

Terms of Reference for Internal Evaluation of Assistance to inland water fishermen for purchase of fishery requisite kits in Karnataka

1. Title of the study:

The study is titled "*Evaluation of the scheme of Assistance to inland water fishermen for purchase of fishery requisite kits in Karnataka*".

2. Department implementing scheme:

The department of Fisheries of the Government of Karnataka implements the scheme.

3. Background:

In Karnataka state, inland fisheries have become an important employment generating enterprise in the recent years. The State has 5.20 lakh hectares of water spread area which is used for inland fisheries and about 1.39 lakh of the total 6.33 lakh inland fishermen are actively involved in fisheries activities.

The Department of fisheries has taken many initiatives to increase the State inland water fish production and started many programmes for increasing employment opportunities. The major programmes initiated under inland fisheries development includes assistance for construction fish ponds, stocking of grass carp seed, construction of ponds in water logged areas, development of fish sanctuaries and intensive fish culture development through Fish Farmer Development Agencies (FFDA). Because of these programmes, the State inland water fish production is increasing considerably. It is felt, inland water fishermen, should be assisted in purchase of nets and other fishing requisites are necessary.

In order to purchase the nets and other fishery requisites, fishermen buy it through private lenders by paying more prices; and they lose nets and other fishery requisites very often due to floods in river and reservoirs. To overcome this, the Government of Karnataka started a new scheme from the year 2009-10 titled "*Assistance to inland water fishermen for purchase of fishery requisites kits*".

Under this scheme traditional fishermen in coastal and as well as inland regions are provided with fishery requisites like net, coracle, plastic crates and other requisites from a cafeteria of basket of 53 items constituting the kit. The unit cost of the scheme [value of requisites the beneficiary fisher person can opt for amongst the basket of 53 items is Rs.5000 (until 2012-13)]. Kits are supplied with 100% subsidy. This benefit is given once in three years. The unit cost of these kits has been increased to Rs.10, 000 from the year 2013-14.

Conditions for availing the facility of fisheries kit from the department: The following conditions, prescribed by the Annexure to the Government of Karnataka order no.Va.Sam.Me. 105 Me.E.Yo 2009 dated 16th July 2009 when satisfied by a fisher folk, make him/her eligible for receiving assistance, namely-

1. The beneficiary should be actively involved in fish catching profession,
2. Besides being involved in fishing profession, he/she should be the member of fisheries co-operative Society, at least for 3 years, and,
3. The beneficiary should possess the fishing license for inland and/or reservoir fishing for at least 3 years.

Procedure for sanction of the benefit:

1. Applications received for subsidy are scrutinised by the taluk officer of fisheries department and sent to the District Officer of fisheries after certifying that the details provided are correct. This is done within a week after the receipt of applications.
2. The District Officer of fisheries department verifies the contents of the application again and sends proposals to the Deputy Director of fisheries.
3. The power for sanction of the benefit is vested with the Deputy Directors of the concerned zones. He/she sanctions the kits to eligible beneficiaries limited to the funds available.
4. The nets and other requisites are purchased following the prescribed procedure by the taluk officer of fisheries and distributed to beneficiaries in a public function arranged with elected representatives.
5. The monitoring is done by the head office for ensuring proper utilisation of the benefits given.

The details of the year wise budget and expenditure is given below
(Rs. in lakhs)

Sl. No.	Year	Budget (Rs. Lakhs)	Expenditure (Rs. Lakhs)	Fish production (lakh metric tonnes)			Beneficiaries of the scheme being evaluated
				Marine	Inland	Total	
1	2009-10	50.00	48.21	2.49	1.59	4.08	964
2	2010-11	50.00	40.78	3.41	1.86	5.27	815
3	2011-12	450.00	448.68	3.47	1.99	5.46	8973
4	2012-13	450.00	448.63	3.57	1.68	5.25	8972
5	2013-14	370.00	368.38	3.57	1.97	5.54	3683

The details of inland fisheries resources in Karnataka are as follows:

Type	Area/Length
Major Tanks	2.40 lakh hectares
Minor Tanks	0.53 lakh hectares
Reservoir	2.72 lakh hectares
Rivers	5813 km
Canals	3187 km
Brackish water areas	0.08 lakh hectares
Production/ potential	4.02. lakh MT

