

**Guideline for Semi-commercial Duck farming
in Deep litter System
under "Poultry Development" a Sub Scheme of
Prani Sampad Samrudhhi Yojana (PSSY)
Under 'State plan'
during the year 2025-26
Project cost :-Rs 226.5 Lakh
(Period 2025-26)**

**Directorate of Animal Husbandry & Veterinary Services,
Odisha, Cuttack**

**Semi-commercial Duck farming in Deep litter System
(1000 birds capacity)
Under 'State plan' during the year 2025-26**

Background:

Duck rearing is a profitable activity compared to raising chicken as they are more resistant to diseases and can withstand natural calamities. Duck farming does not need much investment and skill set. Among the egg laying breeds, Khaki Campbell is an ideal breed which lays nearly 250 eggs per duck per year in semi-intensive system. Mature Khaki Campbell ducks weigh about 2 to 2.2 Kg and drakes 2.2 to 2.4 Kgs. White Pekin is the most popular breed which is fast growing and has low feed consumption with fine quality of meat. It attains about 2.2 to 2.5 Kgs of body weight in 12 wks of age, with a feed conversion ratio of 1:2.3 to 2.7 Kgs.

The agro climatic condition and vast expanse of natural water bodies prevalent in the State are favorable for duck farming. Ducklings can be reared in semi-intensive or range system.

AIM

The scheme aims to support 314 individual farmers for setting up of semi-commercial duckery unit with a capacity of 1000 ducks per unit.

OBJECTIVE

- To strengthen the local duck production Systems for enhancing livelihoods and also for generation of additional income among the farmers through duck rearing.
- To support nutritional requirement through production of animal protein.
- To build the capacity of farmers for undertaking semi- commercial duck farming as a profitable enterprise.

Target beneficiaries:

Under the scheme, it is planned to cover 314 farmers belonging to General category, SC, ST & Women, Transgender & differently able (min 40% disability) category during the current year 2025-26.

Subsidy Outlay if opted for shed:-**Unit cost: Rs 4.4 Lakh**

Subsidy	Rs in Lakhs per unit	1 st installment subsidy (40% of the eligible subsidy)	2 nd installment subsidy (rest 60% of the eligible subsidy)
		After construction of building & Disposal pit for waste disposal, carcass & litter disposal pit	After induction of ducklings
Subsidy to SC, ST, women, Transgender & PWD (min. 40% disability) category @60% of the unit cost	Rs 2.64	Rs 1,05,600	Rs 1,58,400
Subsidy to General male @50% of the unit cost	Rs 2.2	Rs 88,000	Rs 1,32,000

Subsidy Outlay if Not Opted for Shed-**Recurring cost- Rs. 2.4 lakh**

Subsidy	Recurring cost in Lakhs per unit	Single installment subsidy
		After construction of Disposal pit for waste disposal, carcass & litter disposal pit & induction of chicks
Subsidy to SC, ST, women, Transgender & PWD (min. 40% disability) individuals @60% of the recurring cost	Rs 2.4 Lakh	Rs 1.44 Lakh
Subsidy to General male @50% of the recurring cost	Rs. 2.4 lakh	Rs. 1.2 lakh

NB- To ensure transparency, beneficiaries must make online payments (RTGS/NEFT/UPI) for any item costing Rs. 20,000/- or more, whether purchased from a single or multiple dealers/vendors. For such items, submission of the online transaction receipt is mandatory for subsidy release.

