

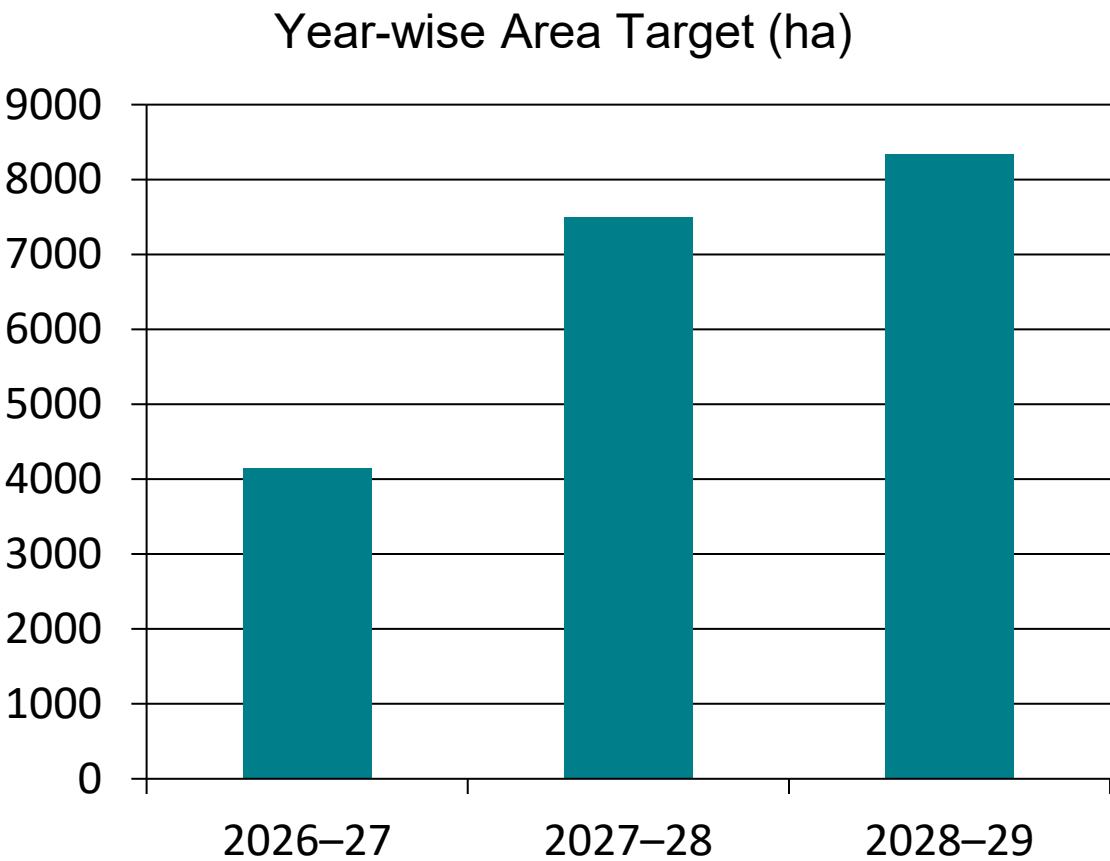
Cluster-Based Semi-Intensive Pond Aquaculture Input Procurement & Financial Requirement

**FY 2026–27 | 4,140 hectares | Fish Seed, Floating Fish Feed
& Pond Management Kits**

UP-AGREES • Component 01: Productivity Enhancement

Year-wise Targets and Cost Table

Commodity Ponds: Supply of Improved Inputs – Seed and Feed



Year	Area (ha)	Amount (₹ crore)
2026-27	4,140	66.24
2027-28	7,500	120.00
2028-29	8,340	133.44
Total	20,000	320.00

FY 2026-27 accounts for 20.7% of the total three-year area target.

