# PROFORMA FOR PREPARATION OF ANNUAL REPORT (January-2020-December-2020)

# **APR SUMMARY**

(Note: While preparing summary, please don't add or delete any row or columns)

#### 1. Training Programmes

Clientele	No. of Courses	Male	Female	Total participants
Farmers & farm women	20	289	159	448
Rural youths	2	50	-	50
Extension functionaries	2	-	59	59
Sponsored Training	5	120	5	125
Vocational Training	5	82	26	108
Total	34	541	249	790

#### 2. Frontline demonstrations

Enterprise	No. of Farmers	Area (ha)	Units/Animals
Oilseeds	125	50	-
Pulses	50	20	-
Vegetables	10	0.2	-
Other Crops (Pearl Millet)	4	1.0	-
Total	189	71.2	-
Other enterprises(Kitchen Garden)	9	0.18	9
Total	9	0.18	9
Grand Total	198	71.38	9

#### 3. Technology Assessment

Category	No. of Technology	No. of Trials	No. of Farmers
Technology Assessed	Assesseu		
Termology Assessed			
Crops(Wheat &Mustard)	2	13	13
Vegetables (Okra, Cauliflower)	2	8	8
Various enterprises(Aonla,	1	10	10
Beetroot & Aonla)			
Total	5	31	31

#### 4. Extension Programmes

Category	No. of Programmes	Total Participants
Extension activities	441	4308
Other extension activities	14	283
Total	455	<b>4591</b>

# 5. Mobile Advisory Services

	Type of Messages							
Message Type	Сгор	Livestock	Weather	Marketing	Aware- ness	Other enterprise	Total	
Text only	25	-	-	-	1	3	29	
Text only (Whats App Group)	100	-	40	5	10	-	155	
Voice only	-	-	-	-	-	-	-	
Voice & Text both	-	-	-	-	-	-	-	
Total Messages	25	-	-	-	1	3	29	
Total farmers Benefitted	15580	-	-	-	1466	4014	21060	

# 6. Seed & Planting Material Production

	Quintal/Number	Value (Rs.)
Seed (wheat, mustard & palak) (q)	156.8	615370/-
Planting material (No.)	12977	25954/-
Bio-Products (kg) (Vermicompost )	71.66	107490/-

# 7. Soil, water & plant Analysis

Samples	No. of Beneficiaries	Value Rs.
Soil	270	-
Water	105	-
Plant	74	-
Total	449	

#### 8. HRD and Publications

Sr. No.	Category	Number
1	Workshops	4
2	Conferences	8
3	Meetings	10
4	Trainings for KVK officials	6
5	Visits of KVK officials	5
6	Book published	1
7	Training Manual	2
8	Book chapters	2
9	Research papers	5
10	Lead papers	1
11	Seminar papers	2
12	Extension folder	8
13	Proceedings	3
14	Award & recognition	1
15	On going research projects	8

#### **DETAIL REPORT OF APR-2020**

# 1. GENERAL INFORMATION ABOUT THE KVK

#### 1.1. Name and address of KVK with phone, fax and e-mail

Address	Telep	hone	E mail	Website
Krishi Vigyan Kendra,	Office	FAX	kvkujwa@yahoo.com	www.kvkdelhi.org
Nafed Complex, Village &	9667971155	011-28525129		
Post -Ujwa, Nazafgarh,				
New Delhi - 110073				

#### 1.2 .a. Name and address of host organization with phone, fax and e-mail

Address	Tele	phone	E mail	Website
	Office	FAX		
National Horticultural Research &	011-28522211,	011-28525129	delhi@nhrdf.com	www.nhrdf.org
Development Foundation (NHRDF),	28524150			
47, Pankha Road Institutional Area,				
Janakpuri, New Delhi, Pin: 110058				

1.2.b. Status of KVK website : Yes

- 1.2.c. No. of Visitors (Hits) to your KVK website (as on 30/01/2021): 430934
- 1.2.d Status of ICT lab at your KVK :Yes

### 1.3. Name of the Sr Scientist & Head with phone & mobile no.

Name	Telephone / Contact					
Dr D V Curto	Office	Mobile	Email			
DI F.K. Oupia	9667971155	8888867619	headkvkujwa@gmail.com			

1.4. Year of sanction: 1995

# 1.5. Staff Position (as on 1 January, 2020)

Sl. No.	Sanction ed post	Name of the incumbe	Designat ion	Disciplin e	ray Scale	Grade Pav	basic	Date of joining	ent /Temnor	y (SC/ST/	Mobile No.	Email id	Please attach recent
1	Sr Scientist & Head	Dr P.K. Gupta	Sr Scientist & Head	Horticultui e	37400- 67000	9000	41720 +9000	28.02.17	Per.	Gen	8888867619	kvkujwa@ yahoo.com	
2	Subject Matter Specialist	Ritu Singh	SMS	Home Science	15600- 39100	5400	27370 +5400	10.02.05	-do-	Gen	9818550652	-do-	
3	Subject Matter Specialist	Rakesh Kumar	SMS	Horticultur e	15600- 39100	5400	27370 + 5400	22.09.05	-do-	Gen	9313047633	-do-	Q.
4	Subject Matter Specialist	Dr. D. K. Rana	SMS	Plant Protection	15600- 39100	5400	22850 +5400	5.05. 10	-do-	Gen	9310904705	-do-	
5	Subject Matter Specialist	Dr Samar Pal Singh	SMS	Agronom y	15600- 39100	5400	16230 + 5400	25.05.18	-do-	Gen	8650399054	-do-	
6	Subject Matter Specialist	Sh Kailash	SMS	Agricultur e Extension	15600- 39100	5400	16230 + 5400	27.06.18	-do-	Gen	9413060922	-do-	Q
7	Subject Matter Specialist	Vacant	SMS	Agro- Meteorolo gy									
8	Subject Matter Specialist	Vacant	SMS	Animal Husbandr y		•	•		•			**************************************	
9	Program me Assistant	Brijesh Yadav	РА	Soil Science	9300- 34800	4200	11940 + 4200	17.02.14	-do-	Gen	7065787046	-do-	
10	Computer Program mer	Manju	РА	Computer Science	9300- 34800	4200	15100 +4200	2.05.08	-do-	Gen	9718666917	-do-	A
11	Farm Manager	Ram Sagar	Farm Manager	Agricultur e	9300- 34800	4200	9300+ 4200	1.03. 19	-do-	Gen	8953751501	-do-	
12	Accounta nt / Superinte ndent	V. K. Dixit	Office Superinten dent Cum Accountant	Administr ation	9300- 34800	4200	21660 + 4200	21.10.05	-do-	Gen	9911395569	-do-	
13	Agromet Observer	Vishal	Agromet Observer	Agromet Observer	5200- 20200	2000	6460+ 2000	1.3.2019	-do-	Gen	9466803902	-do-	

13	Stenograp her	Atma Ram	Store Keeper	Administr ation	5200- 20200	1900	10300 +1900	10.02.05	-do-	Gen	9013553955	-do-	
14	Driver	Rajesh Kumar	Driver	Jeep Driver	5200- 20200	1900	10290 + 1900	02.02.05	-do-	Gen	9899426775	-do-	
15	Driver	Krishan	Driver	Tractor Driver	5200- 20200	1900	9190+ 1900	02.05.08	-do-	Gen	8506920345	-do-	
16	Supportin g staff	Ramesh Chander	Attendant	Administr ation	4440- 7440	1800	8270+ 1800	10.02.05	-do-	Gen	9560290407	-do-	0
17	Supportin g staff	Sachin Kumar	Attendant	Administr ation	4440- 7440	1800	5410+ 1800	18.05.18	-do-	Gen	9012564616	-do-	

# 1.6. Total land with KVK (in ha) :16.9

S. No.	Item	Area (ha)
1	Buildings	0.10
2.	Demonstration Units	
	Mushroom unit -250 m <sup>2</sup>	2.02
	Vermicompost unit -500 m <sup>2</sup>	
	Azolla unit-25 m <sup>2</sup>	
	Insect proof net house-50 m <sup>2</sup>	
	Apiculture-25 box	
	Kinnow with Drip Irrigation	
	Aonla & Bael orchard-3.5 acre	
	Water harvesting -200 m <sup>2</sup>	
	Kitchen Garden – 0.1 ha	
	Crop Cafeteria – 0.2 ha	
	Drumstick Orchard – 0.2 ha	
	Solar Farm Unit- 0.40 ha	
3.	Crops (Seed Production)	11.65
4.	Others if any	
	a. Forestry	1.78
	b. Onion storage	1.35
	Total	16.9

# Infrastructural Development: Buildings 1.7.

# **A**)

		Source		Stage				
G		of		Complete			Incom	plete
No.	Name of building	funding	Completion Year	Plinth area (Sq.m)	Expenditure (Rs.)	Starting year	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	CAR 17.2.2011 548.3 54,38,664/- NA -					
2.	Farmers Hostel	NIL						
3.	Staff Quarters		NIL					

							6
4.	Demonstration				12,10,000/-		
	Units:		1998	$250 \text{ m}^2$	-		
	Pasteurized	State	2019		20000/-		
	compost	Govt	2018	$500 \text{ m}^2$	25000/-		
	Mushroom unit	NHRDF	2018	25 m <sup>2</sup>	125000/-		
	Vermicompost	NHRDF	2018	$50 \text{ m}^2$	100000/-		
	unit	NHRDF	2019	20 box	250000/-		
	Azolla unit	NHRDF		3.5 acre			
	Insect proof net						
	house	ICAR	2017	$200 \text{ m}^2$	150000/-		
	Apiculture	NHRDF	2019	2 acre	360000/-		
	Kinnow & Aonla						
	orchard						
	Water harvesting						
	Drip irrigation						
	system						
5	Fencing				NIL		
7	Threshing floor	ICAR	17.2.2011	222.3	1,92,031/-		
8	Farm godown	ICAR	31.3.2011	35.0	1,99,869/-		
	Other	NIL					

# **B** ) Vehicles

· · · · · · · · · · · · · · · · · · ·				
Type of vehicle	Year of purchase	Cost (Rs.)	Total kms Run	Present status
Scooter	1995	21818		Not working
Motorcycle	2000	47063	51784	Not working
Jeep	2017	800000	45149	Working
Tractor	2017	700000	870.7*	Working

\*In hours

# C) Equipment& AV aids

Sr. No	Name of the equipment	Number of Equipment	Year of purchase	Cost (Rs.)	Present status
1.	Seed drill	1	1997	6150	Good
2.	Tractor trolley	1	1998	11000	
3.	Harrow	1	1999	8600	
4.	Mega phone	1	2002	2100	
5.	Cultivator	1	2002	10900	
6.	Video Camera	1	2002	59990	
7.	Tractor Trolly	1	2002	52970	
8.	Harrow	1	2002	19250	
9.	LCD Multimedia Projector	1	2007	97000	
10.	Juicer Mixer Grinder	1	2009	2050	
11.	Water cooler	1	2009	19700	
12.	Stabilizer	4	2009	26680	
13.	Printer	1	2009	1850	