The Fisheries zone wise/district wise number of tanks and water storage area of tanks/reservoirs/rivers and list of basket of 53 items from which items, worth Rs 10000 is given to beneficiaries are enclosed in ***Annexure-I and II respectively in the ToR.***

4. Evaluation Scope and Purpose:

The scope of the study is 27 districts for inland fisheries and 3 coastal districts for marine fisheries. The purpose of the study is:

- To understand the overall success of the scheme.
- To evaluate the process of implementation of the entire scheme,

- c. To study the organizational and administrative problems and loopholes if any in the effective implementation of the programme.
- d. To assess the impact of the programme on employment, earnings and levels of the fishermen.
- e. Modifications/improvements if any in the scheme for the benefit of fishermen.
- f. Overall impact of the programme on the inland fish production of Karnataka.

5. Evaluation Questions (inclusive not exhaustive):

List of primary questions should be answered during evaluation.

1. Has the selection of beneficiaries been in accordance with the Annexure to the Government of Karnataka order no. Va.Sam.Me. 105 Me.E.Yo 2009 dated 16th July 2009 cited above? If there have been deviations, what is the extent of these (say as a percentage of total beneficiaries selected in the year in the district/State)? What suggestions can be given to the department to prevent this?
2. What are the criteria for selection of beneficiaries in this scheme? Are the criteria transparent, fair and acceptable? In case there is no criteria at all, or if any criterion is not fair etc., what could be the proposed criteria to be given to the department?
3. What is the opinion of the beneficiaries about the quality and utility of the basket of 53 items forming the kit from which they are to choose the items they want?
4. Are all the individual items of the basket of 53 items available every year in every district in sufficient numbers for the beneficiaries to choose from?
5. Is there any kind of pressure on the beneficiary, by design or default, to choose only certain items amongst the basket of 53 items for his/her kit? If yes, in case of which items and why? Please suggest measures to remove this.
6. What items within the basket of 53 items are preferred and taken by the first time beneficiary? What items within the basket of 53 items are preferred and taken by the other than first time beneficiary? If these are different, what are the differences and why?
7. Are there any redundant or least preferred items in the basket of 53 items which need to be done away with? Which are these?

8. Does the scheme help the beneficiary in a way other than reducing his fishing kit cost? If yes, what are those?
9. What is the cost of the complete kit a fisher person has to have for fishing in the inland waters of small ponds, tanks, reservoirs and flowing water bodies (for each case separately)? By what quantum of this does the scheme supplied kit reduce the cost? Is this sufficient and desirable?
10. Has the scheme helped to enhance the frequency of fishing or catch per effort or the annual catch made by the beneficiary or any enhancement in the earnings and socio-economic conditions of the beneficiary? [The perceived enhancement may be reported since figures before implementing the scheme are not available]
11. Is there a need to provide assistance to a beneficiary after three years of the first assistance as provided in the scheme? Particularly, when there may be many who are not covered for the first time assistance itself.
12. Is the scheme empowering the beneficiary or making him/her less confident and more dependent on the assistance of the government thereby disempowering him/her? Should the scheme be recommended for continuation on the finding of this question?
13. What factors have contributed for not achieving the intended outputs of the scheme, if any?
14. What are the recommendations (not inconsistent with the answer to the second part of question 12 above) regarding the continuation of the scheme, and if recommended to be continued, for the improvement of the scheme?

6. Sampling and Evaluation Methodology:

The evaluation should be done by personal interviews/focused Group Discussions (FGD) of sampled beneficiaries (sampling is detailed later) and officers/officials of fisheries department and Fisheries co-operative societies. The evaluation should have at least 10% of the sampled beneficiaries spoken to through personal interviews, irrespective of how useful and intensive the FGDs are-

The sampling intensity and size would be as follows-

Sl.no	Year	Total Beneficiaries	Sample Size in	Sample percentage
1	2009-10	964	48	5
2	2010-11	815	41	5
3	2011-12	8973	359	2.5
4	2012-13	8972	359	2.5
5	2013-14	3863	155	2.5
	TOTAL	23587	962	4.07

The sampling intensity has been kept low because the beneficiary population is quite homogenous (social status, economic status, education etc being quite uniform).