Annual Input Requirement- 2026-2027

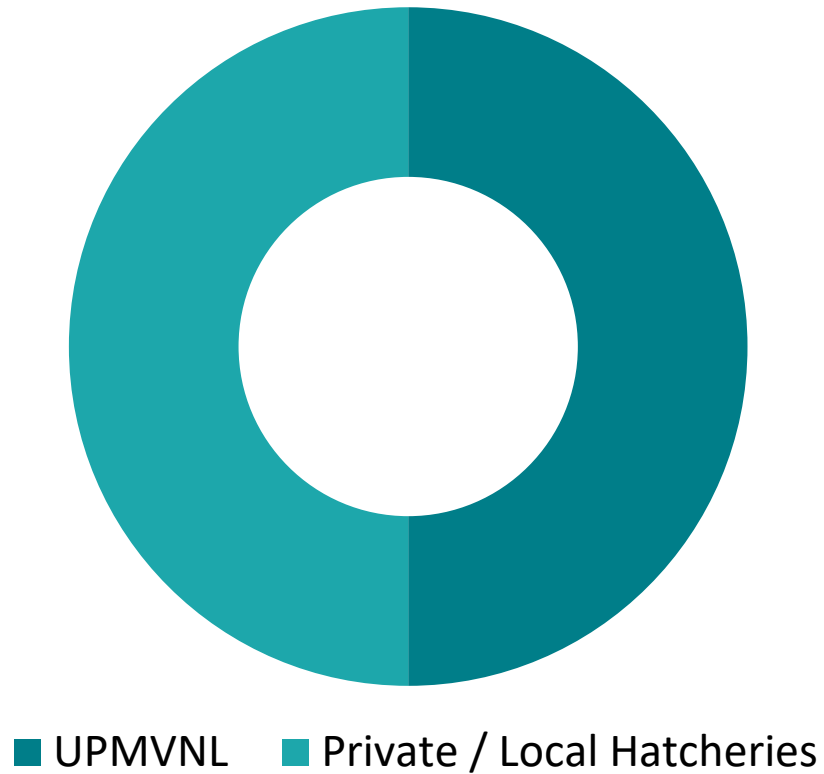
Scale of seed, feed and pond-management support

Input	Requirement
Fish fingerlings (80–100 mm)	3.312 crore
Project-supported floating feed	14,490 MT
Beneficiary-supported feed	10,350 MT
Total feed	24,840 MT
Pond management kits	4,140

Fish Seed Procurement Strategy

332.20 lakh fingerlings | 80–100 mm size

Fingerlings

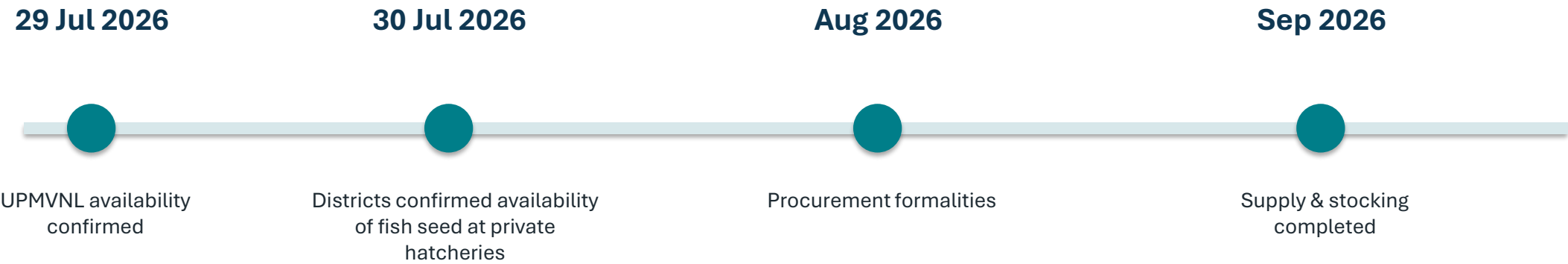


Proposed Sourcing Model

1. 165.60 lakh fingerlings from hatcheries managed by Uttar Pradesh Matsya Vikas Nigam Ltd.
2. 165.60 lakh fingerlings from local/nearby private hatcheries at district level, as permitted under the approved SOP.
3. UPMVNL procurement formalities to be completed on priority in accordance with World Bank-approved procurement provisions.
4. Clear guidance from the Senior Expert (Procurement) is proposed for district-level procurement from private hatcheries.