15.         Speaker         1         2010         1733           16.         Camera         1         2010         1000           17.         Computer         1         2010         25725           18.         Printer         1         2010         7035           19.         Computer         1         2011         24210           20.         Refrigerator         1         2011         24210           20.         Refrigerator         1         2011         35000           21.         Photocopier machine         1         2011         36170           23.         Generator         1         2011         59000           24.         Room cooler         3         2012         20402           25.         Post hole digger         1         2012         42748           26.         Weed cutter         1         2012         447500           28.         Straw reaper cum trolly         1         2012         447500           28.         Straw reaper cum trolly         1         2012         47500           29.         Lawn mover         1         2012         67280           31.	14.	Scanner	1	2010	4148
16.         Camera         1         2010         1000           17.         Computer         1         2010         25725           18.         Printer         1         2010         7035           19.         Computer         1         2011         24210           20.         Refrigerator         1         2011         35000           21.         Photocopier machine         1         2011         35000           22.         Laptop         1         2011         36170           23.         Generator         1         2011         59000           24.         Room cooler         3         2012         20402           25.         Post hole digger         1         2012         42748           26.         Weed cutter         1         2012         24675           27.         Zero till seed cum fertilizer         1         2012         342000           28.         Straw reaper cum trolly         1         2012         15750           30.         Small autoclave         1         2012         16780           31.         Hot air oven         1         2012         17874           33	15.	Speaker	1	2010	1733
17.         Computer         1         2010         25725           18.         Printer         1         2010         7035           19.         Computer         1         2011         24210           20.         Refrigerator         1         2011         11200           21.         Photocopier machine         1         2011         35000           22.         Laptop         1         2011         36170           23.         Generator         1         2011         59000           24.         Room cooler         3         2012         20402           25.         Post hole digger         1         2012         42748           26.         Weed cutter         1         2012         342000           29.         Lawn mover         1         2012         342000           29.         Lawn mover         1         2012         47580           31.         Hot air oven         1         2012         45766           32.         Laminar flow         1         2012         78874           33.         Colony counter         1         2012         37822           36.         Refrig	16.	Camera	1	2010	1000
18.         Printer         1         2010         7035           19.         Computer         1         2011         24210           20.         Refrigerator         1         2011         11200           21.         Photocopier machine         1         2011         35000           22.         Laptop         1         2011         36170           23.         Generator         1         2011         59000           24.         Room cooler         3         2012         20402           25.         Post hole digger         1         2012         24675           27.         Zero till seed cum fertilizer         1         2012         342000           29.         Lawn mover         1         2012         342000           29.         Lawn mover         1         2012         67280           31.         Hot air oven         1         2012         67280           31.         Hot air oven         1         2012         78874           33.         Colony counter         1         2012         78874           33.         Colony counter         1         2012         37822           34.	17.	Computer	1	2010	25725
19.         Computer         1         2011         24210           20.         Refrigerator         1         2011         11200           21.         Photocopier machine         1         2011         35000           22.         Laptop         1         2011         36170           23.         Generator         1         2011         59000           24.         Room cooler         3         2012         20402           25.         Post hole digger         1         2012         24675           27.         Zero till seed cum fertilizer         1         2012         342000           29.         Lawn mover         1         2012         12915           30.         Small autoclave         1         2012         67280           31.         Hot air oven         1         2012         78874           33.         Colony counter         1         2012         78874           33.         Colony counter         1         2012         37822           34.         B.O.D. incubator         1         2012         37822           35.         Microscope         1         2012         37822	18.	Printer	1	2010	7035
20.         Refrigerator         1         2011         11200           21.         Photocopier machine         1         2011         35000           22.         Laptop         1         2011         36170           23.         Generator         1         2011         59000           24.         Room cooler         3         2012         20402           25.         Post hole digger         1         2012         42748           26.         Weed cutter         1         2012         24675           27.         Zero till seed cum fertilizer         1         2012         342000           28.         Straw reaper cum trolly         1         2012         12915           30.         Small autoclave         1         2012         67280           31.         Hot air oven         1         2012         78874           33.         Colony counter         1         2012         78874           33.         Colony counter         1         2012         37822           36.         Refrigerator         1         2012         37822           37.         Electric balance         1         2012         2550     <	19.	Computer	1	2011	24210
21.       Photocopier machine       1       2011       35000         22.       Laptop       1       2011       36170         23.       Generator       1       2011       59000         24.       Room cooler       3       2012       20402         25.       Post hole digger       1       2012       42748         26.       Weed cutter       1       2012       24675         27.       Zero till seed cum fertilizer       1       2012       342000         28.       Straw reaper cum trolly       1       2012       12915         30.       Small autoclave       1       2012       67280         31.       Hot air oven       1       2012       45016         32.       Laminar flow       1       2012       78874         33.       Colony counter       1       2012       107730         35.       Microscope       1       2012       37822         36.       Refrigerator       1       2012       2550         39.       pH meter       1       2012       39150         40.       EC meter       1       2012       39150         42. <td>20.</td> <td>Refrigerator</td> <td>1</td> <td>2011</td> <td>11200</td>	20.	Refrigerator	1	2011	11200
22.       Laptop       1       2011       36170         23.       Generator       1       2011       59000         24.       Room cooler       3       2012       20402         25.       Post hole digger       1       2012       42748         26.       Weed cutter       1       2012       24675         27.       Zero till seed cum fertilizer       1       2012       342000         28.       Straw reaper cum trolly       1       2012       342000         29.       Lawn mover       1       2012       67280         31.       Hot air oven       1       2012       78874         33.       Colony counter       1       2012       78874         33.       Colony counter       1       2012       107730         35.       Microscope       1       2012       37822         36.       Refrigerator       1       2012       37822         38.       Water distillation       1       2012       21038         41.       Spectrophotometer       1       2012       21038         41.       Spectrophotometer       1       2012       319150	21.	Photocopier machine	1	2011	35000
23.         Generator         1         2011         59000           24.         Room cooler         3         2012         20402           25.         Post hole digger         1         2012         42748           26.         Weed cutter         1         2012         42748           27.         Zero till seed cum fertilizer         1         2012         447500           28.         Straw reaper cum trolly         1         2012         342000           29.         Lawn mover         1         2012         67280           31.         Hot air oven         1         2012         67280           31.         Hot air oven         1         2012         78874           33.         Colony counter         1         2012         107730           35.         Microscope         1         2012         37822           36.         Refrigerator         1         2012         25650           39.         pH meter         1         2012         21038           41.         Spectrophotometer         1         2012         39150           42.         Flame photometer         1         2012         39150	22.	Laptop	1	2011	36170
24.         Room cooler         3         2012         20402           25.         Post hole digger         1         2012         42748           26.         Weed cutter         1         2012         24675           27.         Zero till seed cum fertilizer         1         2012         342000           28.         Straw reaper cum trolly         1         2012         342000           29.         Lawn mover         1         2012         67280           31.         Hot air oven         1         2012         45016           32.         Laminar flow         1         2012         67280           33.         Colony counter         1         2012         78874           33.         Colony counter         1         2012         1656           34.         B.O.D. incubator         1         2012         37822           36.         Refrigerator         1         2012         37822           38.         Water distillation         1         2012         2550           39.         pH meter         1         2012         21038           41.         Spectrophotometer         1         2012         309150	23.	Generator	1	2011	59000
25.       Post hole digger       1       2012       42748         26.       Weed cutter       1       2012       24675         27.       Zero till seed cum fertilizer       1       2012       47500         28.       Straw reaper cum trolly       1       2012       342000         29.       Lawn mover       1       2012       67280         30.       Small autoclave       1       2012       67280         31.       Hot air oven       1       2012       7874         33.       Colony counter       1       2012       6156         34.       B.O.D. incubator       1       2012       37822         36.       Refrigerator       1       2012       37822         36.       Refrigerator       1       2012       25550         39.       pH meter       1       2012       21038         41.       Spectrophotometer       1       2012       39150         42.       Flame photometer       1       2012       39150         43.       Computer       1       2012       39150         44.       Air conditioner       1       2012       39075      4	24.	Room cooler	3	2012	20402
26.       Weed cutter       1       2012       24675         27.       Zero till seed cum fertilizer       1       2012       47500         28.       Straw reaper cum trolly       1       2012       342000         29.       Lawn mover       1       2012       12915         30.       Small autoclave       1       2012       67280         31.       Hot air oven       1       2012       45016         32.       Laminar flow       1       2012       78874         33.       Colony counter       1       2012       6156         34.       B.O.D. incubator       1       2012       37822         36.       Refrigerator       1       2012       37822         36.       Refrigerator       1       2012       25650         39.       pH meter       1       2012       21038         41.       Spectrophotometer       1       2012       34000         42.       Flame photometer       1       2012       39150         43.       Computer       1       2012       34000         44.       Air conditioner       1       2012       3700	25.	Post hole digger	1	2012	42748
27.       Zero till seed cum fertilizer       1       2012       47500         28.       Straw reaper cum trolly       1       2012       342000         29.       Lawn mover       1       2012       12915         30.       Small autoclave       1       2012       67280         31.       Hot air oven       1       2012       45016         32.       Laminar flow       1       2012       78874         33.       Colony counter       1       2012       6156         34.       B.O.D. incubator       1       2012       107730         35.       Microscope       1       2012       37822         36.       Refrigerator       1       2012       32600         37.       Electric balance       1       2012       42750         38.       Water distillation       1       2012       25650         39.       pH meter       1       2012       19687         40.       EC meter       1       2012       31050         42.       Flame photometer       1       2012       3075         43.       Computer       1       2012       33975	26.	Weed cutter	1	2012	24675
28.       Straw reaper cum trolly       1       2012       342000         29.       Lawn mover       1       2012       12915         30.       Small autoclave       1       2012       67280         31.       Hot air oven       1       2012       45016         32.       Laminar flow       1       2012       78874         33.       Colony counter       1       2012       6156         34.       B.O.D. incubator       1       2012       107730         35.       Microscope       1       2012       37822         36.       Refrigerator       1       2012       32600         37.       Electric balance       1       2012       42750         38.       Water distillation       1       2012       25650         39.       pH meter       1       2012       21038         41.       Spectrophotometer       1       2012       39150         42.       Flame photometer       1       2012       3075         43.       Computer       1       2012       37000         44.       Air conditioner       1       2012       37000         4	27.	Zero till seed cum fertilizer	1	2012	47500
29.       Lawn mover       1       2012       12915         30.       Small autoclave       1       2012       67280         31.       Hot air oven       1       2012       45016         32.       Laminar flow       1       2012       78874         33.       Colony counter       1       2012       6156         34.       B.O.D. incubator       1       2012       37822         36.       Refrigerator       1       2012       37822         36.       Refrigerator       1       2012       32600         37.       Electric balance       1       2012       42750         38.       Water distillation       1       2012       25650         39.       pH meter       1       2012       21038         41.       Spectrophotometer       1       2012       31050         42.       Flame photometer       1       2012       3070         43.       Computer       1       2012       33975         45.       Laptop       1       2012       37000         46.       Sprit lamp       2       2012       157         47.       Stabil	28.	Straw reaper cum trolly	1	2012	342000
30.       Small autoclave       1       2012       67280         31.       Hot air oven       1       2012       45016         32.       Laminar flow       1       2012       78874         33.       Colony counter       1       2012       6156         34.       B.O.D. incubator       1       2012       107730         35.       Microscope       1       2012       37822         36.       Refrigerator       1       2012       37822         36.       Refrigerator       1       2012       37822         36.       Refrigerator       1       2012       37822         38.       Water distillation       1       2012       25650         39.       pH meter       1       2012       19687         40.       EC meter       1       2012       21038         41.       Spectrophotometer       1       2012       39150         42.       Flame photometer       1       2012       3700         43.       Computer       1       2012       3700         44.       Air conditioner       1       2012       3700         45.       La	29.	Lawn mover	1	2012	12915
31.       Hot air oven       1       2012       45016         32.       Laminar flow       1       2012       78874         33.       Colony counter       1       2012       6156         34.       B.O.D. incubator       1       2012       107730         35.       Microscope       1       2012       37822         36.       Refrigerator       1       2012       32600         37.       Electric balance       1       2012       42750         38.       Water distillation       1       2012       25650         39.       pH meter       1       2012       19687         40.       EC meter       1       2012       39150         42.       Flame photometer       1       2012       39150         43.       Computer       1       2012       33975         45.       Laptop       1       2012       37000         46.       Sprit lamp       2       2012       157         47.       Stabilizer       1       2012       2000         48.       Hygrometer       1       2012       473         49       Printer       1	30.	Small autoclave	1	2012	67280
32.       Laminar flow       1       2012       78874         33.       Colony counter       1       2012       6156         34.       B.O.D. incubator       1       2012       107730         35.       Microscope       1       2012       37822         36.       Refrigerator       1       2012       37822         36.       Refrigerator       1       2012       32600         37.       Electric balance       1       2012       42750         38.       Water distillation       1       2012       25650         39.       pH meter       1       2012       19687         40.       EC meter       1       2012       39150         41.       Spectrophotometer       1       2012       39150         42.       Flame photometer       1       2012       39150         43.       Computer       1       2012       33975         45.       Laptop       1       2012       33975         45.       Laptop       1       2012       157         47.       Stabilizer       1       2012       157         47.       Stabilizer	31.	Hot air oven	1	2012	45016
33.       Colony counter       1       2012       6156         34.       B.O.D. incubator       1       2012       107730         35.       Microscope       1       2012       37822         36.       Refrigerator       1       2012       32600         37.       Electric balance       1       2012       42750         38.       Water distillation       1       2012       25650         39.       pH meter       1       2012       19687         40.       EC meter       1       2012       39150         41.       Spectrophotometer       1       2012       39150         42.       Flame photometer       1       2012       39150         43.       Computer       1       2012       33975         45.       Laptop       1       2012       37000         46.       Sprit lamp       2       2012       157         47.       Stabilizer       1       2012       473         49       Printer       1       2012       5350	32.	Laminar flow	1	2012	78874
34.       B.O.D. incubator       1       2012       107730         35.       Microscope       1       2012       37822         36.       Refrigerator       1       2012       32600         37.       Electric balance       1       2012       42750         38.       Water distillation       1       2012       25650         39.       pH meter       1       2012       19687         40.       EC meter       1       2012       39150         41.       Spectrophotometer       1       2012       39150         42.       Flame photometer       1       2012       39150         43.       Computer       1       2012       33975         45.       Laptop       1       2012       37000         46.       Sprit lamp       2       2012       157         47.       Stabilizer       1       2012       2000         48.       Hygrometer       1       2012       473         49       Printer       1       2012       5350	33.	Colony counter	1	2012	6156
35.Microscope120123782236.Refrigerator120123260037.Electric balance120124275038.Water distillation120122565039.pH meter120121968740.EC meter120122103841.Spectrophotometer120123915042.Flame photometer120123915043.Computer120123397545.Laptop120123700046.Sprit lamp2201215747.Stabilizer12012200048.Hygrometer1201247349Printer120125350	34.	B.O.D. incubator	1	2012	107730
36.       Refrigerator       1       2012       32600         37.       Electric balance       1       2012       42750         38.       Water distillation       1       2012       25650         39.       pH meter       1       2012       19687         40.       EC meter       1       2012       21038         41.       Spectrophotometer       1       2012       39150         42.       Flame photometer       1       2012       39150         43.       Computer       1       2012       34000         44.       Air conditioner       1       2012       33975         45.       Laptop       1       2012       37000         46.       Sprit lamp       2       2012       157         47.       Stabilizer       1       2012       2000         48.       Hygrometer       1       2012       473         49       Printer       1       2012       5350	35.	Microscope	1	2012	37822
37.Electric balance120124275038.Water distillation120122565039.pH meter120121968740.EC meter120122103841.Spectrophotometer120123915042.Flame photometer120126075043.Computer120123400044.Air conditioner120123397545.Laptop120123700046.Sprit lamp2201215747.Stabilizer12012200048.Hygrometer1201247349Printer120125350	36.	Refrigerator	1	2012	32600
38.Water distillation120122565039.pH meter120121968740.EC meter120122103841.Spectrophotometer120123915042.Flame photometer120126075043.Computer120123400044.Air conditioner120123397545.Laptop120123700046.Sprit lamp2201215747.Stabilizer12012200048.Hygrometer1201247349Printer120125350	37.	Electric balance	1	2012	42750
39.pH meter120121968740.EC meter120122103841.Spectrophotometer120123915042.Flame photometer120126075043.Computer120123400044.Air conditioner120123397545.Laptop120123700046.Sprit lamp2201215747.Stabilizer12012200048.Hygrometer1201247349Printer120125350	38.	Water distillation	1	2012	25650
40.EC meter120122103841.Spectrophotometer120123915042.Flame photometer120126075043.Computer120123400044.Air conditioner120123397545.Laptop120123700046.Sprit lamp2201215747.Stabilizer12012200048.Hygrometer1201247349.Printer120125350	39.	pH meter	1	2012	19687
41.Spectrophotometer120123915042.Flame photometer120126075043.Computer120123400044.Air conditioner120123397545.Laptop120123700046.Sprit lamp2201215747.Stabilizer12012200048.Hygrometer1201247349.Printer120125350	40.	EC meter	1	2012	21038
42.Flame photometer120126075043.Computer120123400044.Air conditioner120123397545.Laptop120123700046.Sprit lamp2201215747.Stabilizer12012200048.Hygrometer1201247349Printer120125350	41.	Spectrophotometer	1	2012	39150
43.Computer120123400044.Air conditioner120123397545.Laptop120123700046.Sprit lamp2201215747.Stabilizer12012200048.Hygrometer1201247349Printer120125350	42.	Flame photometer	1	2012	60750
44.Air conditioner120123397545.Laptop120123700046.Sprit lamp2201215747.Stabilizer12012200048.Hygrometer1201247349Printer120125350	43.	Computer	1	2012	34000
45.Laptop120123700046.Sprit lamp2201215747.Stabilizer12012200048.Hygrometer1201247349Printer120125350	44.	Air conditioner	1	2012	33975
46.Sprit lamp2201215747.Stabilizer12012200048.Hygrometer1201247349.Printer120125350	45.	Laptop	1	2012	37000
47.Stabilizer12012200048.Hygrometer1201247349Printer120125350	46.	Sprit lamp	2	2012	157
48.Hygrometer1201247349Printer120125350	47.	Stabilizer	1	2012	2000
49 Printer 1 2012 5350	48.	Hygrometer	1	2012	473
	49.	Printer	1	2012	5350