It is emphasized that of the 359 selected for 2011-12 and 2012-13 years, 100 beneficiaries in each year, should be the ones who have been selected for the benefit for the second time. This will provide the study an insight into what components of the basket of 53 items fisheries kit are preferred/ taken by repeat beneficiaries. Only in the event and to the extent of these 100 beneficiaries for each year not being available/locatable, current year first time beneficiaries should be included in the sample.

The year wise the suggested break up of beneficiaries will be as follows-

Sl. No	Year	Total Beneficiaries in sample	Suggested Break up of Beneficiaries for			
			Inland River and Canals	Departmental & Grama Panchyath Tanks	Reservoirs	Rivers and Canals
1	2009-10	48	14	16	14	04
2	2010-11	41	11	15	13	02
3	2011-12	359*	100	108	100	49
4	2012-13	359*	100	108	100	49
5	2013-14	155	30	45	45	25

** includes 100 second or more time beneficiaries.*

And in accordance with the tenets of sample being a true representative of population, the inland beneficiaries should be taken from five fisheries zones (Bangalore, Shimoga, Belgaum, Mysore and Bellary) with the sixth zone, namely Uttarkannada, consisting of only one district, being selected in two years.

7. Qualifications of the consultants and method of selection:

Consultant Evaluation Organizations should have and provide details of evaluation team members having minimum technical qualifications/capability as below-

- i. B.F.Sc with 5 years' experience in related field,
- ii. Sociologist, and,
- iii. Research assistant/Statistician.

Consultant Evaluation Organizations not having these kind of personnel will not be considered as competent for evaluation.

8. Deliverables and time schedule:

The Director of Fisheries will provide the guidelines of the scheme and details on process of sanctions etc. which are available at the head office level and issue necessary instructions to the concerned Deputy Directors of Fisheries/Taluk level officers of the department to provide the details required to the consultant organisation and co-operate in completion of the study in the stipulated time. It is expected to complete the study in 5 months time, excluding the time taken for approval. The evaluating agency is expected to adhere to the following timelines and deliverables.

The Consultant Evaluation Organization should complete the study in 5 months time, excluding the time taken for approval. They are expected to adhere to the following timelines and deliverables or be quicker than the follows.

- | | |
|----------------------------|--|
| a. Work plan submission | : One month after signing the agreement. |
| b. Field Data Collection | : One months from date of Work
Plan Approval. |
| c. Draft report Submission | : Two month after field data collection. |
| d. Final Report Submission | : One month from draft report approval. |
| e. Total duration | : 5 months. |

9. Qualities Expected from the Evaluation Report:

The following are the points, only inclusive and not exhaustive, which need to be mandatorily followed in the preparation of evaluation report:-

1. By the very look of the evaluation report it should be evident that the study is that of the Director of Fisheries Department and Karnataka Evaluation Authority (KEA) which has been done by the Consultant. It should not intend to convey that the study was the initiative and work of the Consultant, merely financed by the Director of Fisheries Department.
2. Evaluation is a serious professional task and its presentation should exhibit it accordingly.
3. The Terms of Reference (ToR) of the study should form the first Appendix or Addenda of the report.
4. The results should first correspond to the ToR. In the results chapter, each question of the ToR should be answered. It is only after all questions framed in the ToR are answered, that results over and above these can detailed.
5. In the matter of recommendations, the number of recommendations is no measure of the quality of evaluation. Evaluation has to be done with a purpose to be practicable to implement the recommendations. It is desirable to make recommendations in the report as follows:-

(A) **Short Term practicable recommendations**

These may not be more than five in number. These should be such that they can be acted upon without major policy changes and expenditure, and within (say) a year or so.

(B) **Long Term practicable recommendations**

These may not be more than ten in number. These should be such that they can be implemented in the next four to five financial years, or with sizeable expenditure, or both but does not involve policy changes.

(C) **Recommendations requiring change in policy**

These are those which will need a lot of time, resources and procedure to implement.