Time-Critical Implementation

Live fish seed procurement must align with the biological stocking window



Risk: Any delay in procurement may affect the September 2026 stocking window and achievement of physical and financial targets.

Floating Fish Feed & Pond Management Kits

Centralized e-tender procurement approach

Floating Balanced Fish Feed

1. High-protein floating balanced fish feed.
2. BIS Standards have been confirmed; tender procurement is under process at Procurement Cell level.
3. Estimated quantity: 1.449 lakh quintals (4,140 ha × 35 quintals/ha).
4. Estimated expenditure: ₹72.45 crore.

Pond Management Kits

1. Water/soil testing and other essential pond management materials.
2. One kit per hectare; total 4,140 kits.
3. Rate: ₹6,000 per kit.
4. Estimated expenditure: ₹2.484 crore; centralized e-tender proposed.

The Procurement Expert / Procurement Cell is proposed to be directed to complete tendering and supply in a time-bound manner.

Procurement & Distribution Workflow

Time-bound, quality-controlled and digitally documented

- 1 Cluster/District Indent** SO + DMF prepare demand based on approved area, stocking density and species.
- 2 Verification & Consolidation** DPIU verifies; PMU consolidates district requirements for procurement.
- 3 Seed Procurement** UPMVNL as primary source; balance from approved nearby private hatcheries when required.
- 4 Feed & Kit Procurement** Centralized e-tendering through UP-AGREES procurement system; district supply orders.
- 5 Delivery & Distribution** Direct/identified FFPG-point delivery; distribution in presence of Gram Pradhan.
- 6 Evidence & Quality Control** Quality testing, beneficiary verification, GPS/geotagged photographs and digital records.

Monitoring, Quality & Audit Controls

Controls embedded across procurement, stocking and distribution

1. Verify every beneficiary and pond before distribution.
2. Test quality of fish seed and feed before distribution.
3. Maintain buffer stock and alternate suppliers as required.
4. Maintain GPS-based and digital records of fish seed and feed distribution.
5. Retain distribution registers and beneficiary receipts.
6. Capture GPS/geotagged photographs at supply, distribution, stocking and feed/kit use stages.
7. Target 100% MIS reporting for implementation visibility.

Quality

Healthy, disease-free, uniform-size fingerlings and SOP-compliant feed.

Traceability

Geotagged evidence linked to beneficiary, pond and distribution records.

Accountability

SO/DMF, DPIU, DPM and PMU responsibilities are explicitly sequenced.