51.       Reverse Osmosis (RO)       1       2014       15500         52.       Finger print attendance machine       1       2014       1800         53.       Heat convector       2       2014       1800         54.       Desert Cooler       5       2014       2554         55.       Mrida parikshak soil testing Mini Lab       1       2016       158832         57.       Plastic palates       8       2016       29560         58.       Water cooler       1       2016       20267         59.       Inverter set       1       2016       24700         60.       Planker (wood pata with chain)       1       2016       16500         61.       Reverse Osmosis (RO)       1       2016       16500         62.       Mrida parikshak soil testing Mini Lab       2       2017       90300         63.       Stabilizer       3       2017       90300         64.       Printer       1       2017       15044         65.       Harrow       1       2017       13000         66.       Leveler       1       2017       23800         67.       Lecture stand       1       2	50.	UPS	1	2013	2100
52.       Finger print attendance machine       1       2014       11250         53.       Heat convector       2       2014       1800         54.       Desert Cooler       5       2014       25594         55.       Mrida parikshak soil testing Mini Lab       1       2015       75000         56.       Trolly       1       2016       158832         57.       Plastic palates       8       2016       29560         58.       Water cooler       1       2016       20267         59.       Inverter set       1       2016       24700         60.       Planker (wood pata with chain)       1       2016       16500         62.       Mrida parikshak soil testing Mini Lab       2       2017       90300         63.       Stabilizer       3       2017       9000         64.       Printer       1       2017       57000         66.       Leveler       1       2017       13000         67.       Lecture stand       1       2017       23800         68.       Cultivator       1       2017       23800         69.       Head phone       1       2017	51.	Reverse Osmosis (RO)	1	2014	15500
53.       Heat convector       2       2014       1800         54.       Desert Cooler       5       2014       25594         55.       Mrida parikshak soil testing Mini Lab       1       2015       75000         56.       Trolly       1       2016       158832         57.       Plastic palates       8       2016       29560         58.       Water cooler       1       2016       20267         59.       Inverter set       1       2016       8947         61.       Reverse Osmosis (RO)       1       2016       16500         62.       Mrida parikshak soil testing Mini Lab       2       2017       90300         63.       Stabilizer       3       2017       9000         64.       Printer       1       2017       15044         65.       Harrow       1       2017       15000         66.       Leveler       1       2017       13000         67.       Lecture stand       1       2017       23800         69.       Head phone       1       2017       23800         70.       Gramin GPS 72 H       1       2017       28000	52.	Finger print attendance machine	1	2014	11250
54.         Desert Cooler         5         2014         2594           55.         Mrida parikshak soil testing Mini Lab         1         2015         75000           56.         Trolly         1         2016         158832           57.         Plastic palates         8         2016         29560           58.         Water cooler         1         2016         20267           59.         Inverter set         1         2016         8947           61.         Reverse Osmosis (RO)         1         2016         16500           62.         Mrida parikshak soil testing Mini Lab         2         2017         90300           63.         Stabilizer         3         2017         9000           64.         Printer         1         2017         15044           65.         Harrow         1         2017         15044           65.         Harrow         1         2017         13000           66.         Leveler         1         2017         13000           67.         Lecture stand         1         2017         23800           69.         Head phone         1         2017         28000      <	53.	Heat convector	2	2014	1800
55.       Mrida parikshak soil testing Mini Lab       1       2015       75000         56.       Trolly       1       2016       158832         57.       Plastic palates       8       2016       29560         58.       Water cooler       1       2016       20267         59.       Inverter set       1       2016       24700         60.       Planker (wood pata with chain)       1       2016       8947         61.       Reverse Osmosis (RO)       1       2016       16500         62.       Mrida parikshak soil testing Mini Lab       2       2017       90300         63.       Stabilizer       3       2017       9000         64.       Printer       1       2017       15044         65.       Harrow       1       2017       15000         66.       Leveler       1       2017       13000         67.       Lecture stand       1       2017       8000         68.       Cultivator       1       2017       23800         69.       Head phone       1       2017       2007         71.       Digital still camera       1       2017       28000	54.	Desert Cooler	5	2014	25594
56.       Trolly       1       2016       158832         57.       Plastic palates       8       2016       29560         58.       Water cooler       1       2016       20267         59.       Inverter set       1       2016       24700         60.       Planker (wood pata with chain)       1       2016       8947         61.       Reverse Osmosis (RO)       1       2016       16500         62.       Mrida parikshak soil testing Mini Lab       2       2017       90300         63.       Stabilizer       3       2017       9000         64.       Printer       1       2017       15044         65.       Harrow       1       2017       13000         66.       Leveler       1       2017       4800         67.       Lecture stand       1       2017       23800         68.       Cultivator       1       2017       23800         69.       Head phone       1       2017       28000         71.       Digital still camera       1       2017       52490         72.       LCD Multimedia projector       1       2017       12000      <	55.	Mrida parikshak soil testing Mini Lab	1	2015	75000
57.       Plastic palates       8       2016       29560         58.       Water cooler       1       2016       20267         59.       Inverter set       1       2016       24700         60.       Planker (wood pata with chain)       1       2016       8947         61.       Reverse Osmosis (RO)       1       2016       16500         62.       Mrida parikshak soil testing Mini Lab       2       2017       90300         63.       Stabilizer       3       2017       57000         64.       Printer       1       2017       15044         65.       Harrow       1       2017       15044         66.       Leveler       1       2017       13000         67.       Lecture stand       1       2017       8000         68.       Cultivator       1       2017       23800         69.       Head phone       1       2017       2900         71.       Digital still camera       1       2017       28000         72.       LCD Multimedia projector       1       2017       52490         73.       LED TV       1       2017       121600      <	56.	Trolly	1	2016	158832
58.         Water cooler         1         2016         20267           59.         Inverter set         1         2016         24700           60.         Planker (wood pata with chain)         1         2016         8947           61.         Reverse Osmosis (RO)         1         2016         8947           61.         Reverse Osmosis (RO)         1         2016         16500           62.         Mrida parikshak soil testing Mini Lab         2         2017         90300           63.         Stabilizer         3         2017         15044           65.         Harrow         1         2017         15044           65.         Harrow         1         2017         13000           66.         Leveler         1         2017         8000           67.         Lecture stand         1         2017         23800           69.         Head phone         1         2017         2000           71.         Digital still camera         1         2017         28000           72.         LCD Multimedia projector         1         2017         52490           73.         LED TV         1         2017         4000 </td <td>57.</td> <td>Plastic palates</td> <td>8</td> <td>2016</td> <td>29560</td>	57.	Plastic palates	8	2016	29560
59.         Inverter set         1         2016         24700           60.         Planker (wood pata with chain)         1         2016         8947           61.         Reverse Osmosis (RO)         1         2016         16500           62.         Mrida parikshak soil testing Mini Lab         2         2017         90300           63.         Stabilizer         3         2017         9000           64.         Printer         1         2017         15044           65.         Harrow         1         2017         57000           66.         Leveler         1         2017         8000           67.         Lecture stand         1         2017         23800           69.         Head phone         1         2017         20800           70.         Gramin GPS 72 H         1         2017         28000           71.         Digital still camera         1         2017         52490           73.         LED TV         1         2017         72000           74.         Electronic balance         1         2017         4000           75.         Air Conditioner         1         2017         80850	58.	Water cooler	1	2016	20267
60.         Planker (wood pata with chain)         1         2016         8947           61.         Reverse Osmosis (RO)         1         2015         16500           62.         Mrida parikshak soil testing Mini Lab         2         2017         90300           63.         Stabilizer         3         2017         9000           64.         Printer         1         2017         15044           65.         Harrow         1         2017         57000           66.         Leveler         1         2017         8000           67.         Lecture stand         1         2017         23800           68.         Cultivator         1         2017         23800           69.         Head phone         1         2017         400           70.         Gramin GPS 72 H         1         2017         28000           71.         Digital still camera         1         2017         52490           72.         LCD Multimedia projector         1         2017         4000           75.         Air Conditioner         1         2017         4000           76.         Computer         1         2017         80850	59.	Inverter set	1	2016	24700
61.         Reverse Osmosis (RO)         1         2016         16500           62.         Mrida parikshak soil testing Mini Lab         2         2017         90300           63.         Stabilizer         3         2017         9000           64.         Printer         1         2017         15044           65.         Harrow         1         2017         57000           66.         Leveler         1         2017         8000           67.         Lecture stand         1         2017         23800           68.         Cultivator         1         2017         23800           69.         Head phone         1         2017         20800           70.         Gramin GPS 72 H         1         2017         28000           71.         Digital still camera         1         2017         28000           72.         LCD Multimedia projector         1         2017         52490           73.         LED TV         1         2017         4000           75.         Air Conditioner         1         2017         4000           76.         Computer         1         2017         80850	60.	Planker (wood pata with chain)	1	2016	8947
62.         Mrida parikshak soil testing Mini Lab         2         2017         90300           63.         Stabilizer         3         2017         9000           64.         Printer         1         2017         15044           65.         Harrow         1         2017         15044           65.         Harrow         1         2017         15040           66.         Leveler         1         2017         13000           67.         Lecture stand         1         2017         8000           68.         Cultivator         1         2017         23800           69.         Head phone         1         2017         400           70.         Gramin GPS 72 H         1         2017         28000           71.         Digital still camera         1         2017         28000           72.         LCD Multimedia projector         1         2017         52490           73.         LED TV         1         2017         4000           74.         Electronic balance         1         2017         4000           75.         Air Conditioner         1         2017         80850	61.	Reverse Osmosis (RO)	1	2016	16500
63.         Stabilizer         3         2017         9000           64.         Printer         1         2017         15044           65.         Harrow         1         2017         57000           66.         Leveler         1         2017         13000           67.         Lecture stand         1         2017         8000           68.         Cultivator         1         2017         23800           69.         Head phone         1         2017         400           70.         Gramin GPS 72 H         1         2017         28000           71.         Digital still camera         1         2017         28000           72.         LCD Multimedia projector         1         2017         28000           73.         LED TV         1         2017         72000           74.         Electronic balance         1         2017         121600           75.         Air Conditioner         1         2017         80850           77.         UPS         2         2017         4106           78.         Printer         1         2018         136000           79.         Mulc	62.	Mrida parikshak soil testing Mini Lab	2	2017	90300
64.         Printer         1         2017         15044           65.         Harrow         1         2017         57000           66.         Leveler         1         2017         13000           67.         Lecture stand         1         2017         8000           68.         Cultivator         1         2017         23800           69.         Head phone         1         2017         400           70.         Gramin GPS 72 H         1         2017         28000           71.         Digital still camera         1         2017         28000           72.         LCD Multimedia projector         1         2017         72000           74.         Electronic balance         1         2017         4000           75.         Air Conditioner         1         2017         121600           76.         Computer         1         2017         80850           77.         UPS         2         2017         4106           78.         Printer         1         2018         136000           79.         Mulcher single speed         2         2018         136000           80.	63.	Stabilizer	3	2017	9000
65.       Harrow       1       2017       57000         66.       Leveler       1       2017       13000         67.       Lecture stand       1       2017       8000         68.       Cultivator       1       2017       23800         69.       Head phone       1       2017       400         70.       Gramin GPS 72 H       1       2017       28000         71.       Digital still camera       1       2017       28000         72.       LCD Multimedia projector       1       2017       52490         73.       LED TV       1       2017       4000         74.       Electronic balance       1       2017       4000         75.       Air Conditioner       1       2017       4000         76.       Computer       1       2017       4000         76.       Computer       1       2017       4000         77.       UPS       2       2017       4106         78.       Printer       1       2018       136000         79.       Mulcher single speed       2       2018       136000         80.       Shrub master	64.	Printer	1	2017	15044
66.       Leveler       1       2017       13000         67.       Lecture stand       1       2017       8000         68.       Cultivator       1       2017       23800         69.       Head phone       1       2017       400         70.       Gramin GPS 72 H       1       2017       9984         71.       Digital still camera       1       2017       28000         72.       LCD Multimedia projector       1       2017       52490         73.       LED TV       1       2017       4000         74.       Electronic balance       1       2017       4000         75.       Air Conditioner       1       2017       4000         76.       Computer       1       2017       4000         76.       Computer       1       2017       4106         78.       Printer       1       2018       10400         79.       Mulcher single speed       2       2018       136000         80.       Shrub master       2       2018       103040         81.       Hydraulic reversible 2MB plough       1       2018       135615         82. </td <td>65.</td> <td>Harrow</td> <td>1</td> <td>2017</td> <td>57000</td>	65.	Harrow	1	2017	57000
67.Lecture stand12017800068.Cultivator120172380069.Head phone1201740070.Gramin GPS 72 H12017998471.Digital still camera120172800072.LCD Multimedia projector120175249073.LED TV120177200074.Electronic balance12017400075.Air Conditioner12017400076.Computer120178085077.UPS22017410678.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201813561582.Wireless walkie phone1201813561583.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	66.	Leveler	1	2017	13000
68.Cultivator120172380069.Head phone1201740070.Gramin GPS 72 H12017998471.Digital still camera120172800072.LCD Multimedia projector120175249073.LED TV120177200074.Electronic balance12017400075.Air Conditioner12017400076.Computer120178085077.UPS22017410678.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201813561582.Wireless walkie phone1201813561583.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	67.	Lecture stand	1	2017	8000
69.Head phone1201740070.Gramin GPS 72 H12017998471.Digital still camera120172800072.LCD Multimedia projector120175249073.LED TV120177200074.Electronic balance12017400075.Air Conditioner12017400076.Computer120178085077.UPS22017410678.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201813561582.Wireless walkie phone1201813561583.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	68.	Cultivator	1	2017	23800
70.Gramin GPS 72 H12017998471.Digital still camera120172800072.LCD Multimedia projector120175249073.LED TV120177200074.Electronic balance12017400075.Air Conditioner120178085076.Computer120178085077.UPS22017410678.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201813561582.Wireless walkie phone12018175083.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	69.	Head phone	1	2017	400
71.Digital still camera120172800072.LCD Multimedia projector120175249073.LED TV120177200074.Electronic balance12017400075.Air Conditioner1201712160076.Computer120178085077.UPS22017410678.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201813561582.Wireless walkie phone1201813561583.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	70.	Gramin GPS 72 H	1	2017	9984
72.LCD Multimedia projector120175249073.LED TV120177200074.Electronic balance12017400075.Air Conditioner1201712160076.Computer120178085077.UPS22017410678.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201810304081.Hydraulic reversible 2MB plough1201813561582.Wireless walkie phone1201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	71.	Digital still camera	1	2017	28000
73.LED TV120177200074.Electronic balance12017400075.Air Conditioner1201712160076.Computer120178085077.UPS22017410678.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201810304081.Hydraulic reversible 2MB plough1201813561582.Wireless walkie phone1201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	72.	LCD Multimedia projector	1	2017	52490
74.Electronic balance12017400075.Air Conditioner1201712160076.Computer120178085077.UPS22017410678.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201810304081.Hydraulic reversible 2MB plough1201813561582.Wireless walkie phone1201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	73.	LED TV	1	2017	72000
75.Air Conditioner1201712160076.Computer120178085077.UPS22017410678.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201810304081.Hydraulic reversible 2MB plough1201813561582.Wireless walkie phone1201833264083.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	74.	Electronic balance	1	2017	4000
76.Computer120178085077.UPS22017410678.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201810304081.Hydraulic reversible 2MB plough1201813561582.Wireless walkie phone12018175083.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	75.	Air Conditioner	1	2017	121600
77.UPS22017410678.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201810304081.Hydraulic reversible 2MB plough1201813561582.Wireless walkie phone12018175083.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	76.	Computer	1	2017	80850
78.Printer120181040079.Mulcher single speed2201833600080.Shrub master2201810304081.Hydraulic reversible 2MB plough1201813561582.Wireless walkie phone12018175083.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	77.	UPS	2	2017	4106
79.Mulcher single speed2201833600080.Shrub master2201810304081.Hydraulic reversible 2MB plough1201813561582.Wireless walkie phone12018175083.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	78.	Printer	1	2018	10400
80.Shrub master2201810304081.Hydraulic reversible 2MB plough1201813561582.Wireless walkie phone12018175083.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	79.	Mulcher single speed	2	2018	336000
81.Hydraulic reversible 2MB plough1201813561582.Wireless walkie phone12018175083.Happy seeder 10 row2201833264084.TATA sky DTH connection12018253085.Airtel 4G home Wi-Fi router120182500	80.	Shrub master	2	2018	103040
82.       Wireless walkie phone       1       2018       1750         83.       Happy seeder 10 row       2       2018       332640         84.       TATA sky DTH connection       1       2018       2530         85.       Airtel 4G home Wi-Fi router       1       2018       2500	81.	Hydraulic reversible 2MB plough	1	2018	135615
83.       Happy seeder 10 row       2       2018       332640         84.       TATA sky DTH connection       1       2018       2530         85.       Airtel 4G home Wi-Fi router       1       2018       2500	82.	Wireless walkie phone	1	2018	1750
84.         TATA sky DTH connection         1         2018         2530           85.         Airtel 4G home Wi-Fi router         1         2018         2500	83.	Happy seeder 10 row	2	2018	332640
85.         Airtel 4G home Wi-Fi router         1         2018         2500	84.	TATA sky DTH connection	1	2018	2530
	85.	Airtel 4G home Wi-Fi router	1	2018	2500

