Concerned PD Watershed. The project is to be supervised by the staff/ officers of Soil Conservation & WD Directorate with the direct involvement of the beneficiary.
- n) Women headed Family will be given preference over others and for Women headed family, farmer's contribution has been proposed to be kept as 5% irrespective of any category.

4.8 Mode of Implementation:

1. The unit costs of different models are as follows

Farm Pond:

Model -1. Size: 25m x 25m x 3m

Estimated Cost Rs 2.000 Lakh

Model -2. Size: 20m x 20m x 3m

Estimated Cost Rs 1.310 Lakh

Model -3. Size: 15m x 15m x 3m

Estimated Cost Rs 0.708 Lakh

(The estimated cost includes GST, Labor Cess, Adm. Cost & Contingency)

2. Land Verification report from local Tahasildar /Revenue Inspector shall be obtained and submitted by beneficiary to the local ASCO/AAE/ADSC prior to the issue of the Go-Ahead Letter.

3. Before issue of the Go-Ahead Letter, A **notarised undertaking** should be made by the beneficiary not to sell /

mortgage the developed pond within five years of development to any person except mortgaging the pond / tank to the financing Institutes and to contribute the beneficiary share of 5% or 10%.

4. SCEWs/SCOs will provide handholding supports to the farmers.

5. After issue of Go-ahead letter, the farmer will construct the farm pond by himself with technical assistance from Dept. officials.

6. After Completion of all activities mentioned under project estimate (excluding fine dressing & grass turfing), the beneficiary will intimate the local ASCO/AAE/ADSC for work verification and release of fund.

7. Thereafter, the Block Level Team will inspect the Farm Pond within one week period from the date of intimation by the beneficiary. They will take check measurements and obtain the geo-tagged photographs of the farm pond along with beneficiary.

8. The Inspection Team will upload and submit the geo-tagged photographs of the farm pond and recommend to the concerned PD Watershed for release of actual or proportionate eligible subsidy after deducting the farmers share of 5 % or 10% as the case may be. Mechanism has to be developed by the concerned PD Watersheds to deposit the Cess and GST etc.

9. After Completion of fine dressing and grass turfing activity, the beneficiary will intimate the local ASCO/AAE/ADSC for final work verification.

10. Thereafter, the Block Level Team will inspect the

Farm Pond within one week period from the date of intimation by the beneficiary. They will take check measurement and obtain the geo-tagged photographs of the farm pond along with beneficiary for release of remaining proportionate eligible subsidy.

11. The assistance admissible for farm pond will be as per actual or the unit cost applicable whichever is less. Excess expenditure if any will be borne by the beneficiaries.

12. PD Watershed concerned will submit a monthly report on the implementation of the scheme to the Directorate of SC&WD.

13. The DLC approved beneficiary list will be submitted by the PD Watershed to the Director, SC&WD which will be recorded for future references.

14. Contingency and Administrative expenditure will be utilised by the PD Watersheds to meet the expenditure incurred towards the monitoring, supervision, manpower along with IEC activities like printing Leaf lets, pamphlets, wall painting etc. to popularise the scheme.

15. The selected beneficiary has to start the work at least within one month of Go-Ahead letter. In case of failure to do so, a formal notice must be served to initiate the work within 15 days failing of which the go ahead issued will be cancelled and issued to the eligible beneficiary either new/ in the waiting list approved by the DLC.

16. In case any hinderance/disturbances occur during work execution the subsidy will not be released to the beneficiary till the problem is solved.

17. Integrated Farming System will be taken up in all completed farm ponds under the scheme in saturation mode by different Directorates along with Solar pump sets and other activities as admissible and feasible for the project.

18. The earthwork will be done through mechanical means

meeting the cost from the state fund.

19. To ensure transparency, geo-tagging and photographic documentation (Geo- tagged photographs of pre, during and post implementation) of all assets created with Aadhaar seeding are to be uploaded in Go-Sugam portal.