10. Cost and schedule of budget releases:

Output based budget release will be as follows-

- a. The **first instalment** of Consultation fee amounting to 30% of the total fee shall be payable as advance to the Consultant after the approval of the inception report, but only on execution of a bank guarantee of a scheduled nationalized bank, valid for a period of at least 12 months from the date of issuance of advance.
- b. The **second instalment** of Consultation fee amounting to 50% of the total fee shall be payable to the Consultant after the approval of the Draft report.
- c. The **third and final instalment** of Consultation fee amounting to 20% of the total fee shall be payable to the Consultant after the receipt of the hard and soft copies of the final report in such format and number as prescribed in the agreement, along with all original documents containing primary and secondary data, processed data outputs, study report and soft copies of all literature used in the final report.

Taxes will be deducted from each payment, as per rates in force. In addition, the evaluating agency/consultant is expected to pay service tax at their end.

11. Selection of Consultant Agency for Evaluation:

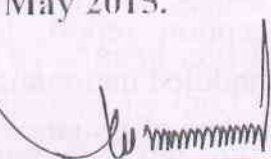
The selection of evaluation agency should be finalized as per provisions of KTPP Act and rules without compromising on the quality.

12. Contact person for further details:

Sri. H.S.VeerappaGowda, Director of Fisheries Department, 3rdFloor, Podium Block, Sir.M.VisveswarayaTower, Dr. B.R.Ambedkar Veedhi, Bangalore-01. Land Line Ph.: 22864681, Dr. N.R.Ramakrishna, Joint Director, (Inland Fisheries) Ph: 22864635&Mobile: 9980506657, will be the contact persons for giving information and details for this study.

The entire process of evaluation shall be subject to and conform to the letter and spirit of the contents of the Government of Karnataka Order no. PD/8/EVN (2)/2011 dated 11th July 2011 and orders made there under.

The Terms of Reference were approved by the Technical Committee of KEA in its 18th Meeting held on 04th May 2015.


Chief Evaluation Officer 13/05/15
Karnataka Evaluation Authority

(B.K. Dikshit)
Chief Evaluation Officer
KARNATAKA EVALUATION AUTHORITY

Annexure I

Fisheries Zone wise/District wise number of tanks and water storage area in tanks/reservoirs/rivers

Sl No.	Fisheries Zones	District	Water Resource Type							
			Departmental Tanks		Gram Panchayath Tanks		Reservoirs		Rivers	
			Total Tanks	WSA (in Hec)	Total Tanks	WSA (in Hec)	Total Tanks	WSA (in Hec)	Total Tanks	Length (in Km)
1	Bangalore	Bangalore	101	6068.31	0	0.00	0	0.00	8	42
2		Chikkaballapura	215	11498.23	0	0.00	0	0.00	0	0
3		Bangalore (Urban)	164	5437.26	0	0.00	2	2322.00	0	0
4		Kolar	135	11195.21	0	0.00	2	472.00	0	0
5		Ramanagara	100	4027.71	0	0.00	4	1857.98	0	0
6		Tumkur	400	31367.81	0	0.00	4	3078.00	0	0
7		Total	1115	69594.53	0	0.00	12	7729.98	8	42
7	Shimoga	Shimoga	449	5654.92	2	42.00	6	34662.00	5	194
8		Chikkamagalur	84	4360.93	0	0.00	2	11634.00	0	0
9		Chitradurga	175	18248.79	0	0.00	3	9753.00	3	2.75
10		Davangere	123	7338.37	0	0.00	2	3297.50	7	118
11	Total		831	35603.01	2	42.00	13	59346.50	15	314.75
11	Balgavi	Balgavi	219	3399.32	0	0.00	5	22922.00	7	219
12		Vijayapura	154	5713.58	0	0.00	2	61993.00	8	148
13		Dharwad	123	1721.79	0	0.00	1	490.00	0	0
14		Gadag	30	1506.88	0	0.00	0	0.00	0	0
15		Haveri	193	5443.32	0	0.00	1	183.00	16	165
16		Bagalkote	42	1988.52	0	0.00	0	0.00	0	0
17	Total		761	19773.41	0	0.00	9	85588.00	31	532