86.	Fire extinguisher	3	2018	6372
87.	Projector screen	1	2018	16461
88.	PA Mixture amplifier	1	2018	8791
89.	PA Microphone	1	2018	3835
90.	PA Wireless Microphone	1	2018	5015
91.	Zero Till Seed cum Fertilizer Drill	3	2018	183849
92.	UPS	2	2018	4800
93.	Desert cooler	1	2019	10000
94.	Zero seed cum fertilizer drill	1	2019	57000
95.	Computer	1	2019	107100
96.	UPS	2	2019	4300
97.	Bag Closer Machine	1	2019	5040
98.	Rotavator	2	2019	220000
99.	GPS Device Tracker	1	2019	7000
100.	CC TV Unit	1	2020	244147
101.	Mobile Hand Set	1	2020	15000
102.	Stand Holder for Mobile phone & Camera	1	2020	699
103.	Directional leveler condenser microphone	1	2020	949
104.	Sanitizer stand	1	2020	2124
105.	Water Tanker	1	2020	38940
106.	Laptop	1	2020	88500

1.8. A). Details SAC meeting\* conducted in the year

S.No.	Date	Name and Designation of Participants	Salient Recommendations	Action taken
1.	26/12/20	<ol> <li>Dr. S. K. Singh, Director, ICAR- ATARI, Jodhpur</li> <li>Dr. R. P. Gupta, Ex Director, NHRDF</li> <li>Dr. J R Mishra, Pr. Scientist, ICAR-IARI, New Delhi</li> <li>Dr. Vijay Kr. Dagar, Vet. Officer, Govt. of NCT Delhi</li> <li>Dr. Vijay Singh Meena, ICAR- NBPGR</li> <li>Er. R K Yadav, Ex Prog. Coordinator, KVK Delhi</li> </ol>	<ol> <li>All SMS should focus on their respective work achievement considering COVID 19 pandemic.</li> <li>A virtual common hall should be develop for online webinar/trainings</li> <li>KVK should start seed production programme with farmers' participation mode of demanded</li> </ol>	Noted for compliance and incorporated in Annual Action plan 2021.

	7. Sh.Shrichand Sharma.	vegetables & Cereals.	
	Consultant, (Hort)		
	Govt. of NCT Delhi	4. Focus on protected	
		cultivation of	
	8. Sh. Atonw Tikat,	vegetables and flowers	
	9 Sh Ram Kumar	in NCT Delhi	
	Progressive farmer	5 Committee has	
	10. Sh. Sant Kumar,	strongly	
	Agriculture Asst.	recommended to KVK	
	Govt. of NCT Delhi	should focus the	
	11 Smt Coata Davi	source of revenue	
	Farmer	generation	
	12. Dr. P.K Gupta, Head,	5	
	KVK, Delhi	6. As rural youth are	
	13. Dr. Ritu Singh,	attracting towards the	
	SMS(HS) 11 Sh Pakash Kumar	agriculture sector as	
	SMS (Hort.)	they are unskilled.	
	15. Dr. D.K.Rana,	KVK should focus on	
	SMS(PP)	rural youth of the area	
	16. Dr. Samarpal Singh,	making them self	
	SMS (Agro.) 17 Sh Kailash	reliant	
	SMS(Ext.)	Terrant.	
	18. Sh. Brijesh Yadav, PA	7. KVK should conduct	
	(soil)	the in-service training	
	19. Smt. Manju, PA	need bases for	
	(comp.)	extension personal	
		8. KVK should link with	
		Animal department of	
		Delhi for organization	
		the programme like	
		vaccination at Village	
		level for implications	
		of Govt scheme at	
		ground level.	
		9 KVK should develop	
		5. KVK should develop the self mobile app for	
		registration of farmer	
		and feedback analysis	
		una recubiot anarysis.	
		10. Before introduction of	
		new technology KVK	
		should assess the	
		performance at KVK	
		tarm.	
		1	

11. Technologies of ICAR-CSSRI Karnal should be introduced
at KVK farm because
this Institute is
working on biotic
stresses.
12. KVK should work on
SRR (Seed Replacement
Ratio) of vegetables land
new variaties
new varieties.
13. Being horticulture
based host organization more
number of front line
demonstration should be
conducted on vegetable
crops.
14. SMS (Hort) contact to
Kitchen Garden Association
of Delhi, Flower Association,
Mela IARI to provide flower
a vegetable seeding,
provide training time to time
15. Source of technology
in Agronomy should be
included in the OFT write-
up.
16. Success story of
technology and variety
should be propagated
through mobile Aap, radio as
well as different extension
mode like print & electronic.
17. General nutrition
deficiency in soil and water
shall be prepared on
taluka/block wise to know
the status of the area for
effective transfer of
technology.