20. Third party assessment of this scheme shall be made each year by an Independent Agency selected through a transparent manner after completion of 1st. year.

21. The Department will ensure proper utilization of water available for pisciculture, low duty crops like pulses, oil seeds and vegetables in the State to encourage per drop more crops.

22. Unit cost & Guideline may be changed as per circular / instructions issued from Govt. from time to time. Accordingly, the revised estimates will be submitted from the Directorates time to time.

23. A total **2650 (Two Thousand Six Hundred Fifty)** numbers of Farm Ponds will be taken up during 2024-25 to 2026-27 as per the following criteria:

a) S.C./ ST/ WOMEN/ Transgender Category:
2100 nos. (Farmer's share @ 5%)

SC/ST Share can be leveraged from ITDA/DMF or any other permissible funds.

b) General Category: **550 nos.(Farmer's share @ 10%)**

(Women headed Family/ Differently abled farmer/ Transgender will be given preference over others in each category with farmer's contribution @ 5% irrespective of Category)



24. Swabhiman Area: Malkangiri-550 Nos.

Drought prone Area like: Koraput- 120 Nos.
 Bolangir - 700 Nos.
 Nuapada- 300 Nos.
 Bargarh- 500 Nos.
Kalahandi- 480 Nos.
Total: 2650 Nos.

25. The total financial outlay of the scheme is Rs.50.00 crore spanning three years (2024-25 to 2026-27). The fund will be met from State Plan. The year wise expenditure programme is as follows:

2024-25: Rs. 12.63 Cr
 2025-26: Rs. 21.46 Cr
 2026-27: Rs. 15.91 Cr

26. Blocks to be covered:

Areas proposed to be covered	
Districts	Blocks
1	2
Malkangiri	Chitrokonda
Koraput	Pottangi (Kotia GP)
Bolangir	All excluding Puintala, Luisinga, Bolangir & Deogaon
Nuapada	Khariar, Boden & Sinapali
Bargarh	Padampur, Gaisilet, Jharbandh, Sohela, Ambabhona & Paikamal
Kalahandi	Bhawanipatna, M.Rampur, Narla, Lanjigarh, & T.Rampur

Does this need
signature of
both directors &
to sign?
Director can sign &
there
24/1

- 9 -

5. Funding:

- a) Three sizes of Farm ponds (25×25×3 m, 20×20×3 m, 15×15×3 m) to be taken up as per the availability of land with willingness of the beneficiaries.
- b) Integrated Farming System will be taken up in all completed Jaladhara farm ponds in saturation mode by DAFE under its IFS Scheme.
- c) The beneficiaries of Farm Pond under Jaladhara will not be allowed to take up the FP from any other scheme of Centre/State Govt.
- d) The monitoring and supervision of the scheme to be done through Go SUGAM/ADAPT portal wherein geotagged photos to be uploaded at the time of start, progress, and completion of the work.
- e) Payment will be made directly to the beneficiaries in IFMS mode only, basing on its percentage of work done.