17	Mysore	Mysore	100	4144.11	0	0.00	3	8585.00	7	127
18		Hasan	166	9489.28	0	0.00	3	11657.94	3	67
19		Kodagu	14	64.06	8	10.02	2	1991.00	9	137
20		Mandya	178	11489.96	0	0.00	4	13114.00	24	230.5
21		Chamarajnagar	92	5645.60	0	0.00	3	885.00	5	76.1
22	Total		550	30833.01	8	10.02	15	36232.94	48	637.6
22	Bellary	Bellary	74	7336.31	11	493.37	3	39303.00	1	93
23		Bidar	92	2295.62	0	0.00	3	6687.00	0	0
24		Raichur	79	2944.35	0	0.00	3	665.00	9	220
25		Gulbarga	81	3181.21	0	0.00	6	3990.30	9	374
26		Yadgiri	78	2753.37	4	151.45	2	245.20	16	522
27		Koppal	49	2224.52	0	0.00	5	1643.00	3	60
28	Total		453	20735.38	15	644.82	22	52533.50	38	1269
28	Uttar Kannada	Karwar	86	1133.39	0	0.00	4	18039.00	3	50
29	Total		86	1133.39	0	0.00	4	18039.00	3	50
	Grand Total		3796	177672.73	25	696.84	75	259469.92	143	2845.35

ANNEXURE - II

SCHEDULE OF REQUIREMENTS AND SPECIFICATIONS OF ITEMS OF FISHERIES KIT

Code	Group Name	Item	Specification	Unit
COR-01	CORACLE	Bamboo Coracle with Wooden Oar	9 ft. diameter, Made of good quality Bamboo splits with double axel, plastic bag covered and bitumen coated water proof, Oar Made of single plank 5 foot long	NOS
COR-02	CORACLE	Fibre Glass-Coracle	6 ft. diameter, height 1.5 ft. Inner spider reinforcement 1.5" X6 Nos. Inner metal rings 1" at 4 places. Coracle lifting ring a metal flat with ring at centre -2 places. Material 100% fibre glass. Product colour Dark/light blue. Product thickness 5-6 mm. Product weight 35 kg. Oars handle height 4.5 ft. Base bottom-1 ft. PVC and Fibre thickness 3mm. weight-2kg. Oars inner reinforcement 1" dia. PVC with coloured pigments.	NOS
COR-03	CORACLE	Fibre Glass-Coracle	7 ft. diameter, height 1.5 ft. Inner spider reinforcement 1.5" X8 Nos. Inner metal rings 1" at 4 places. Coracle lifting ring a metal flat with ring at centre -2 places. Material 100% fibre glass. Product colour Dark/light blue. Product thickness 5-6 mm. Product weight 45 kg. Oars handle height 4.5 ft. Base bottom-1 ft. PVC and Fibre thickness 3mm. weight-2kg. Oars inner reinforcement 1" dia. PVC with coloured pigments.	NOS
COR-04	CORACLE	Fibre Glass-Coracle	7.5 ft. diameter, height 1.5 ft. Inner spider reinforcement 1.5" X8 Nos. Inner metal rings 1" at 4 places. Coracle lifting ring a metal flat with ring at centre -2 places. Material 100% fibre glass. Product colour Dark /light blue. Product thickness 5-6 mm. Product weight 55 kg. Oars handle height 4.5 ft. Base bottom-1 ft. PVC and Fibre thickness 3mm. weight-2kg. Oars inner reinforcement 1" dia. PVC with coloured pigments.	NOS