-			
		18. Focus on organic	
		farming in NCT Delhi	
		because population of Delhi	
		demanding organic food.	
		19. Need based	
		assessment should be done	
		for training and analysis of	
		feedback of last 5 years	
		training should be done and	
		present in the next SAC	
		meeting.	
1			

Note : This yellow mark may be treated as an example \* Attach a copy of SAC proceedings along with list of participants

### 2. DETAILS OF DISTRICT (2020)

## 2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. No	Farming system/enterprise
1	Agri-Dairy system (with rice in kharif and wheat in rabi as major crops)
2	Agri- Dairy system (Mustard as major oilseed crop and Jowar/Bajra as fodder crop)
3	Agri- Horticulture (Floriculture) system
4	Agri- Horticulture (Mushroom) system
5	Agri- Vegetables-Dairy system

# **2.2** Description of agro-climatic zone & major agro ecological situations (based on soil and topography)

#### a) Soil type

S.No.	Agro-Climatic Zone	Characteristics
1	Trans- Gangatic Plains region (Zone	Semi-Arid, low rainfall, variation in temperature (2 - 47 <sup>0</sup> C),
	VI)	frost occur once or twice in the year.

#### b) Topography

S. No.	Agro ecological situation	Characteristics
1	Climate	The state has three seasons viz., winter (Nov-Jan), summer (Apr-June) & Rainy
		season (June - Oct). The rainfall occurs during the month of July-Sept with
		occasional showers during Dec- Jan. The range of rainfall between 420-780 mm.

#### 2.3 Soil Types

S. No	Soil type	Characteristics	Net cultivated area (in ha)
1	Sandy loam	Light to medium in texture, low water holding capacity, pH slightly saline with low organic matter content. Wide range of crops can be grown but constraint is saline water for irrigation.	33455

S. No	Crop	Area (ha)	<b>Production</b> (MT)	Productivity (Q/ha)
1	Paddy	5854	25256	43.14
2	Wheat	19350	83419	43.11
3	Barley	62	181	29.19
4	Bajra	1482	3256	21.97
5	Maize	34	174	51.18
6	Jowar	3161	3035	9.60
7	Gram	60	120	20.00
9	Mustard	3593	4527	12.60
11	Vegetable	23043	-	_
12	Flowers	5995	-	_

2.4. Area, Production and Productivity of major crops cultivated in NCT, Delhi

Source: State Agriculture Department, NCT Delhi 2018-19

#### 2.5. Weather data

Month	Rainfall (mm)	Tempe	rature <sup>0</sup> C	Relative Hu	umidity (%)
		Maximum	Minimum	Max RH	Mini RH
January	47.7	22	2.0	98	34
February	2	26.8	3.2	98	37
March	174.6	32	9.5	98	28
April	8.8	40	12.2	83	21
May	37.4	46.5	18.4	84	19
June	59.9	43.3	20.2	92	25
July	270.9	41	21.1	96	42
August	342.1	37	24	97	58
September	9.8	38	22	94	42
October	00	36	10.8	95	23
November	3.2	31	5.5	95	25
December	0.6	28	2.4	97	27

# 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity	
Cattle	86433			
Crossbred	47935	606232 L Milk	12.65 L / Animal/ Day	
Indigenous	24498	97683 L Milk	3.98 L / Animal/ Day	
Buffalo	162142	1286925 L Milk	7.94 L / Animal/ Day	
Sheep	932			
Crossbred	654	9425 Kg/ Meat	14.4 Kg/ Animal	
Indigenous	278	3529 Kg/ Meat	12.6 Kg/ Animal	
Goats	30470	262042 Kg/ Meat	8.6 Kg/ Animal	
Pigs	76346			
Crossbred	8581	Doto not Available	Data not Available	
Indigenous	67765	Data not Available	Data not Available	
Rabbits	6706			
Poultry	44000	58225 Kg/ Meat	1.33 Kg/ Bird	
Hens	32202			
Desi	20530			
Improved	2667	Data not Available	Data not Available	
Ducks	2140			
Turkey and others	1329			

Category	Area	Production	Productivity
Fish			
Marine			
Inland	4000 Ha	70010 ton/year	0.178 ton/ha/year
Prawn		Data not Availabl	
Scampi		Data not Availabl	le
Shrimp			

Source: State Agriculture Department, NCT Delhi 2018-19

Sl.No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified	Identified Thrust Areas
	Alipur	Alipur	Tigipur, Sungerpur & Dariyapur	Rabi - Cauliflower, Spinach, Radish, Onion, Pea, Marigold, Wheat, Mustard Kharif - Tomato, Cucurbits, Okra &, Brinjal, Marigold, Radish & Spinach, Paddy Summer- Okra, Tomato, Brinjal, Cucurbits, Radish Enterprises: Mushroom, Vegetables Floriculture and Nursery Production.	<ul> <li>Sever weed infestation in onion, paddy &amp; wheat</li> <li>Post-harvest losses in cucurbits, tomato, okra&amp; leafy vegetables</li> <li>Nutritional deficiency &amp; disorders in cauliflower &amp; cucurbits</li> <li>Problem disease &amp; insect in onion &amp; okra</li> <li>Practices of inferior variety of crops/vegetables/ flowers</li> <li>Intensive tillage practices in rice - wheat system &amp; lower cropping intensity</li> <li>Improper management of off-season vegetable cultivation &amp; nursery raising</li> <li>Low cropping intensity</li> <li>Imbalance use of fertilizers &amp; pesticides</li> </ul>	<ul> <li>Integrated weed management.</li> <li>Resource conservation practices</li> <li>Integrated Nutrient Management.</li> <li>Integrated pest management</li> <li>Off season vegetable cultivation &amp; nursery raising under protected cultivation</li> <li>Integrated crop management</li> <li>Post-harvest management of vegetable crops</li> <li>Soil test-based fertilizer recommendation (STFR).</li> <li>Organic farming</li> </ul>

# 2.7 Details of Operational area / Villages (2020)

	1	1	1		16
Nazafgarh/ Kapashera	Nazafgarh	Kanganheri, Shikarpur	Rabi – Onion, Cauliflower, Spinach, Wheat, Mustard Kharif - Tomato, Cucurbits, Okra &, Brinjal, Paddy Summer- Okra, Tomato, Brinjal, Cucurbits, Enterprises: Dairy, Mushroom Production, Apiculture, Value addition to fruit& vegetable produce	<ul> <li>Saline water and Imbalance use of fertilizer.</li> <li>Problem of diseases and pest in onion, okra, oil seed&amp; cereals.</li> <li>Problem of endo-parasite and ecto-parasite in animals.</li> <li>Disorders (Browning &amp; Whiptail) in cauliflower crops.</li> <li>Post-harvest losses in fruits and vegetables crops.</li> <li>Vegetable nursery raising in open condition.</li> <li>Intensive tillage practices in rice - wheat system &amp; lower cropping intensity</li> <li>Improper nutrient management in rice &amp; wheat</li> <li>Post-harvest losses in fruit &amp; vegetables</li> <li>Problem of endo- parasite &amp; ecto parasite &amp; ecto parasite in animals</li> </ul>	<ul> <li>Promotion of salt tolerant HYV</li> <li>Integrated Nutrient Management in crops.</li> <li>Resource conservation practices</li> <li>IDM &amp; IPM approaches.</li> <li>Value addition of locally grown crops.</li> <li>Nutritional awareness among masses.</li> <li>Promotion of organic farming</li> <li>Soil test based fertilizers recommendation (STRF)</li> </ul>

# 2.8 Priority/thrust areas

Crop/Enterprise	Thrust area		
Cucurbits, Okra,	Integrated pest management, post-harvest management, weed and		
cauliflower, onion, leafy vegetables	nutrient management, seed treatment, nursery raising, promotion of		
& tomato, Brinjal	organic farming.		
Flowering	Landscaping, Nursery raising of ornamental plants, production of		
Flowening	loose flowers.		
	Resources conservation techniques, Nutrient management, direct		
Paddy	seeded rice, weed management / pest management and soil fertility		
	management,		
Wheat	Resources conservation techniques-zero tillage, weed management /		
wheat	pest management and soil fertility management,		
Mustand	Screening of high yielding varieties of Rapeseed-mustard in NCT		
Mustard	Delhi, Nutrient management.		
Fruits (Aonla, Karonda,	Promotion of HYV of fruits plants, IPM, INM.		

Guava, Strawberry & Papaya)	
	Women empowerment through strengthen of SHG's, preservation of
Women in Agriculture	fruits & vegetables, Health and nutrition awareness and promotion
	of nutritional garden in rural areas and post-harvest management.
	Entrepreneurship development in agriculture (value addition, dairy,
Agri-based enterprise	gardening & nursery raising of horticultural crops, Mushroom
	Cultivation, Vermi -Compost & Bee keeping)

# **<u>3. TECHNICAL ACHIEVEMENTS</u>**

#### 3.A. Details of target and achievements of mandatory activities by KVK during 2020

OFT (Technology Assessment)				FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises)				
	1				2			
Num	ber of OFTs	Total no. of Trials		Area in ha		Numbe	er of Farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement	
6	5	42	31	83.4	71.38	206	198	

Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)						Extension Activities				
		3				4	1			
Num	ber of Cour	ses	Number of	f Participants	Numbe	r of activities	Number	of participants		
Clientele	Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement		
Farmers	41	20	800	472	467	455	5905	4591		
Rural youth	5	5	100	103						
Extn.	5	2	100	60						
Functionaries										
Total	51	27	1000	635	467	455	5905	4591		

	Seed Production (	(Qtl.)	Planting material (Nos.)			
5			6			
Target	Achievement	Distributed to no. of farmers	Target	Achievement	Distributed to no. of farmers	
250	156.8	1279	75000	12977	190	

# I.A TECHNOLOGY ASSESSMENT

#### Summary of technologies assessed under various CrOPS by KVKs

Thematic areas	Crop	Name of the technology assessed	No. of trials	No. of farmer
	Mustard	Foliar application of boron	6	6
Integrated Nutrient Management	Cauliflower	Effect of foliar application of Borax @ 0.3% + Ammonium molybdate @ 0.05% on cauliflower	5	5
	Wheat	Integrated Nutrient Management in Wheat	3	3
Varietal Evaluation				
Integrated Pest Management	Okra	Assessment of Management technique of Short &Fruit borer in Okra	3	3
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Post Harvest Technology / Value addition	Beetroot , Ber & Aonla	Assessment of the acceptability of the ladoo prepared from Beetroot, Ber & Aonla.	10	10
Drudgery Reduction				
Storage Technique				
Others (Pl. specify)				
Total			31	31

# I.B. TECHNOLOGY ASSESSMENT IN DETAIL

(From each state please include the full details of three OFTs on technology assessment under the broad thematic areas such as Integrated Crop Management, weed management, pest and disease management, nutrient management, resource conservation, livestock enterprises, Integrated Nutrient Management)

(The model for preparing the same is furnished below)

#### PEST AND DISEASE MANAGEMENT

**Problem definition:** Shoot and fruit borer is the most distractive insect of Okra in NCT Delhi. The larva of Okra shot & fruit borer burrows in the petioles and tender shoot

**Technology assessed:** KVK, Delhi conducted an on-farm trial on shoot & fruit borer in okra crop in the *Kharif* season 2020 to assess the effect of foliar application of Spinosad (45SL) @ 0.5ml/L water at 15 days interval on low infestation of shoot and fruit borer in okra. The assessed foliar application of Spinosad (45SL) was found to be better with 9.6% increased yield as compared to farmer practices.

Source of Technology: NCIPM, New Delhi

Technology Option	No. of	Shoot	Fruit	Yield	% Increase in yield	Net	
	trials	Infestation	Infestation	(kg/ha)	over farmer's	return	B:C
		(%)	(%)		practice	Rs/ha	ratio
T <sub>1</sub> - Farmers Practice-Cartap		10.70	11.0	18173	-	122650	1.5:1
hydrochloride (SD) 1gm/lit							
water							
	03	5.20	6.5	19857	9.6	161900	1.6:1
T <sub>2</sub> - Spray of Spinosad	05						
(45SL) @ 0.5ml/L water at							
15 days interval							
				1			

#### NUTRIENT MANAGEMENT

**Problem definition:** Poor pod development and flowering in rapeseed -mustard due to boron deficiency in soil identified through soil test basis.

Technology Assessed: Foliar application of Boron in Mustard crop.

#### Source of technology: ICAR-DRMR, Bhartpur

KVK, Delhi conducted an on-farm trial on mustard crop in the *rabi* season 2019-20 to assess the effect of foliar application of boron on yield and yield attributes of mustard crop to enhance the productivity of crop. The foliar application of Boron @ 0.25% boric acid was assessed at 40 and 60 days after sowing. The higher average mean yield of mustard crop was reported with foliar application of Boron as compared to farmer practices.