**Director, SC & WD-cum-
Additional Secretary to the Government
Department of A & FE**

ABSTRACT OF COST**Construction of FARM POND(25mX25mx3.0m)**

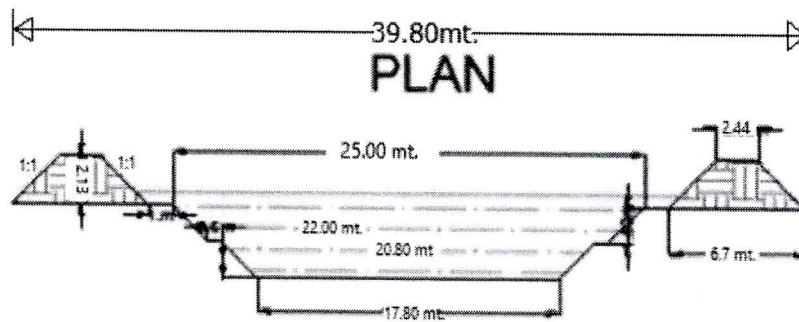
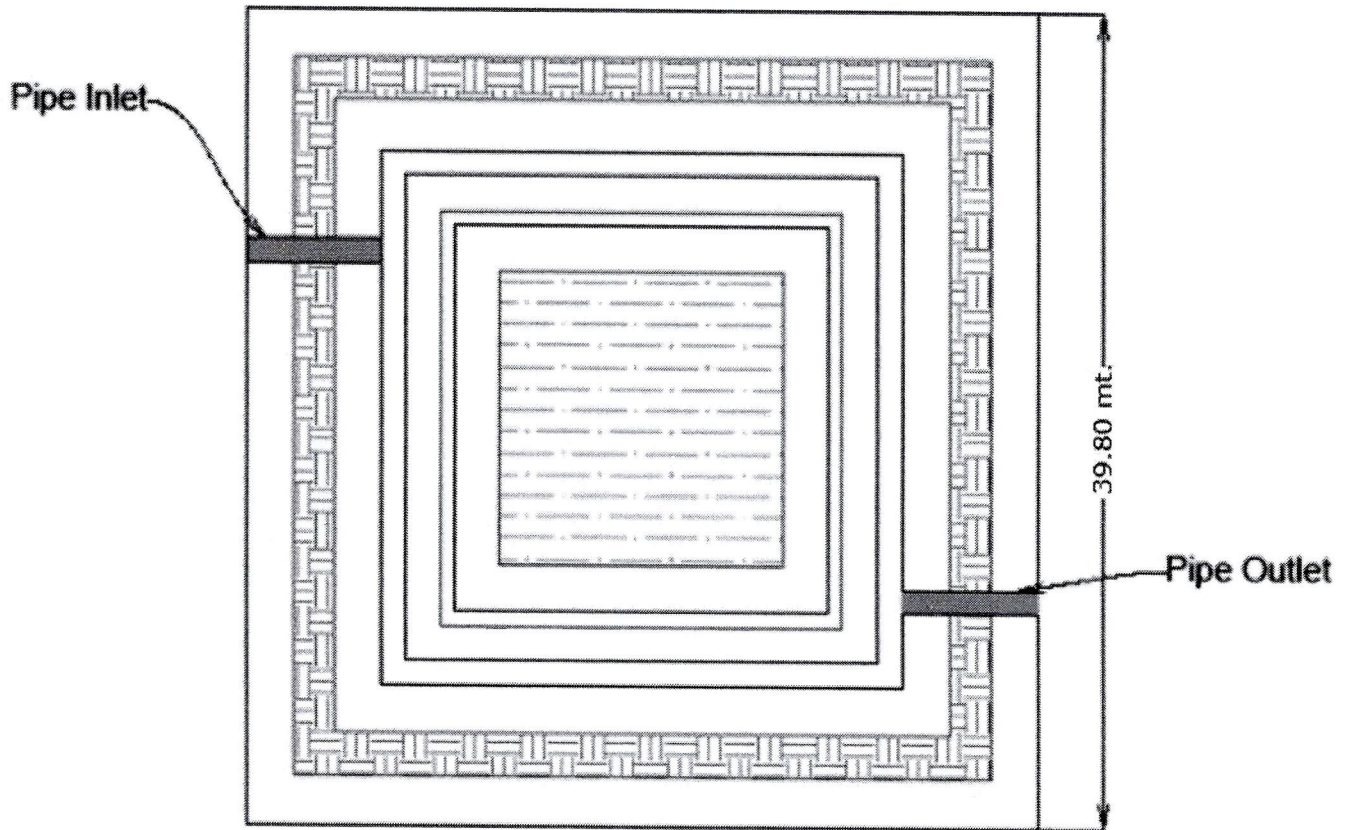
Sl.No.	Item	Qty	Unit	Rate	Amount
1	Cleaning Grass and removal of rubbish up to a distance of 50m outside the periphery of the area	1583.881	sq.m	₹ 2.54	₹ 4,023.06
2	Excavation, loading, unloading and carriage by mechanical means of all kinds of soil, including stoney earth, gravels and moorum etc	1387.110	cum	₹ 85.04	₹ 1,17,959.83
3	Ramming and Rolling of earth work with light HRR in embankment in layers not exceeding 0.30m depth	1315.102	cum	₹ 21.45	₹ 28,208.94
4	Fine dressing and turfing within initial lead and lift	620.190	sq.m	₹ 18.17	₹ 11,268.85
5	200mm dia of Rigid UPVC PIPES(IS:4985:2000) Class-4	6.000	Rmt	₹ 1,606.02	₹ 9,636.12
6	Fitting and Fixing of 200mm dia of Rigid UPVC PIPES	LS			₹ 1,000.00
7	Cost of Transparency Board/Citizen Information Board (Size - 4'0"x5'0")	LS			₹ 3,000.00
Total					₹ 1,75,096.80
				or	₹ 1,75,097.00
	Add 12% GST				₹ 21,012.00
	Add 1% towards contingency				₹ 1,751.00
	Labour Cess 1% of Project Cost				₹ 1,751.00
	Add (LS) towards Administrative Expenses				₹ 389.00
					₹ 2,00,000.00
	Grand Total				₹ 2,00,000.00
Rupees Two Lakh only					