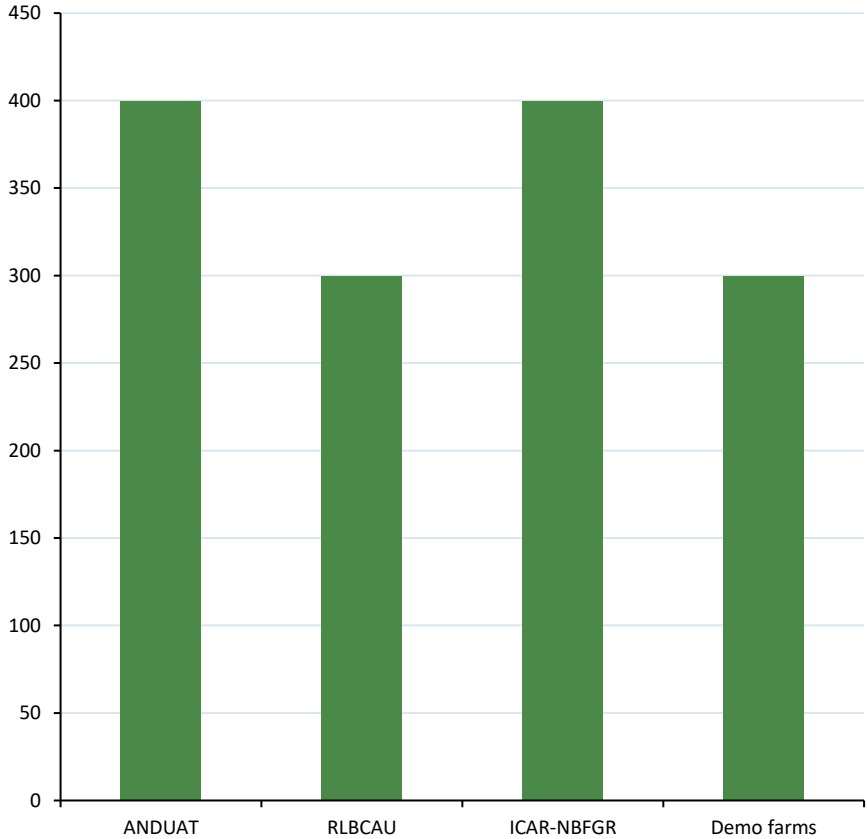
Audit readiness

Receipts, registers, photographs and digital records retained for verification.

Training Plan

1,400 fish farmers | 28 batches | September–March

Training institution / platform	Districts	Farmers	Batches
ANDUAT, Ayodhya	7	400	8
RLBCAU, Jhansi	7	300	6
ICAR-NBFGR, Lucknow	8	400	8
Progressive fish-farmer demonstration farms	6	300	6
Total	28	1,400	28



Key Deliverables for 2026–27

Management focus for timely implementation

345

Operational clusters

4,140 ha

Area covered

3.312 Cr

Fingerlings stocked*

25%

Expenditure by September

100%

MIS reporting

↑

Production & farmer
income

Financial Requirement: Budget vs Estimated Expenditure

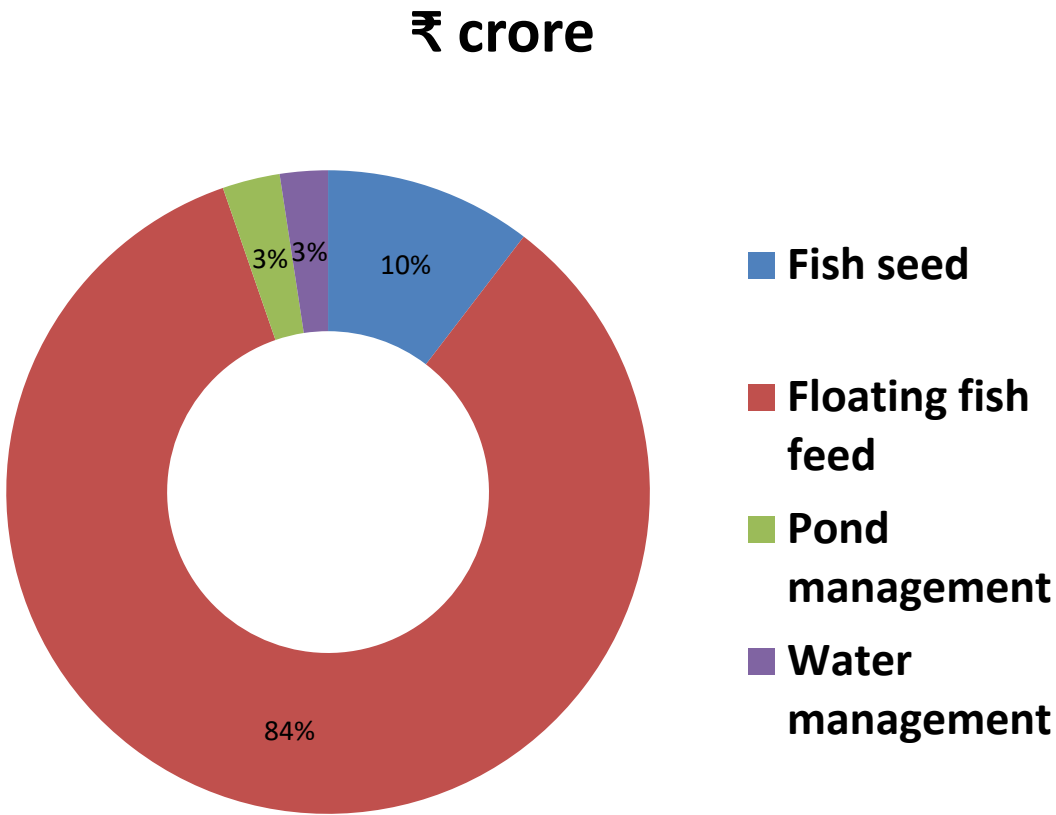
4,140 ha — Cost Table rates versus current estimated rates