Selection of farmers-

- i. The willing farmers/ entrepreneurs /ST, SC, Women, Transgender & Differently Able (min 40 % disability) beneficiaries will be eligible to avail support.
- ii. The 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.
- iii. 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.
- iv. Each entrepreneur will apply online (<http://sugam.odisha.gov.in>) as prescribed, to the respective Block Veterinary Officer (BVO) or may contact with AVAS/VAS/BVO of respective block for assistance to apply.
- v. All beneficiaries covered under the scheme should be Aadhar linked to avoid duplication.
- vi. **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 one particular scheme. A family will not be eligible for subsidy under the same scheme if any of its members has got subsidy during last three years.** However, if any member of one family gets the benefit as a member of WSHG, then the other family member can avail any other scheme as in a group activity profit for each of the group members may not be enough.
- vii. The BVO shall compile the Block wise applications and thereafter undertake a joint verification in transparent manner of the proposed poultry unit. The Block Level Inspection Team shall comprise of the following members
 - a. BVO/AVAS/VAS
 - b. Concerned Livestock Inspector/ VT/VSAS
- viii. 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 project & also mention whether the individuals are optioned for shed or not.
Annexure-I.
- ix. On recommendation by the Block Level Inspection Team, the respective BVO shall forward the online applications to the CDVO.
- x. **On receipt of e-applications by the CDVO, a District Level Committee comprising of Chief Development Officer-cum-Executive Officer, Zilla Parisad, CDVO, ADVO (LP), District Project Coordinator, Mission Shakti, District Project Manager, OLM and Project Administrator, ITDA (Concerned area) under the Chairmanship 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.**
- xi. After approval of the list, Go-ahead letter to the eligible farmers will be issued by the concerned CDVO as per **Annexure- II.**



Modalities of implementation-

1. The IIs/ Prani Mitras/ Gomitras/ other such workers will be tied up for providing handholding support to the farmers.
2. **Construction of Disposal pit for waste disposal**, carcass & litter disposal pit must be constructed by the beneficiary/WSHGs while construction of Chick rearing unit. For bio-security measures construction of foot path shall be done before entry of Chick Rearing unit.

(If opted for shed)-

- After issue of go-ahead letter, the farmer will construct the duckery shed and other infrastructure.
- After completion of the duckery shed, Disposal pit for waste disposal, carcass & litter disposal pit the beneficiary will intimate the Local BVO/ AVAS in the format enclosed at **Annexure-III**.
- The block level Inspection Team will inspect the duckery shed along with Disposal pit for waste disposal, carcass & litter disposal pit within 2weeks period from the date of intimation by the beneficiary. They will take geo-tagged photographs of the entire unit along with the beneficiary.
- The Inspection Team will upload & submit the geo-tagged photographs of the duckery Shed along with Disposal pit for waste disposal, carcass & litter disposal pit and recommend to the concerned CDVO for release of 40% of the eligible subsidy **Annexure-IV**.
- Then the beneficiary will start rearing the birds. After induction of 1000 nos. of day-old ducklings, the beneficiary will intimate local AVAS/ BVO in the format enclosed at **Annexure-III**.
- Thereafter, the block level Inspection Team will inspect the fully stocked duckery unit. They will take geo-tagged photographs of the duckery Unit and recommend to the concerned CDVO for release of the eligible subsidy. **Annexure-IV**.
- The individual members belonging to SC, ST, Women, Transgender & PWD (min. 40% disability) will be provided a maximum of 60% subsidy and individual belonging to General male will be provided a maximum of 50% back ended subsidy of the unit cost.
- The eligible subsidy amount shall be released back ended to the bank account of the individual farmers through DBT mode only in two phases i.e 40% of the eligible subsidy after construction of the duckery shed along with Disposal pit for waste disposal, carcass & litter disposal pit in the 1st phase and 60% of the eligible subsidy after stocking of the 1000 nos. of day old ducklings in the 2nd phase with due asset verification by the inspection team.

If not opted for shed -

- After issue of the go-ahead letter, the individuals will construct the Disposal pit for waste disposal, carcass & litter disposal pit & then arrange the litter materials, feeders, drinkers etc required and then induct the 1000 nos. of day-old ducklings under supervision and guidance of the Block Level Veterinary officer within 1 month of issue of go-ahead letter.