 11/12/24
 Prepared by
ASST. ENGINEER
 DSC & W. B. Bhatnagar


 11/12/2024
 Executive Engineer (Agril.)
 DSC & W. B. Bhatnagar
 Technically Approved by
EXECUTIVE ENGINEER


 11/12/24
 Approved by
DIRECTOR, SCWD
 (Tech)

Farm Pond (25X25mX3.0m)



Sectional View

P. B. S.
11.12.2024
Executive Engineer (Agril.)
DSC & WD, Bhubaneswar

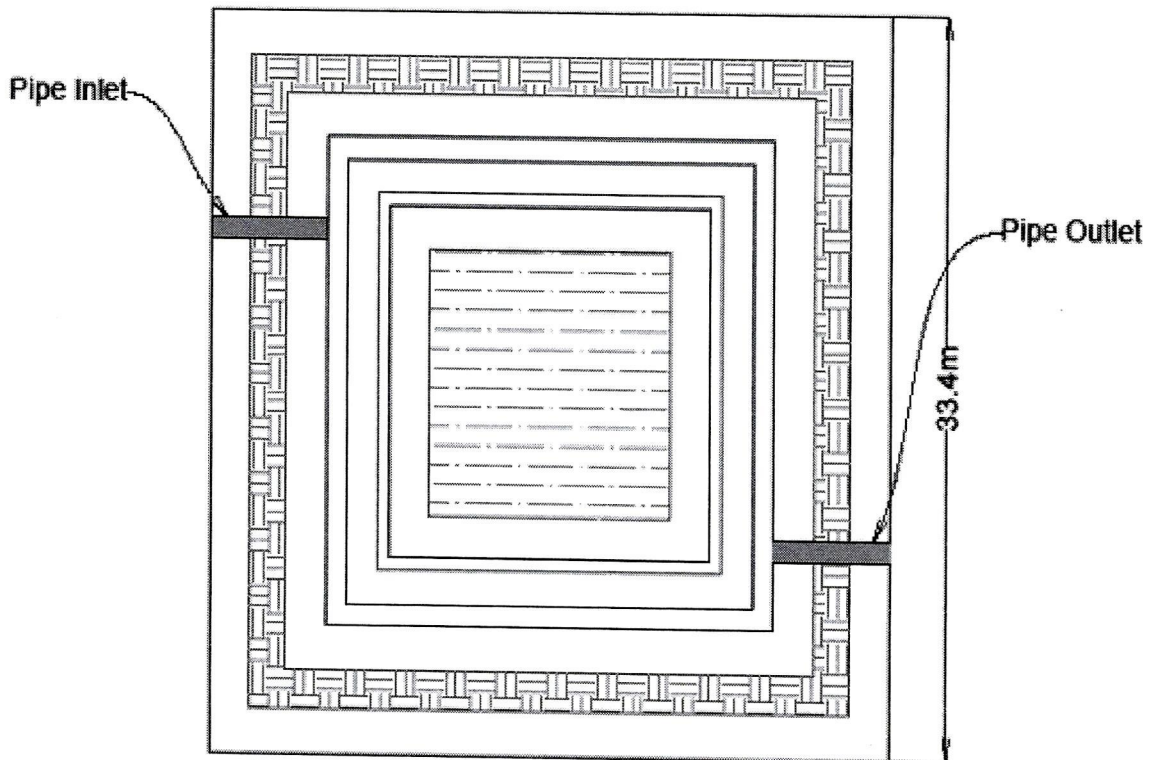
ABSTRACT OF COST					
Construction of FARM POND(20mX20mx3m)					
Sl.No.	Item	Qty	Unit	Rate	Amount
1	Cleaning Grass and removal of rubbish upto a distance of 50m outside the periphery of the area	1115.560	sq.m	₹ 2.54	₹ 2,833.52
2	Excavation, loading, unloading and carriage by mechanical means of all kinds of soil, including stoney earth, gravels and moorum etc	820.110	cum	₹ 85.04	₹ 69,742.15
3	Ramming and Rolling of earth work with light HRR in embankment in layers not exceeding 0.30m depth	799.976	cum	₹ 21.45	₹ 17,159.49
4	Fine dressing and turfing within initial lead and lift	596.104	sq.m	₹ 18.17	₹ 10,831.21
5	200mm dia of Rigid UPVC PIPES(IS:4985:2000) Class-4	6.000	Rmt	₹ 1,606.02	₹ 9,636.12
6	Fitting and Fixing of 200mm dia of Rigid UPVC PIPES	LS			₹ 1,000.00
7	Cost of Transparency Board/Citizen Information Board (Size - 4'0"x5'0")				₹ 3,000.00
Total					₹ 1,14,202.49
				or	₹ 1,14,202.00
Add 12% GST					₹ 13,704.00
Add 1% towards contingency					₹ 1,142.00
Labour Cess 1% of Project Cost					₹ 1,142.00
Add (L.S) towards Administrative Expenses					₹ 810.00
					₹ 1,31,000.00
Grand Total					₹ 1,31,000.00
Rupees One Lakh Thirty-One Thousand only					


 Prepared by
ASST. ENGINEER
 NSC & WD, Chikmagalur

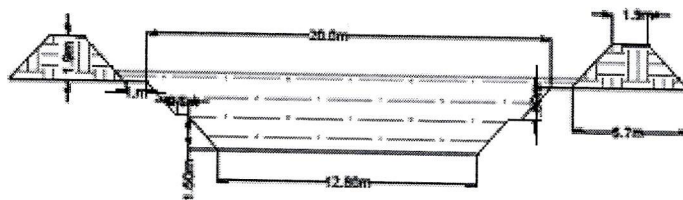

 Technically Approved by
EXECUTIVE ENGINEER
 NSC & WD, Chikmagalur


 Approved by
DIRECTOR, SCWD
 Tech

Farm Pond (20X20mX3.0m)