Code	Group Name	Item	Specification	Unit
BIC-01	MKT-Implements	Bicycle	ISO certified 22" Height, Full Gear Case, Bell, Lock, Bumper, Seat with cover, Carrier and Stand all fitted.	NOS
IIB-01	MKT-Implements	Insulated Moulded Ice box	ISI certified 50 litres capacity. Wall thickness of body minimum 2.5mm, Wall thickness of lid Minimum.2.2mm, Puf thickness for body minimum. 32mm, lid thickness min.30mm.Weight of the insulated box should not be less than 7.5 Kg with 2 years warranty.	NOS
WS-01	MKT-Implements	Iron Weighing Scale	Approved from Weights and Measures Department. 5 KG weighing capacity, along with 2 kg, 1 kg, 500 g, 200g, 100 g and 50 g weighing butts	NOS
PLC-01	MKT-Implements	Plastic crate	ISO certified 650mmX450mmX325 mm (I.BD) approx. 4.0 kg weighing Corner Double wall Heavy Duty Crate closed type	NOS
NET-01	NETS & ACC.	Cast net	Code No 0.15, Mesh size 9mm to 600mm,20MD to 400MD.	NOS
NET-02	NETS &	Floats	30 X 60mm PVC	NOS
NET-03	NETS &	Floats	60X50mm PVC	NOS
NET-04	NETS & ACC.	Sinkers	2 mm Thick lead	KG
NET-05	NETS & ACC.	Nylon dragnet	Code No 1/3, Mesh size 20 mm, Depth 4 meter. Double knot and Double selvage.	KG
NET-06	NETS & ACC.	Nylon dragnet	Code No 2/3, Mesh size 25 mm , Depth 4 Meter,Double knot and Double selvage.	KG
NET-07	NETS & ACC.	Nylon dragnet	Code No 2/3, Mesh size 40 mm, Depth 4 meter,Double knot and Double selvage.	KG
NET-08	NETS & ACC.	Nylon dragnet	Code No 0.28, Mesh size 200 mm, ,35 Knots deeper nylon, Double knot and	KG

Code	Group Name	Item	Specification	Unit
			Double selvage.	
NET-09	NETS & ACC.	Nylon bottom rope	HDPE 2mm thick	KG
NET-10	NETS & ACC.	Nylon Head Rope	5/3 Ply	KG
NET-11	NETS & ACC.	Nylon Head Rope	6/3 Ply	KG
NET-12	NETS & ACC.	Nylon monofilament net	Code no 0, Mesh size 24 mm 100MD	KG
NET-13	NETS & ACC.	Nylon monofilament net	Code no 0, Mesh size 25 mm, 100MD, Double knot and Double selvage.	KG
NET-14	NETS & ACC.	Nylon monofilament net	Code no 0.16, Mesh size 115 mm, 40MD, Double knot and Double selvage.	KG
NET-15	NETS & ACC.	Nylon monofilament net	Code no 0.16, Mesh size 25 mm, 100MD, Double knot and Double selvage.	KG
NET-16	NETS & ACC.	Nylon monofilament net	Code no 0.16, Mesh size 38 mm, 100MD, Double knot and Double selvage.	KG
NET-17	NETS & ACC.	Nylon monofilament net	Code no 0.16, Mesh size 46 mm 100MD, Double knot and Double selvage.	KG
NET-18	NETS & ACC.	Nylon monofilament net	Code no 0.16, Mesh size 48 mm, 100MD, Double knot and Double selvage.	KG
NET-19	NETS & ACC.	Nylon monofilament net	Code no 0.16, Mesh size 50mm, 100MD, Double knot and Double selvage.	KG

Code	Group Name	Item	Specification	Unit
NET-20	NETS & ACC.	Nylon monofilament net	Code no 0.16, Mesh size 80 mm, 40 MD, Double knot and Double selvage.	KG
NET-21	NETS & ACC.	Nylon monofilament net	Code no 0.18, Mesh size 100 mm, 50 MD, Double knot and Double selvage.	KG
NET-22	NETS & ACC.	Nylon monofilament net	Code no 0.20, Mesh size 115mm, 40MD, Double knot and Double selvage.	KG
NET-23	NETS & ACC.	Nylon monofilament net	Code no 0.20, Mesh size 50mm, 75 MD, Double knot and Double selvage.	KG
NET-24	NETS & ACC.	Nylon monofilament net	Code no 0.20, Mesh size 52mm, 75 MD, Double knot and Double selvage.	KG
NET-25	NETS & ACC.	Nylon monofilament net	Code no 0.22, Mesh size 150 mm, 40MD, Double knot and Double selvage.	KG
NET-26	NETS & ACC.	Nylon monofilament net	Code no 0.23, Mesh size 110 mm, 40 MD, Double knot and Double selvage.	KG
NET-27	NETS & ACC.	Nylon monofilament net	Code no 0.23, Mesh size 116 mm, 40MD, Double knot and Double selvage.	KG
NET-28	NETS & ACC.	Nylon monofilament net	Code no 0.23, Mesh size 150 mm 40MD, Double knot and Double selvage.	KG
NET-29	NETS & ACC.	Nylon monofilament net	Code no 0.23, Mesh size 160 mm, 35MD, Double knot and Double selvage.	KG
NET-30	NETS & ACC.	Nylon monofilament	Code no 0.23, Mesh size 110 mm, 40 MD, Double knot and Double selvage.	KG