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- Then the beneficiary will intimate local AVAS/ BVO in the format enclosed at **Annexure-III**.
 - Thereafter, the block level Inspection Team will inspect and will take geo-tagged photographs of the stocking of ducklings and recommend to the concerned CDVO for release of the eligible subsidy. **Annexure-IV**.
 - The eligible subsidy amount shall be released back ended to the bank account of the individual farmers through DBT mode only in single phase as mentioned **in the subsidy provision** with due asset verification by the inspection team.
 - The individual members belonging to SC, ST, Women, Transgender & PWD (min. 40% disability) will be provided a maximum of 60% and individual belonging to General male will be provided a maximum of 50% back ended subsidy **of the recurring cost as mentioned in the subsidy provision**.
3. The CDVO concerned will submit a monthly report on the implementation of the scheme to the Directorate of AH & VS, Odisha through the online Go Sugam Portal (<http://sugam.odisha.gov.in>).
 4. Administrative Cost will be given to CDVOs to meet the expenditure incurred towards monitoring & supervision of the scheme.
 5. The list of beneficiaries will be submitted by the CDVO to the Director AH & VS which will be uploaded in the website of Directorate of AH & VS.
 6. The selected beneficiary to start the work at least within 2 months of issue 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 an eligible beneficiary either new/ in the waiting list approved by the DLC.
 7. The applications of eligible and willing farmers who have already applied for establishing units under similar scheme in Go-SUGAM for the year 2024-25 and are under waiting list shall be considered for the financial year 2025-26 on priority. For the applications (for the year 2024-25) the concerned block and district officers are to contact with the beneficiaries and obtain his/her consent to establish the unit for the yr. 2025-26 so that application can be placed in the DLC for approval and issue of Go- ahead letter.
 8. The CDVOs and BVOs may facilitate credit linkage from banks to the beneficiary for availing loans to create a duck farm, as per the requirement of the beneficiary.
 9. All projects shall be Geo tagged with photographs and release of back ended subsidy shall be made only after joint verification of the project by concerned Block Level Inspection Team.
 10. The target should not be a constraint for any district. The district officials can enhance it up to 25% of their allocated target taking into account the requirement & potentiality of the district. The letter bearing no 2620, dated 24.02.2023 issued from FARD Department may be referred for this purpose. The district officials are free to allocate Block targets according to the demand of different Blocks.
 11. All projects shall be Geo tagged with photographs and release of subsidy shall be made only after joint verification of the project by **BLIT**.
 12. Beneficiary can use own land or land on lease basis.

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13. No additional manpower or Consultants shall be engaged for implementation of the scheme. This scheme shall be implemented with existing field staff.
14. Quality checking of chicks procured by the beneficiaries shall be ensured by concerned BVOs.
15. All Beneficiaries should be mandatorily Aadhar linked and the beneficiary database should be maintained in the Directorate website.

Training of the farmers

- i. Training will be organized at Block Head Quarter level or any other convenient place after final approval of the list.
- ii. The duck unit will be managed by the farmers
- iii. Each beneficiary will be trained on recommended management practices on brooding, feeding, watering and rearing young ducks, record keeping, etc.
- iv. The concerned Livestock Inspectors, Gomitras and Prani Mitras will guide the farmers in field for managing the duck units.
- v. The capacity building of LIs, Gomitras, Prani Mitras will be taken up by the Deptt.

Procurement of Ducklings

The beneficiary shall directly procure quality ducklings from Govt. Duck farms or any reputed sources which will be properly monitored by the respective BVOs. **Priority should be given to nearest Govt. Duck farm.**

Health Care Measures

The BVO will provide all technical guidance to the farmer for maintaining proper veterinary health care and immunization of the ducklings.

Monitoring and supervision

- Regular supervision of progress of the scheme will be done by the Directorate of AH & VS. The scheme will be reviewed fortnightly by the Directorate of AH & VS.
- The block wise target will be fixed by the concerned CDVOs.
- Proper documentation will be done by taking geo tagged photographs of each duck unit along with the farmer.
- Regular monitoring will be done by the SDVO Concern along with ADVO LP under the direct supervision of the CDVO.
- All data with regard to the scheme should be entered online on the Go-Sugam portal at Block and district level.
- Every month the monthly progress report will be submitted by CDVO by 4th of every month in the prescribed format to the Directorate of AH & VS for compilation.

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For effective implementation of the scheme the following officers concerned will verify the mentioned percentage of scheme under their respective jurisdiction.