Sl. No.	Component	PIP Norms		Cost Table Norms			Revised Estimated Cost (Proposed)		
		Quantity per ha	Total Quantity	Rate	Amount per ha (₹)	Total Amount	Revised Rate	Amount per ha (₹)	Total Amount
1	Fish Seed (Fingerlings: 80–100 mm) – 4,140 ha	8,000 Nos.	3.312 crore	₹2.00 per seed	16,000	₹6.624 Cr	₹2.70 per seed	21,600	₹8.9424 Cr
2	Floating Supplementary Fish Feed – 4,140 ha	35 quintals	1.449 lakh quintals	₹38 per kg	1,33,000	₹55.062 Cr	₹50 per kg	1,75,000	₹72.45 Cr
3	Pond Management Kit – 4,140 ha	1 kit per ha	4,140 kits	₹6,000 per kit	6,000	₹2.484 Cr	₹6,000 per kit	6,000	₹2.484 Cr
4	Water Supply Management – 4,140 ha (to be managed by the beneficiary)	L/S	4,140	L/S	5,000	₹2.07 Cr	L/S	5,000	₹2.07 Cr
	Total				1,60,000	₹66.24 Cr		2,07,600	₹85.9464 Cr

The principal cost escalation arises from higher estimated rates for fish seed (revised by UPMVNL) and floating fish feed (due to the rise in the price of raw materials, companies has increased their feed cost by Rs 10-12/- per Kg) .

Financial Plan 2026-2027

Approved component-wise financial requirement



Component	Amount (₹ crore)
Fish seed	8.942
Floating fish feed	72.45
Pond management	2.484
Water management	2.07
Total	85.9464

₹2.076 lakh
Cost per hectare

84.3%
Feed share of plan

Financial Adjustment & Approval Sought

Key points

Approved Budget

₹66.24 Cr

Estimated Requirement

₹85.9464 Cr

Adjustment Required

₹19.7064 Cr

1. Approval to procure about 1.65 crore fingerlings from UPMVNL and the remaining about 1.65 crore from local/nearby private hatcheries at district level as per applicable procurement procedures.
2. Direction to the Procurement Expert/Cell for centralized e-tender procurement of floating fish feed and pond management kits.
3. Approval to adjust ₹19.7064 crore from Component-B, B(ii) “Small Reservoir (200–1000 ha)” provision of ₹39.00 crore to the pond-based aquaculture budget.

Submitted for orders and approval

Summary

FY 2026–27 procurement

Target Area

4,140 ha

Fingerling Target

331.20 lakh

80–100 mm size

Approved Budget

₹66.24 crore

Estimated Expenditure

₹85.9464 crore

- UP Matsya Vikas Nigam Ltd. has confirmed availability of 165.60 lakh fingerlings.
- Remaining 165.60 lakh fingerlings are proposed to be procured from local/nearby private hatcheries at district level.
- Floating fish feed and pond management kits are proposed for centralized procurement through e-tendering.
- Fish seed stocking must be completed in September 2026.
- Estimated additional financial requirement: **₹19.7064 crore.**
- Adjustment is proposed from the Small Reservoir (200–1000 ha) budget head.