Technology Option	No. of trials	Yield (kg./ha)	Increase in Yield (%)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs/ ha)	B:C Ratio
T1-Farmers Practice (No use of Boron)	6	1900		21440	72200	50760	2.36
T2-Foliar application of Boron @ 0.25% boric acid at 40 and 60 Days after sowing.	0	2250	10.00	22290	85500	63210	2.83

#### Growth and yield attributes:

Treatments	Average primary branches per plant	Average number of siliquae per plant	Average number of seeds per siliquae	Average plant height (cm)
T1-Farmers Practice	4.5	400	11.5	190
T2-Foliar application of Boron @ 0.25% boric acid at 40 & 60 Days after sowing.	6	465	13.5	195

#### NUTRIENT MANAGEMENT

#### Problem definition: Lower productivity in cauliflower.

Technology Assessed: Nutrient management in cauliflower.

#### Source of Technology: IARI, Pusa, New Delhi

KVK, Delhi conducted an on-farm trial on cauliflower. in the *rabi* season 2019-20 to assess the effect of foliar application of Borax @ 0.3% + Ammonium molybdate @ 0.05% on yield and yield attributes of cauliflower to enhance the productivity of crop. The assessed foliar application of Borax @ 0.3% + Ammonium molybdate @ 0.05% at 45 DAT was found to be better with 8.17% increase in yield.

Table: Effect of foliar application of Borax @ 0.3% + Ammonium molybdate @ 0.05% at 45 DAT in cauliflower.

Technology Option	No. of	Curd	Plant height	Yield	Increase in	B:C Ratio
	trials	weight(gm)	( <b>cm</b> )	(kg./ha)	Yield (%)	
T1- Farmers Practice	5	700	29.3	18100		2.62
(No use of micronutrients)						
T2-Foliar spray of of Borax @ 0.3% +						
Ammonium molybdate @ 0.05% at		775	31.7	19580	8.17	3.24
45 DAT						

#### INTEGRATED NUTRIENT MANAGEMENT

Problem definition: Low yield in wheat crop.

Technology Assessed: Integrated Nutrient Management in Wheat.

#### Source of Technology : CCSHAU, Hisar

KVK, Delhi observed the low productivity of wheat crop due to imbalance use of fertilizer and assessed the application of balanced nutrition on soil test basis T2 with Nitrogen @ 120 kg, Phosphorus @ 60kg, Potassium @ 40kg and Zinc @ 5 kg / ha along with the bio fertilizers over the farmers practice (T1) application (N & P). Results of the trial revealed that wheat yield under T2 was increased by 8.99% and yield also (51.50q/ha with B:C ratio of 2.74) over farmers' practice (47.25q/ha B:C ratio of 2.53).

#### Table Performance of Wheat to integrated nutrient management

Technology Option	No. of	Plant height at	Test	Yield	Increase in	B:C Ratio
	trials	flowering stage	wt	(kg./ha)	Yield (%)	
			1000g			
T <sub>1</sub> Farmer's Practice (N&P)		92	37	47.25	-	2.53
T <sub>2</sub> -Applicati- on of fertilizer on soil test basis.	3	99	40	51.50	8.99	2.74
N, P, K & Zinc + Bio fertilizers (Liquid NPK	5					
& Zinc)						

#### POST HARVEST TECHNOLOGY/VALUE ADDITION

Problem definition: Non utilization of available Aonla, Ber and Beetroot in processed and preserved form.

Technology assessed: Assessment of the acceptability of the ladoo prepared from Beetroot, Ber & Aonla.

#### Source of Technology: IARI, Pusa, New Delhi

KVK, Delhi assessed the technology on value addition in the Beetroot, Ber & Aonla to develop ladoo. The preparation of ladoo from Ber (20%), Aonla (20%) and Beetroot (10%) along with equal amount of sugar (50%) were kept in oven at 60°C for 2 hours. The material then taken out, cooled and then shaped in to the rounded structure and packed in polypropylene bag.

Technology Option	No. of trials	Organoleptic acceptability in terms of taste (%)	Organoleptic acceptability in terms of color (%)	Result of assessment	Famers reaction
$T_1$ – Farmer's Practice (Aonla Ladoo) $T_2$ – Ber (20%), Aonla (20%) and Beetroot (10%) with equal amount of sugar (50%) ladoo	10	40 80	50 60	Ladoo in combination of ber, aonla beetroot was liked by the majority in terms of taste (80%)	Majority of the population showing keen interest in ladoo and it can become effective tool in improving the nutritional status of the masses.

#### Table: Acceptance of ladoo prepared with Aonla, Beetroot and Ber.

# **II. FRONTLINE DEMONSTRATION**

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2018-19 and recommended for large scale adoption in the district

S. `No.	Crop/ Enterprise	Thematic Area*	Technology demonstrated	Details of popularization methods suggested to the Extension system	Horizontal spread of technology		
1.	Mustard	Integrated Crop Management	Improved variety of mustard crop- Giriraj and RH-749	Through Frontline demonstrations and result demonstrations and Trainings and other relevant extension activities	8	375	150
2.	Mustard	Integrated disease management	IDM in Mustard	Through Frontline demonstrations and result demonstrations and other relevant extension activities	7	80	32
3.	Wheat	Integrated Crop Management	HYV of wheat- HD-3226	Through Frontline demonstrations and result demonstrations and Trainings and other relevant extension activities	15	400	160
4.	Onion	Integrated Crop Management	Improved variety Rabi onion	Through Frontline demonstrations and result demonstrations and other relevant extension activities	5	75	35
5.	Summer moong	Crop diversification	Improved variety of summer moong	Through Frontline demonstrations and result demonstrations and Trainings and other relevant extension activities	6	75	30

\* Thematic areas as given in Table 3.1 (A1 and A2)

b. Details of FLDs implemented during 2020 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)

S. No.	Crop	Thematic area	Technology Demonstrated	Season and year	Area	(ha)	N d	o. of farme emonstratio	rs/ on	Reasons for shortfall in achievement
					Proposed	Actual	SC/ST	Others	Total	
1	Mustar d	Integrated crop management	Improved variety (Giriaj)+ Nutrient and weed management	<i>Rabi</i> 2020	50.00	50.00	5	120	125	
2	Gram	Integrated crop management	Improved variety (GNG 1958)+ Nutrient and weed management	Rabi 2020	20.00	20.00	5	45	50	
3.	<i>Kharif</i> Onion through bulblet	Integrated Crop Management	variety <i>Kharif</i> Onion var. ADR	Kharif 2020	-	0.1	1	4	5	
4.	<i>Kharif</i> Onion	Integrated Pest Management	Seed treatment with <i>Trichoderma</i> and foliar application of <i>Trichoderma</i> , Pseudomonas, yellow stick and neem pesticide in onion crop	Kharif 2020	-	0.1	1	4	5	

	0	סב בי ב			Status of	soil	0	⊂ 0	θÛ	0 = .	ő – st
Crop	Seas n	ng situa on (RF/I jaate	Soil	N	Р	К	Previ us crop	Sowi g dat	Harv st dat	Seas nal rainfa (mm	No. c rainy days
Mustard	Rabi	Irrigated	Sandy loam	М	М	М	Fallow/Rice	10-10-2019 to 18-10-2019	01-03-2020 to 08-03-2020	220.30	14
Gram	Rabi	Irrigated	Sandy loam	М	М	М	Fallow/ Rice	20-10-2019 to 08-11-2020	25-03-2020 to 07-04-2020	302.10	17
<i>Kharif</i> onion through bulblet	Kharif	Irrigated	Sandy loam	М	М	М	Wheat	02/09/2020	16/12/2020	-	-
Kharif onion	Kharif	Irrigated	Sandy loam	М	М	М	Wheat	08/09/2020	25/12/2020	75.0	01

#### Technical Feedback on the demonstrated technologies

S. No	Feed Back
1	Giriraj is a high yielding variety of mustard crop for timely sown condition as compare to other varieties and found suitable for NCT Delhi.
2	Chick pea variety GNG 1958 found suitable for the region where irrigation water is not saline
3	<i>Kharif</i> onion variety ADR is a newly introduced in the area and found suitable for NCT Delhi through bulblets.

#### Farmers' reactions on specific technologies

S. No	Feed Back
1	Mustard Variety Giriraj is a high yielding and bold seeded.
2	Chick pea variety GNG 1958 is bold seeded and high yielding.
3	Best option for onion production during lean period to fetch more income

# Extension and Training activities under FLD

S. No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Field days	2	25/02/2020 mustard var. Giriraj, 28/02/2020 mustard var. RH749	74	
2	Farmers Training	2	7/10/2020 and 19/10/2020	38	

#### **Performance of Frontline demonstrations**

#### Frontline demonstrations on oilseed crops

_		technology		No. of	Area		Yi	eld (q/ha)		%	Econ	omics of c (Rs./	lemonstra ha)	tion	Economics of check (Rs./ha)			
Сгор	Thematic Area	demonstrated	Variety	Farmers	(ha)	High	Dem Low	o Average	Check	in yield	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Mustard	Сгор	Improved variety + Nutrient and	RH 749	60	24	24.70	14.80	21.00	18	16	23510	76760	53250	2.3	22540	68400	45860	2.23
	management	weed management	Giriraj			24.00	17.30	20.20	18	13	23510	79781	56271	2.7	22540	68400	45860	2.23

#### Frontline demonstration on pulse crops

	Thematic	technology		No. of	Area		Yi	eld (q/ha)		. %	Econ	omics of d (Rs./	emonstra ha)	tion	E	conomics (Rs./I	of check ha)	
Сгор	Area	demonstrated	Variety	Farmers	(ha)	High	Dem Low	o Average	Check	in yield	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
Chickpea	Chickpea	Crop management	Improved variety + Nutrient and weed management	GNG- 1958	20	24	13	16.50	14	17	26832	82500	55668	2.07	25450	70000	44550	1.70

# FLD on Other crops

Catagory 8	ory & Thematic Area Name of		No. of	Aroa		Yie	eld (q/ha)	-	% Change	Econom	ics of dem	onstration (	Rs./ha)	Eco	nomics of o	check (Rs./	ha)
Calegory &	Thematic Area	technology	Farmers	Aled (ha)		Demo		Check	in Viold	Gross	Gross	Net	BCR	Gross	Gross	Net	BCR
Стор		teennology	I almers	(iia)	High	Low	Average			Cost	Return	Return	(R/C)	Cost	Return	Return	(R/C)
Cereals																	
Wheat	Crop management	Improved variety HD 3226	18	7.2	-	-	56.81	45.6	24.50	46436	128625	82189	1.77	46436	105745. 6	59309	1.28
		HPBW01			-	-	49.4	45.6	8.40	46436	112879	66443	1.73	46436	105745. 6	59309	1.28
<i>Kharif</i> onion through bulb lets	Varietal Evaluation	Improved variety of Kharif onion	05	0.1	172	160	165.4	155.0	6.70	62500	36388 0	301380	4.82	62500	34100 0	27850 0	4.45
<i>Kharif</i> onion	IPM	IPM	05	0.1	172	160	165.4	155.0	6.70	62500	36388 0	301380	4.82	62500	34100 0	27850 0	4.45

# FLD on Women Empowerment

Category	Name of technology	No. of demonstrations	Name of observations	Demonstration	Check
Pearl Millet	Nutritional Security	4	Iron and zinc content and yield	Demonstration on Biofortified crops	86M11

#### FLD on Other Enterprise: Kitchen Gardening

Category and Crop	Thematic area	Name of the technology	No. of Farmer	No. of Units	Yield	l (Kg)	% change in	Other j	parameters	Ec	onomics of d (Rs./	lemonstratio /ha)	on		Economics (Rs./h	of check a)	
		demonstrated			Demons ration	Check	yield	Demo	Check	Gross Cost	Gross Return	Net Return	BCR (R/C)	Gross Cost	Gross Return	Net Return	BCR (R/C)
<i>Kharif</i> season vegetables crops	Household Food security through Kitchen Gardening & Nutritional gardening	Kitchen Gardening & Nutritional gardening	9	9	132	-	-	132	-	1500/un it	6605/uni t	5105/uni t	3.40:1	-	_	-	

# III. Training Programme

# Farmers' Training including sponsored training programmes (on campus)

Thematic area	No. of				I	Participant	S	Grand Total			
	courses		Others			SC/ST		(	Frand Tota	al	
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
I Crop Production											
Weed Management											
Resource Conservation Technologies											
Cropping Systems											
Crop Diversification											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management											
Soil & water conservation											
Integrated nutrient management											
Production of organic inputs											
Others (nl specify) Use of mobile app for weather											
forecasting	1	4	20	24	-	-	-	4	20	24	
Total	1	4	20	24	-	-	-	4	20	24	
II Horticulture	_	-									
a) Vegetable Crops											
Production of low value and high value crops											
Off-season vegetables	1	15	-	15	1	-	1	16	-	16	
Nursery raising	_				-		-				
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation											
Others (pl specify)											
Total (a)	1	15	-	15	1	-	1	16	-	16	
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit											
Management of young plants/orchards											
Rejuvenation of old orchards											
Export potential fruits											
Micro irrigation systems of orchards											
Plant propagation techniques											
Others (pl specify)											
Total (b)											
c) Ornamental Plants											
Nursery Management											
Management of potted plants											
Export potential of ornamental plants											
Propagation techniques of Ornamental Plants											
Others (pl specify)											
Total ( c)											
d) Plantation crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (d)											
e) Tuber crops											
Production and Management technology											
Processing and value addition											
Others (pl specify)											
Total (e)											
f) Spices											
Production and Management technology											
Processing and value addition											
Others (pl specify)		l									