- BVO-20% of the Block target
- Concerned SDVO- 20% of sub divisional target
- ADVO LP- 10% of District target
- CDVO- 5% of District target
- Concerned Scheme Officer of Directorate-0.5% of State target
- Concerned Additional Director- 0.5% of State target

Scheme Outlay

The unit cost of one semi commercial duck unit (1000 birds capacity) is Rs.4.40 lakh. The fund requirement towards Govt. Share for supporting establishment of semi commercial duck units (including 0.25% of the Admin Cost of total state share) during the year 2025-26 is proposed for Rs 226.5 lakh.

Financial year	Particulars	Unit Cost (In lakh)	No. of Unit to be established	Admin cost @ 0.25% of total cost in lakh on total State share	proposed amount in lakh
2025-26	Semi commercial Duck Unit with 1000 duck capacity in deep litter system	4.4	314	1.56	226.5

NB: - Higher targets are proposed to saturate the demand under the scheme. The financial outlay has been determined based on the Budget Estimates (BE) for the financial year 2025-26. Any additional funding requirements, if necessary, will be accommodated through supplementary budgetary provisions.

Time Frame

The project will be implemented during the year 2025-26.

Items	Quarter	2025-26											
		Apr il	Ma y	Ju ne	Jul y	Aug	Se pt	O ct	No v	De c	Ja n	Fe b	M ar
Submission of the application by beneficiary													
Initial field verification & feasibility report by BLIT													
Issue of Go-ahead Letter to the beneficiary by CDVO													
Shed construction (if opted for shed), bird induction and Intimation by Individual Beneficiary													
Asset verification by BLIT													
Grounding of units/Release of subsidy													

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Technical parameters:

- Straight run (unsexed) Khaki Campbell ducklings will be supplied assuming male female ratio as 50:50.
- Ducks will be reared in All in and all out system.
- The mortality of ducks will be average 5% during the period of rearing.
- Ducks will produce 250 eggs in first year of lay i.e. up to 72 weeks.
- Ducks will be reared in semi-intensive system and will be allowed to nearest water body for collecting food.
- Feed cost for 25 to 72 weeks (48 weeks) will be borne by the farmers from sale proceeds of egg and hence this has not been taken into expenditure component.
- It is proposed to make feed by using available ingredients like broken rice, maize, de oiled rice bran, maize, de-oiled rice bran, mineral mixture, salt, oil cake to minimize the price of feed .
- The male ducks at the age of 5-6 months will be sold.
- Supplementation of home grown materials like azolla, berseem, cow pea and other spinaches can reduce the feed cost.
- The female ducks will be maintained up to 1 ½ yrs. of age after which the total stock will be disposed for meat purpose.

Assumptions

Sl. No.	Particulars	Specification
1	Rearing System.	Semi-intensive in Deep Litter
2	Cost of day-old ducklings	Rs. 40/-
3	Mortality of ducks	Avg. 5%
4	Cost of homemade feed	Rs. 25/- for grower feed & Rs. 30/- for layer feed
5	Area per duck	2sq.ft. during laying
6	Duck pen and other construction	Rs 200/- per sqft.
7	Cost of equipment	Rs 5/- per duck
8	Cost of medicine and vaccine	Rs 5/- per duck per year
9	Sale of egg	Rs 7.00/- per egg
10	Cost of medicine, vaccine etc. / bird	Rs. 3/-

Project Cost of one Duck Unit (1000 duck capacity)

Sl No.	Particulars	Units	Unit Price	Total Amount In Rs
A	CAPITAL COST			
1	Construction of one brooder, Grower cum Laying Pen (Concrete flooring, wire netting and asbestos roofing) in square feet	1000 (Sqft.)	200	200000
2	Purchase of equipment	1000 in nos.	5	5000