PLAN



Sectional View

R. Prasad
Executive Engineer (Agril.)
DSC & WD, Bhubaneswar

ABSTRACT OF COST					
Construction of FARM POND (15m15mx3.0m)					
Sl.No.	Item	Qty	Unit	Rate	Amount
1	Cleaning Grass and removal of rubbish up to a distance of 50m outside the periphery of the area	676.000	sq.m	₹ 2.54	₹ 1,717.04
2	Excavation, loading, unloading and carriage by mechanical means of all kinds of soil, including stoney earth, gravels and moorum etc	403.110	cum	₹ 85.04	₹ 34,280.47
3	Ramming and Rolling of earth work with light HRR in embankment in layers not exceeding 0.30m depth	400.500	cum	₹ 21.45	₹ 8,590.73
4	Fine dressing and turfing within initial lead and lift	249.200	sq.m	₹ 18.17	₹ 4,527.96
5	200mm dia of Rigid UPVC PIPES(IS:4985:2000) Class-4	6.000	Rmt	₹ 1,606.02	₹ 9,636.12
6	Fitting and Fixing of 200mm dia of Rigid UPVC PIPES	LS			₹ 1,000.00
7	Cost of Transparency Board/Citizen Information Board (Size - 2'0"x3'0")	LS			₹ 2,000.00
Total					₹ 61,752.32
				or	₹ 61,752.00
	Add 12% GST				₹ 7,410.00
	Add 1% towards contingency				₹ 618.00
	Labour Cess 1%				₹ 618.00
	Add Administrative Expenses	LS			₹ 402.00
					₹ 70,800.00
Grand Total					₹ 70,800.00
Rupees Seventy Thousand & Eight Hundred only					

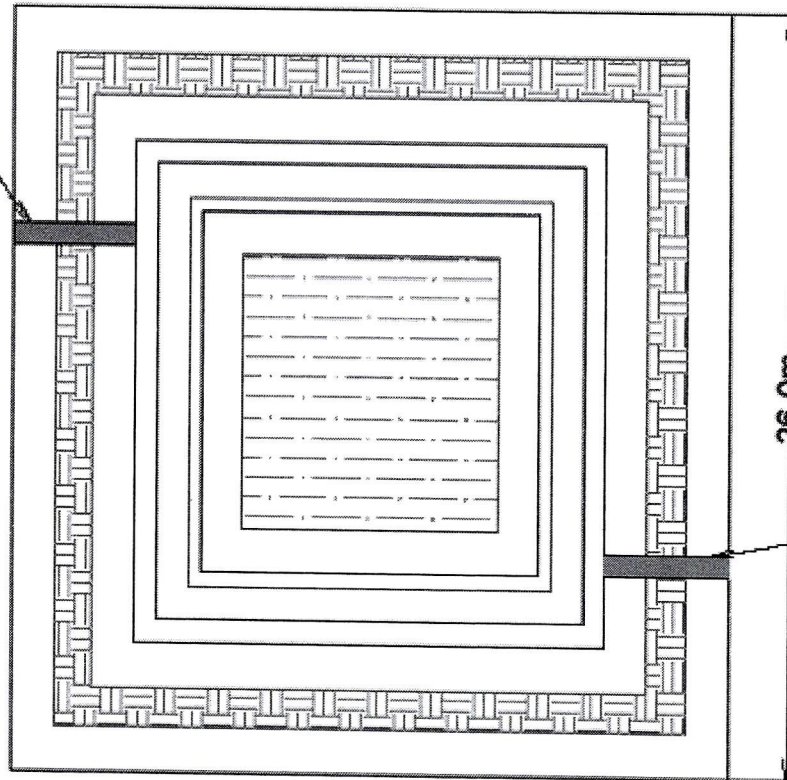

Prepared by
ASST. ENGINEER


Technically Approved by
EXECUTIVE ENGINEER
DSC & WD, Bhubaneswar


Approved by
DIRECTOR, SCWD
Tech

Farm Pond (15X15mX3.0m)

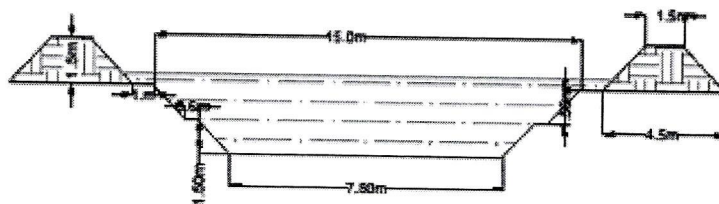
Pipe Inlet



26.0m

Pipe Outlet

PLAN



Sectional View

R. Prasad
Executive Engineer (Agil.)
DSC & WD, Bhubaneswar