										28
Total (f)										
g) Medicinal and Aromatic Plants										
Reduction and management technology										
Post harvest technology and value addition										
Others (pl specify)										
Total (g)										
GT (a-g)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management										
Production and use of organic inputs										
Management of Problematic soils										
Nutrient Use Efficiency										
Balance use of fertilizers										
Soil and Water Testing										
Others (pl specify)										
Total										
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
A nimel Nutrition Management										
Disease Management										
Feed & fodder technology										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost										
diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques									-	
Value addition	1	1	8	9	-	-	-	1	8	9
Women empowerment										
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	1	1	8	9	-	-	-	1	8	9
VI Agril. Engineering										
Farm Machinary and its maintenance										
Installation and maintenance of micro irrigation										
systems										
Use of Plastics in farming practices										
Repair and maintenance of farm machinery and					<u> </u>					
implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total		ļ								
VII Plant Protection										
Integrated Pest Management										
Bio-control of pests and diseases										
Production of bio control agents and bio										
pesticides										
Others (pl specify)										

										29
Total										
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater										
prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible ovster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-nesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Ree-colonies and way sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Aniculture										
Others (pl specify)										
Total										
V Consoity Puilding and Crown Dynamics										
A Capacity Building and Group Dynamics										
Croup dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/vouths										
WTO and IDP issues										
Others (nl specify)										
Total										
VI A are forestry										
Production technologies										
Nursery menagement										
Integrated Farming Systems										
Others (nl specify)										
Total										
	2	20	20	10	1		1	21	20	40
UNAND IVIAL	3	40	40	40	1	-	1	41	20	47

#### Farmers' Training including sponsored training programmes (off campus)

Thematic area	No. of	No. of Participants									
	courses		Others			SC/ST		(	Frand Tota	al	
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
I Crop Production											
Weed Management											
Resource Conservation Technologies	2	45	-	45	2	-	2	47	-	47	
Cropping Systems											
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management											
Soil & water conservation											
Integrated nutrient management											

Production of organic inputs         I											30
Others of specify Use of LCT for weather         1         23         -         23         -         23         -         23         -         23         23         -         23         23         -         23         23         -         23         23         -         23         23         -         70         170 </td <td>Production of organic inputs</td> <td></td>	Production of organic inputs										
Interacting         1         23            2         70          70           Il Idericulare         3         68          68         2          70          70           Il Merchale and Digh valume corps         0          68         0 <td>Others (pl specify) Use of ICT for weather</td> <td></td>	Others (pl specify) Use of ICT for weather										
Ideal         S         68         2         -         2         70         -         70           a) Vegetable Cross         -         -         -         -         -         -         70         -         70           a) Vegetable Cross         -         -         -         -         -         -         -         -         -         -         -         -         70         -         70           Processing and probles         -	forecasting	1	23	-	23	-	-	-	23	-	23
II introduce         Image	Total	3	68	-	68	2	-	2	70	-	70
Interpretation Comps         Image of the second sec	II Horticulture										
Finite of the version of the set	a) vegetable Crops										
Outcome Section Sectin Section Sectin Section Section Section Section Section Section S	Off season vagetables										1
Exotic segretables         Image:	Nursery raising										ł
Experiprional regentibles         Image and other set of the set of	Exotic vegetables										1
Grading and standardization         Image of the standardization <thi< td=""><td>Export potential vegetables</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></thi<>	Export potential vegetables										
Processive cultivationImage and the set of product o	Grading and standardization										
Others (p) specify)         Image of the specify	Protective cultivation										
Total (a)Image	Others (pl specify)										
b) Proits     Image of Proning     Image of Ochads     Image ochads <td< td=""><td>Total (a)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Total (a)										
Training and Punning         Imagement Orchards         Image	b) Fruits										
Layout and Management of Orchards         Image of the second	Training and Pruning										
Cutitizion of Fruit         Imagement of young plants/orchands         Imagement young plants/orchands         Imagement you	Layout and Management of Orchards										
Management of young platts'orchards         Image of the second systems of orchards         Image of the second systems of the second systems of orchards         Image of the second systems of the second systems of the second systems of orchards         Image of the second systems of the second system systems of the second sys	Cultivation of Fruit										
Rejurnation of od or ordards	Management of young plants/orchards										
Export protential fruits	Rejuvenation of old orchards										l
Mucho myselis of ordinates         Image of the highest of the h	Export potential fruits										<u> </u>
Table probagation technology         Image of the second seco	Plant propagation techniques										+
Outer (r)         Outer (r) <thouter (r)<="" th=""> <thouter (r)<="" th=""> <tho< td=""><td>Others (pl specify)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>+</td></tho<></thouter></thouter>	Others (pl specify)										+
Ornamental PlantsImagement of potted plantsImagement of potted plantsImagement of potted plantsExport potential of ornamental plantsImagement of potted plantsImagement of potted plantsImagement of potted plantsColumn (plants of potted plantsImagement of potted plantsImagement of potted plantsImagement of potted plantsColumn (plants of plants of plants of plantsImagement of potted plantsImagement of potted plantsImagement of plantsOthers (plants of plantsImagement of potted plantsImagement of plantsImagement of plantsImagement of plantsProduction and Management technologyImagement of plantsImagement of plantsImagement of plantsImagement of plantsProduction and Management technologyImagement of plantsImagement plantsImagement of plantsImagement plantsProduction and Management technologyImagement technologyImagement plantsImagement plantsImagement plantsProduction and Management technologyImagement plantsImagement plantsImagement plantsImagement plantsP	Total (b)										ł
Narsery Management Management of potted plants Export potential of omamental plants Propagation techniques of Omamental Plants Others (a) psecify) Total (c) d) Planation crops Production and Management technology Processing and value addition Chers (a) psecify) Total (b) Production and Management technology Processing and value addition Chers (a) psecify) Total (c) Production and Management technology Processing and value addition Chers (a) psecify) Management technology Processing and value addition Chers (a) psecify) Chers (b) psecify)	c) Ornamental Plants										1
Management of potted plants       Imagement of potted plants       Imagement of potted plants       Imagement plants <thimagement plants<="" th="">       Imagement plants       <thim< td=""><td>Nursery Management</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td><u> </u></td></thim<></thimagement>	Nursery Management										<u> </u>
Export potential of ornamental plantsImage: second sec	Management of potted plants										
Propagation techniques of Ornamental Plants         Image: solution of the sol	Export potential of ornamental plants										
Others (pl specify)         Image: margin of the second secon	Propagation techniques of Ornamental Plants										
Total (c)Image: Control of the second se	Others (pl specify)										
d) Plantation cropsImage with the second	Total ( c)										
Production and Management technology       Image of the specify       Image of the specify       Image of the specify       Image of the specify         Others (pl specify)       Image of the specify       Image of the specify       Image of the specify       Image of the specify         Production and Management technology       Image of the specify       Image of the specify       Image of the specify       Image of the specify         Production and Management technology       Image of the specify       Image of the specify       Image of the specify       Image of the specify         Total (c)       Image of the specify         Production and Management technology       Image of the specify         Production and Management technology       Image of the specify       <	d) Plantation crops										
Processing and value addition	Production and Management technology										
Others (p) specify)       Image: Specify (p)	Processing and value addition										ļ
Iotal (0)Image: Constraint of the second	Others (pl specify)										
C) Tuber Projos       Image of the second seco	Total (d)										
Induction and ManagementImagementImagementImagementImagementImagementImagementOthers (pl specify)ImagementImagementImagementImagementImagementImagementOthers (pl specify)ImagementImagementImagementImagementImagementImagementProcessing and value additionImagementImagementImagementImagementImagementImagementProcessing and value additionImagementImagementImagementImagementImagementImagementProduction and managementImagementImagementImagementImagementImagementImagementProduction and managementImagementImagementImagementImagementImagementImagementProduction and managementImagementImagementImagementImagementImagementImagementProduction and managementImagementImagementImagementImagementImagementImagementProduction and managementImagementImagementImagementImagementImagementImagementIntegrated Nutrient ManagementImagementImagementImagementImagementImagementImagementIntegrated Nutrient ManagementImagementImagementImagementImagementImagementImagementIntegrated Nutrient ManagementImagementImagementImagementImagementImagementImagementIntegrated Nutrient ManagementImagement	e) Tuber crops										+
Intersting and value dationImage of the second	Processing and value addition										ł
Total (e)Image: Constraint of the second	Others (nl specify)										
f) SpicesImage: spice of the spi	Total (e)										
Production and Management technologyImage of the section of the sectin	f) Spices										
Processing and value additionImage of the second systemImage of the second system<	Production and Management technology										
Others (pl specify)Image of the second systemImage o	Processing and value addition										
Total (f)Image of the second seco	Others (pl specify)										
g) Medicinal and Aromatic PlantsImage: Constraint of the second seco	Total (f)										
Nursery managementImage	g) Medicinal and Aromatic Plants										
Production and management technologyImagementImage	Nursery management										
Post harvest technology and value additionImage of the second	Production and management technology										
Others (pr specify)Image: Specify of the specific term and specific term a	Others (releaseify)										
Initial (g)Image: Constraint of the second seco	Total (g)										<u> </u>
Of (arg)Image: Constraint of the second	CT (9-g)										<u> </u>
Soil fertility managementImagement <t< td=""><td>III Soil Health and Fertility Management</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	III Soil Health and Fertility Management										
Integrated water management118-182-220-20Integrated Nutrient Management118-182-220-20Production and use of organic inputs236-364-440-40Management of Problematic soils236-364-440-40Micro nutrient deficiency in crops10Nutrient Use EfficiencyBalance use of fertilizers182-220-20-20Others (pl specify)-118-182-220-2020Total472-728-880-80	Soil fertility management										<u> </u>
Integrated Nutrient Management       1       18       -       18       2       -       2       20       -       20         Production and use of organic inputs       2       36       -       36       4       -       4       40       -       40         Management of Problematic soils       2       36       -       36       4       -       4       40       -       40         Micro nutrient deficiency in crops       2       2       36       -       2       20       -       40         Nutrient Use Efficiency       2	Integrated water management		1		1		1		1		1
Production and use of organic inputs236-364-440-40Management of Problematic soils4040Micro nutrient deficiency in crops <td>Integrated Nutrient Management</td> <td>1</td> <td>18</td> <td>-</td> <td>18</td> <td>2</td> <td>-</td> <td>2</td> <td>20</td> <td>-</td> <td>20</td>	Integrated Nutrient Management	1	18	-	18	2	-	2	20	-	20
Management of Problematic soilsImage of the solution	Production and use of organic inputs	2	36	-	36	4	-	4	40	-	40
Micro nutrient deficiency in cropsImage: constraint of the second se	Management of Problematic soils										
Nutrient Use EfficiencyImage: Constraint of the state of t	Micro nutrient deficiency in crops										
Balance use of fertilizers         Image: Constraint of the straint of the stra	Nutrient Use Efficiency										
Soil and Water Testing       1       18       -       18       2       -       2       20       -       20         Others (pl specify)       -       -       18       2       -       2       20       -       20         Total       4       72       -       72       8       -       8       80       -       80         IV Livestock Production and Management       -       -       72       8       -       8       80       -       80	Balance use of fertilizers		10		10				•		
Others (p) specify)     4     72     -     72     8     -     8     80     -     80       IV Livestock Production and Management     -     -     -     -     -     -     -     -     -     80	Soll and Water Testing	1	18	-	18	2	-	2	20	-	20
10tal     4     12     -     12     80     -     80       IV Livestock Production and Management     -     -     -     -     80	Uners (pl specify)	1	70		70	0		0	00		00
	IVIAI IV Livestock Production and Management	4	14	-	14	0	-	o	00	-	00

										31
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
East & fodder technology										
Production of quality animal products										
Others (nl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient	1		20	20		2	2		20	20
Minimization of nutrient loss in processing	1	-	20	20	-	2	2	-	30	- 30
Processing and cooking	1	-	22	22	-	2	2	-	24	24
Gender mainstreaming through SHGs	1									
Storage loss minimization techniques	1	-	20	20	-	3	3	-	23	23
Value addition	2	-	35	35	-	2	2	-	37	37
Women empowerment	1	-	21	21	-	-	-	-	21	21
Location specific drudgery reduction technologies										
Rural Crafts										
Women and child care										
Others (pl specify)	6		126	126		0	0		125	125
10tal VI Agril Engineering	0	-	120	120	-	9	9	-	155	155
Farm Machinary and its maintenance										
Installation and maintenance of micro irrigation										
systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	2	65	4	69	5	-	5	70	4	74
Integrated Disease Management										
Bio-control of pests and diseases										
pesticides										
Others (pl specify)										
Total	2	65	4	69	5	-	5	70	4	74
VIII Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater										
Prawin Breading and culture of ornamental fishes										
Portable plastic carp batchery					<u> </u>					
Pen culture of fish and prawn										
Shrimp farming								L		
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)				ļ						
Total										
IX Production of Inputs at site										
Seed Production										
Rio-agents production					<u> </u>					
210 agents production	L	1	L	1			L			1