THANK YOU

District-wise Procurement Plan | Districts 1–14

Sl. No.	District	Area (ha)	Seed Req. (lakh)	UPMVNL (lakh)	Private (lakh)	Fry/Fingerling Feed (t)	Grow-out Feed (t)	Total Feed (t)	Pond Mgmt. Kits
1	Jaunpur	240	19.2	9.6	9.6	84	756	840	240
2	Chandauli	120	9.6	4.8	4.8	42	378	420	120
3	Varanasi	120	9.6	4.8	4.8	42	378	420	120
4	Ghazipur	240	19.2	9.6	9.6	84	756	840	240
5	Mirzapur	120	9.6	4.8	4.8	42	378	420	120
6	Bhadohi	120	9.6	4.8	4.8	42	378	420	120
7	Sonbhadra	120	9.6	4.8	4.8	42	378	420	120
8	Jalaun	120	9.6	4.8	4.8	42	378	420	120
9	Lalitpur	60	4.8	2.4	2.4	21	189	210	60
10	Jhansi	120	9.6	4.8	4.8	42	378	420	120
11	Gorakhpur	240	19.2	9.6	9.6	84	756	840	240
12	Maharajganj	240	19.2	4.8	14.4	84	756	840	240
13	Kushinagar	120	9.6	4.8	4.8	42	378	420	120
14	Deoria	240	19.2	9.6	9.6	84	756	840	240

District-wise Procurement Plan | Districts 15–28

Sl. No.	District	Area (ha)	Seed Req. (lakh)	UPMVNL (lakh)	Private (lakh)	Fry/Fingerling Feed (t)	Grow-out Feed (t)	Total Feed (t)	Pond Mgmt. Kits
15	Ballia	120	9.6	4.8	4.8	42	378	420	120
16	Mau	120	9.6	4.8	4.8	42	378	420	120
17	Azamgarh	240	19.2	9.6	9.6	84	756	840	240
18	Sant kabir Ngr	120	9.6	4.8	4.8	42	378	420	120
19	Basti	120	9.6	4.8	4.8	42	378	420	120
20	Siddharth Ngr	240	19.2	9.6	9.6	84	756	840	240
21	Banda	120	9.6	4.8	4.8	42	378	420	120
22	Chitrakoot	120	9.6	4.8	4.8	42	378	420	120
23	Hamirpur	120	9.6	4.8	4.8	42	378	420	120
24	Mahoba	120	9.6	4.8	4.8	42	378	420	120
25	Bahraich	120	9.6	9.6	0.0	42	378	420	120
26	Balrampur	120	9.6	4.8	4.8	42	378	420	120
27	Sharvasti	120	9.6	4.8	4.8	42	378	420	120
28	Gonda	120	9.6	4.8	4.8	42	378	420	120
	TOTAL	4,140	331.2	165.6	165.6	1,449	13,041	14,490	4,140

Note: Floating fish feed protein specifications vary by species and production stage; procurement should follow approved BIS specifications.

Quality Standards for Fish Feed

Specifications for Carp and Catfish Fry & Grow-out Feed

Sl. No.	Quality Parameter	Carp Fingerling Feed	Carp Grow-out Feed	Pangasius Fingerling Starter Feed	Pangasius Grow-out Feed
1	Moisture, maximum (%)	12	12	12	12
2	Crude Protein, minimum (%)	26	22	24	22
3	Crude Fat, minimum (%)	4.0	4.0	3.5	3.0
4	Crude Fibre, maximum (%)	8.0	8.0	7.0	8.0
5	Acid Insoluble Ash, maximum (%)	3.0	3.0	4.0	4.0
6	Gross Energy, minimum (kcal/kg)	3000	2800	2550	2500

BIS 16150 (Part 1) : 2023- Carp Feed

BIS 16150 (Part 3) : 2023- Pangasius Feed