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3	Electrification and other miscellaneous expenses		LS	5000
	TOTAL CAPITAL COST			2,10,000
B	RECURRING EXPENDITURE TO BE CAPITALISED			
Sl No.	Particulars	Units	Unit Price	Total Amount
1	Cost of ducklings	1000	40	40000
2	Cost of supplementary feed (0-8 wks) @ 2.240 kg per bird (40gm/ bird/day)	2240	30	67200
3	Supplementary grower Feed (9 – 12 weeks) @ 1.680 kg per bird (60 gm/bird/day)	1680	25	42000
4	Supplementary Layer Feed (13 – 24 weeks) @ 5.040 kg per bird (60 gm/day/ bird)	2520	30	75600
5	Vaccination and medicine	1000	3	3000
6	Contingent (Litter material, disinfectants etc.)			2200
	TOTAL			2,30,000
	TOTAL PROJECT COST			4,40,000

Receipt

Sl. No.	Particulars	Units	Unit Price	Total Amount
1	Sale of egg (@ Rs 7.00/- per egg (118750 eggs - 475 duck x 125 eggs in 1st year & 475 x125 in 2nd year up to 72 weeks (118750nos of egg & Deducting 2% cracked & soiled eggs)	116375	7.00	814625
2	Sale of culled male ducks @ Rs 200/- per bird (For 475 ducks excluding mortality)	475	200	95000
3	Sale of culled female ducks @ 175/- per bird (For 475 ducks excluding mortality)	475	175	83125
4	Sale of Gunny bags (@ Rs 3/- per bag)	500	3	1500
5	Sale of Litter @ 1000/- per tractor load	2	1000	2000
	TOTAL			9,96,250

Expenditure

Sl. No.	Recurring Expenses	Units	Unit Price In Rs.	Total Amount
1	First Year Recurring expenses capitalized			2,30,000
2	Cost of supplementary feeding of ducks during laying period per bird from 25th weeks upto 72 weeks @ 100gm per day x 48 wks x 7 x 500 birds	16800 Kg	30	5,04,000

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3	Other misc. Cost - electricity, water, disinfectant	LS		5,000
Total				7,39,000

Cost Benefit Analysis

Particulars	Amount (Rs.)
Expenditure for one batch	: 7,39,000
Return	: 9,96,250
Gross Profit in one batch (1.5 years)	: 2,57,250
Profit in a year	: 1,71,500
Profit in one month	: 14,291

Check list of the self Signed Documents to be attached by beneficiary & to be verified by concerned Veterinarian

(Put tick in the box for the documents attached)

Sl. No.	Documents	Submitted or not
1	Photocopy of QR Aadhar card	
2	Photocopy of Photo ID card	
3	Photocopy of Caste/ requisite certificate	
4	Photocopy of first page bank passbook	
5	Photocopy of differently able persons certificate	
6	Photocopy of certificate as identity for Transgender	

Annexure - I

Initial Field Verification Report by Block Level Inspection Team

We do hereby certify that the following individual proposed site for establishment of Semi- commercial duck units have been visited by us and found that the land records mentioned by the individual in their application form found to be correct. The proposed site does not violate pollution control norms.

Sl.	Name of the farmer	Address of the Layer unit	Bank finance/ Self finance	Whether opted for shed or not

LI/ VT/VSAS/ AVAS/BVO

**OFFICE OF THE CHIEF DISTRICT VETERINARY OFFICER,
[FARM_DISTRICT]**

GO-AHEAD LETTER

Letter No.: _____ valid up to: _____

Date: [CURRENT_DATE]

Smt./Sri [FARMER_NAME], Category [FARMER_CATEGORY], SO/DO/WO [FARMER_FATHER] is ALLOWED to setup a **Semi-Commercial Duck Farming under State Plan, 2025-26** in Plot No. Khata No. with an area of (ha.) in Village: [FARM_VILLAGE], GP: [FARM_GP], Block. [FARM_BLOCK], Dist.: [FARM_DISTRICT] which was verified/inspected by the Block level Inspection Team on dated [INSPECTION_DATE] and recommended your application.

Based on the recommendation Go-ahead is issued in your favour. You are entitled to receive a back ended subsidy up to a maximum of ----- % depending on the eligibility.

If opted for Shed	
If not opted for Shed	

The subsidy amount shall be released to your Aadhar linked bank account through DBT mode after due asset verification by the Block Level Inspection Team.

If optioned for shed, you are requested to complete the construction of Poultry Shed as per the specifications and induct one batch of day-old ducklings in your farm under the supervision & guidance of the local AVAS/VAS/BVO within 6 months on issue of this Go-Ahead Letter.