Code	Group Name	Item	Specification	Unit
		net		
NET-31	NETS & ACC.	Nylon monofilament net	Code no 0.23, Mesh size 130 mm, 40 MD, Double knot and Double selvage.	KG
NET-32	NETS & ACC.	Nylon monofilament net	Code no 0.23, Mesh size 150 mm, 40 MD, Double knot and Double selvage.	KG
NET-33	NETS & ACC.	Nylon monofilament net	Code no 0.28 Mesh size 100 mm, 40 MD, Double knot and Double selvage.	KG
NET-34	NETS & ACC.	Nylon monofilament net	Code no 0.28 Mesh size 150 mm, 40 MD, Double knot and Double selvage.	KG
NET-35	NETS & ACC.	Nylon monofilament	Code no 0.28, Mesh size 150 mm, 40 MD, Double knot and Double selvage.	KG
NET-36	NETS & ACC.	Nylon Mono-Filament Gill Net	Code No 0.28, Mesh size 200 mm, 40 MD, Double knot and Double selvage.	KG
NET-37	NETS & ACC.	Nylon Mono-Filament Net	Code No 28, Mesh size 250 mm 40 MD, Double knot and Double selvage.	KG
NET-38	NETS & ACC.	Nylon Mono-Filament Net	Code No 28, Mesh size 300 mm, 40 MD, Double knot and Double selvage.	KG
NET-39	NETS & ACC.	Nylon Mono-Filament Net	Code No 0.16, Mesh size 80 mm, 40 MD, Double knot and Double selvage.	KG
NET-40	NETS & ACC.	Nylon multi filament net	Code no ½", Mesh size 80 mm, 50 MD, Double knot and Double selvage.	KG
NET-41	NETS & ACC.	Nylon Multi-Filament Net	Code No ½", Mesh Size 1½", 50 MD, Double knot and Double selvage.	KG
NET-42	NETS & ACC.	Nylon Multi-Filament Net	Code No ½", Mesh Size 3", 50 MD, Double knot and Double selvage.	KG

Code	Group Name	Item	Specification	Unit
NET-43	NETS & ACC.	Nylon Multi-Filament Net	Code No 1/3" Mesh Size 2", 50 MD, Double knot and Double selvage.	KG
NET-44	NETS & ACC.	Nylon Multi-Filament Net	Code No 1/3" Mesh Size 3 1/3" 50 MD, Double knot and Double selvage.	KG
NET-45	NETS & ACC.	Nylon Multi-Filament Net	Code No 2/3", Mesh Size 2 1/2," 50 MD ,Double knot and Double selvage.	KG
NET-46	NETS & ACC.	Nylon Multi-Filament Net	Code No 2/3", Mesh Size 4", 50 MD, Double knot and Double selvage.	KG
NET-47	NETS & ACC.	Nylon twine	2/3 ply	KG
NET-48	NETS & ACC.	Nylon Mono-Filament Net	Code no 0.16, Mesh size 48mm, 150 MD	KG
LJ-1	NETS & ACC.	Life Jacket	IRS and SOLAS Approved. Colour: Highvisibility Orange colour fabric Size 68x37x10 cms .Floatability 16.5 kg +. Accessory: Whistle.Shelflife:5 years, Adjustable buckle with velcrofitment .	NOS
LJ-2	NETS & ACC.	Life Jacket	IRS and SOLAS Approved. Colour: High visibility Orange colour fabric.Size ----- cms .Floatability 16.5 kg +. Accessory :Whistle.Shelflife: 5 years, Adjustable buckle with velcrofitment .	NOS
B-1	NETS & ACC.	Fibre Glass Boat	Boat length 15.5 ft, Width 2.5 ft, Height 1.5 ft fitted with 1 ft fibre box at back and fixing 2 foreribs	NOS