If not optioned for shed, you are requested to complete the induction of one batch of day-old ducklings in your farm under the supervision & guidance of the local AVAS/VAS/BVO within 1 month on issue of this Go-Ahead Letter.

After completion of each phase, you will intimate the local VAS/ AVAS/ BVO about completion with a request for asset verification on intimation in the prescribed format. You are requested to continue the scheme for minimum 3 years.

CDVO (District)

Format for Intimation by Beneficiary

To

The Block Veterinary Officer,

Sub: - Completion of Duck shed construction/ Stocking of ducks in my farm.

Sir/ Madam

As per the Go-Ahead letter no. -----dt-----received by me, I have completed, 1. Construction of duck shed /2. Stocking of ducks in my farm on dated -----.

Therefore, I request you to visit my farm for asset verification.

Yours faithfully,

(Name in Full)

Signature of the applicant

Mobile No. -

Address -

Annexure-IV**Asset verification report by Block Level Inspection Team**

1. Name of the individual with address:
2. Name of the scheme:
3. Year of implementation:
4. Name of the Block:
5. Construction of shed as per specification: Yes/ No
6. No. of ducks available on date of verification:
7. Source of Procurement of ducklings with date: Attach the receipt
8. Eligible amount of assistance:

Certified that the above particulars were collected at the doorstep of the individual during verification by the team. A geo-tagged photograph of the unit along with stocking of ducks and owner has been taken and enclosed for reference. The back ended subsidy may be released.

Signature of individual**Signature of the****Block Level Inspection Team**

Physical Target for Establishment of Semi commercial Duckery (1000 birds capacity) for FY 2025-26									
Sl. No.	District Name	No. of Blocks	Total No. of GP in the District	Physical target for 2025-26	SC	ST	Women	General Male	Total Physical target for 2025-26
1	ANGUL	8	225	8	2	1	2	3	8
2	BALANGIR	14	317	14	2	3	5	4	14
3	BALASORE	12	356	12	2	1	4	5	12
4	BARGARH	12	253	12	2	2	4	4	12
5	BHADRAK	7	218	7	2	0	3	2	7
6	BOUDH	3	69	3	1	0	1	1	3
7	CUTTACK	14	373	14	3	0	6	5	14
8	DEOGARH	3	70	3	1	1	0	1	3
9	DHENKANAL	8	212	8	2	1	3	2	8
10	GAJAPATI	7	149	7	0	3	2	2	7
11	GANJAM	22	503	22	3	1	9	9	22
12	JAGATSINGHAPUR	8	198	8	2	0	3	3	8
13	JAYPUR	10	311	10	2	1	4	3	10
14	JHARSUGUDA	5	78	5	1	2	1	1	5
15	KALAHANDI	13	310	13	2	4	4	3	13
16	KANDHAMAL	12	171	12	2	4	3	3	12
17	KENDRAPARA	9	249	9	2	0	3	4	9
18	KEONJHAR	13	297	13	2	6	3	2	13
19	KHURDHA	10	190	10	1	1	4	4	10
20	KORAPUT	14	240	14	2	7	2	3	14
21	MALKANGIRI	7	111	7	2	4	0	1	7
22	MAYURBHANJ	26	404	26	2	8	8	8	26
23	NABARANGPUR	10	189	10	1	5	2	2	10
24	NAYAGARH	8	194	8	1	0	4	3	8
25	NUAPADA	5	131	5	1	2	1	1	5
26	PURI	11	268	11	2	0	4	5	11
27	RAYAGADA	11	182	11	2	4	3	2	11
28	SAMBALPUR	9	138	9	2	3	2	2	9
29	SONEPUR	6	109	6	2	1	1	2	6
30	SUNDARGARH	17	279	17	2	7	4	4	17
	Total	314	6794	314	53	72	95	94	314

NB:

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1. The target can be interchangeable among the reserved category.
2. In case of non availability of beneficiary in reserved category, then the target can be interchangeable with the General category.
3. Beneficiaries will be selected on first cum first serve basis.