										32
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom Production										
Apiculture										
Others (pl specify)										
Total										
X Capacity Building and Group Dynamics										
Leadership development										
Group dynamics	1	20	-	20	-	-	-	20	-	20
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
WTO and IPR issues										
Others (pl specify)										
Total	1	20	-	20	-	-	-	20	-	20
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify) Organic Farming	1	-	18	-	-	-	-	18	-	18
Total	1	-	18	-	-	-	-	18	-	18
GRAND TOTAL										

#### Farmers' Training including sponsored training programmes – CONSOLIDATED (On + Off campus)

Thematic area	No. of	No. of Participants									
	courses	Original     Grand Total       Sees     Others     SC/ST     Grand Total       Male     Female     Total     Male     Female     Total									
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
I Crop Production											
Weed Management											
Resource Conservation Technologies	2	45	-	45	2	-	2	47	-	47	
Cropping Systems											
Crop Diversification											
Integrated Farming											
Micro Irrigation/irrigation											
Seed production											
Nursery management											
Integrated Crop Management											
Soil & water conservatioin											
Integrated nutrient management											
Production of organic inputs											
Others (pl specify) Use of mobile app for weather											
forecasting	1	4	20	24	-	-	-	4	20	24	
Use of ICT for weather forecasting	1	23	-	23	-	-	-	23	-	23	
Total	4	72	20	92	2	-	2	74	20	94	
II Horticulture											
a) Vegetable Crops											
Production of low value and high valume crops											
Off-season vegetables	1	15	-	15	-	-	-	15	-	15	
Nursery raising											
Exotic vegetables											
Export potential vegetables											
Grading and standardization											
Protective cultivation											
Others (pl specify)											
Total (a)	1	15	-	15	-	-	-	15	-	15	
b) Fruits											
Training and Pruning											
Layout and Management of Orchards											
Cultivation of Fruit											

										33
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Others (pl specify)										
Total (b)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl specify)										
Total ( c)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Total (d)										
a) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (e)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl specify)										
Total (f)										
g) Medicinal and Aromatic Plants										
Nursery management										
Production and management technology										
Others (pl specify)										
Total (g)										
GT (a-g)										
III Soil Health and Fertility Management										
Soil fertility management										
Integrated water management										
Integrated Nutrient Management	1	18	-	18	2	-	2	20	-	20
Production and use of organic inputs	2	36	-	36	4	-	4	40	-	40
Management of Problematic soils										
Micro nutrient deficiency in crops										
Relance use of fortilizers										
Soil and Water Testing	1	18	_	18	2		2	20	_	20
Others (nl specify)	1	10	-	10	2	-	2	20	-	20
Total	4	72	-	72	8	-	8	80	-	80
IV Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Disease Management										
Production of quality animal products										
Others (pl specify)										
Total										
V Home Science/Women empowerment										
Household food security by kitchen gardening and										
nutrition gardening										
Design and development of low/minimum cost										
diet										
Designing and development for high nutrient			20	<b>2</b> 0		2	2		20	20
eniciency diet	1	-	28	28	-	2	2	-	30	30
Processing and cooking	1	-	22	22	-	2	2	-	24	24
<u> </u>										

										34
Gender mainstreaming through SHGs										
Storage loss minimization techniques	1	-	20	20	-	3	3	-	23	23
Value addition	2	-	35	35	-	2	2	-	37	37
Women empowerment	1	-	21	21	-	-	-	-	21	21
Rural Crafts										
Women and child care										
Others (pl specify)										
Total	6	-	126	126	-	9	9	-	135	135
VI Agril. Engineering										
Farm Machinary and its maintenance										
Installation and maintenance of micro irrigation										
systems										
Dise of Plastics in farming practices										
Repair and maintenance of farm machinery and										
implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl specify)										
Total										
VII Plant Protection										
Integrated Pest Management	2	65	4	69	5	-	5	70	4	74
Integrated Disease Management								-		
Bio-control of pests and diseases										
pesticides										
Others (pl specify)										
Total	2	65	4	69	5	-	5	70	4	74
VIII Fisheries			_		-					
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater										
prawn Breading and culture of ornamental fiches										
Portable plastic carp batchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl specify)										
Total										
IX Production of Inputs at site										
Seed Production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed		ł – –		<u> </u>						
Musnroom Production										
Apiculture Others (pl specify)		1		+						
Total										
X Capacity Building and Group Dynamics										
Leadership development		1		1		h	1	1		1
Group dynamics	1	20	-	20	-	-	-	20	-	20
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										

WTO and IPR issues										
Others (pl specify)										
Total	1	20	-	20	-	-	-	20	-	20
XI Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (pl specify) Organic Farming	1	-	18	-	-	-	-	18	-	18
Total	1	-	18	-	-	-	-	18	-	18
GRAND TOTAL	17									

#### Training for Rural Youths including sponsored training programmes (On campus)

	ing No. of General SC/ST Grand Total									
Area of training	Courses		General			SC/ST			Grand Tota	
	courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of										
Horticulture crops										
Training and pruning of										
orchards										
Protected cultivation of										
vegetable crops	-									
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of										
farm machinery and										
implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal										
products										
Dairying										
Sheep and goat rearing										
Ouail farming										
Piggerv										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing								+		
technology										
Erry and fingerling rearing								+		
Any other (nl specify)	+							<u> </u>		
TOTAL										
IUIAL	1	1	1	1	1	1		1	1	

#### Training for Rural Youths including sponsored training programmes (Off campus)

	No. of				No. of	Participants	8			
Area of training	Courses		General	<b>T</b> ( )		SC/ST	<b>T</b> ( )		Grand Tota	
Numerary Management of		Male	Female	Total	Male	Female	Total	Male	Female	Total
Horticulture crops										
Training and pruning of										
orchards										
Protected cultivation of										
vegetable crops										
Commercial fruit production										
Integrated forming										
Seed production										
Broduction of organic inputs										
Planting material production										
Vermi culture										
Mushroom Production										
Realization Floadction										
Serieulture			-							
Densin and maintenance of										
forme and maintenance of										
implements										
Value addition										
			-							
Dest Hervest Technology			-							
Toiloring and Stitching			-							
Dural Crafts										
Rural Craits										
production of quality animal										
Deirwing			-							
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing										
technology										
Fry and fingerling rearing										
Any other (pl.specify) In situ	2	45	-	45	5	-	5	50	-	50
crop residue management					_			= 0		=0
TOTAL	2	45	-	45	5	-	5	50	-	50

#### Training for Rural Youths including sponsored training programmes – CONSOLIDATED (On + Off campus)

	No. of				No. of	<sup>†</sup> Participant	5			
Area of training	INO. OI		General			SC/ST			Grand Tota	1
	Courses	Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of										
Horticulture crops										
Training and pruning of										
orchards										
Protected cultivation of										
vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										

Repair and maintenance of										
farm machinery and										
implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal										
products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing										
technology										
Fry and fingerling rearing										
Any other (pl.specify)	2	45	-	45	5	-	5	50	-	50
TOTAL	2	45	-	45	5	-	5	50	-	50

#### Training programmes for Extension Personnel including sponsored training programmes (on campus)

					No.	of Particip	oants						
Area of training	Courses		General			SC/ST		(	Grand Tota	վ			
		Male	Female	Total	Male	Female	Total	Male	Female	Total			
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Production and use of organic inputs													
Care and maintenance of farm machinery and implements													
Gender mainstreaming through SHGs													
Formation and Management of SHGs													
Women and Child care													
Low cost and nutrient efficient diet designing	1	-	18	18	-	1	1	-	19	19			
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Management in farm animals													
Livestock feed and fodder production													
Household food security	1	-	38	38	-	2	2	-	40	40			
Any other (pl.specify)													
TOTAL	2	-	56	56	-	3	3	-	59	59			

#### Training programmes for Extension Personnel including sponsored training programmes (off campus)

		No. of Participants								
Area of training	Courses		General			SC/ST		(	Grand Tota	al
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										

Gender mainstreaming through SHGs					
Formation and Management of SHGs					
Women and Child care					
Low cost and nutrient efficient diet designing					
Group Dynamics and farmers organization					
Information networking among farmers					
Capacity building for ICT application					
Management in farm animals					
Livestock feed and fodder production					
Household food security					
Any other (pl.specify)					
TOTAL					

# Training programmes for Extension Personnel including sponsored training programmes – CONSOLIDATED (On + Off campus)

			oants							
Area of training	Courses		General			SC/ST		Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing	1	-	18	18	-	1	1	-	19	19
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security	1	-	38	38	-	2	2	-	40	40
Any other (pl.specify)										
TOTAL	2	-	56	56	-	3	3	-	59	59

#### Table. Sponsored training programmes

Area of training	No. of Courses				No.	of Particip	pants			
Area of training			General	-		SC/ST		Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops										
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management										
Production of Inputs at site										
Methods of protective cultivation										
Others (pl. specify)										
Total										
Post harvest technology and value addition										
Processing and value addition										
Others (pl. specify)										
Total										
Farm machinery										
Farm machinery, tools and implements(under CRM Project)	5	100	3	103	20	2	22	120	5	125
Others (pl. specify)										
Total	5	100	3	103	20	2	22	120	5	125
Livestock and fisheries										
Livestock production and management										

Animal Nutrition Management					
Animal Disease Management					
Fisheries Nutrition					
Fisheries Management					
Others (pl. specify)					
Total					
Home Science					
Household nutritional security					
Economic empowerment of women					
Drudgery reduction of women					
Others (pl. specify)					
Total					
Agricultural Extension					
Capacity Building and Group Dynamics					
Others (pl. specify)					
Total					
GRAND TOTAL					

#### Name of sponsoring agencies involved

# Details of vocational training programmes carried out by KVKs for rural youth

	No. of				No. of	Participant	s			
Area of training	Courses		General			SC/ST			Grand Tota	1
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Commercial floriculture										
Commercial fruit production										
Commercial vegetable production										
Integrated crop management										
Organic farming	1	22	6	28	2	-	2	24	6	30
Others (pl. specify)										
Total	1	22	6	28	2	-	2	24	6	30
Post harvest technology and value										
addition			1.0					<u> </u>	1.0	
Value addition	1	4	10	14	-	-	-	4	10	14
Others (pl. specify)			10	14	-				10	14
	1	4	10	14	-	-	-	4	10	14
Livestock and fisheries										
Dairy farming										
Composite fish culture										
Sheep and goat rearing										
Piggery										
Poultry farming										
Others (pl. specify)										
								1		
Version activities										
Production of his agents his						-				
Production of bio-agents, bio-										
bio-fertilizers etc										
and implements										
Bee Keeping	1	10	3	13	2	2	1	12	5	17
Rural Crafts	1	10	5	15		2	т	12	5	17
Seed production										
Sericulture										
Mushroom cultivation	1	21	3	24	3	_	3	24	3	27
Numerany, anofting ato	1	16	1	17	2	1	3	18	2	20
Toiloring stitching amhroidem	1	10	1	17	2	1	5	10	2	20
dving etc										
Agril para-workers para-vet training										
Others (nl_specify)										
Total	3	47	7	54	7	3	10	54	10	64
Agricultural Extension	5		,		,	5	10	54	10	04
Capacity building and group	1							1		
dynamics										
Others (pl. specify)					1			1		
Total								İ		
Grand Total	5									

			No. of	TOTAL
Activities	No. of programmes	No. of farmers	Extension	
			Personnel	
Advisory Services	20	189	-	89
Diagnostic visits	48	82	-	82
Field Day	2	74	6	80
Farmers Meeting	21	324	-	324
Kisan Ghosthi	7	302	-	302
Film Show	4	100	-	100
Self -help groups	8	320	5	355
Exhibition	2	1000	6	1006
Scientists' visit to farmers field	274	345	-	345
animal health camps	1	47	5	52
Farm Science Club/FPO	4	70	-	70
Lecture delivered	27	942	10	952
Method Demonstrations	10	100	5	105
Celebration of important days				
International Women Day				
Mahila Kisan Divas	11	286	55	341
Rashtriya Poshan Maah				
Celebration of world soil day				
Parthenium Week				
Yoga Day				
Special Day celebration		127		127
150 <sup>th</sup> Birth Anniversary of Mahtma Ghandi Ji	6		-	
Exposure visits	2	30	5	35
Others (pl. specify)			-	156
Swachata Pakhwada 16-30 December, 2020	8	156		
Total	455	4494	97	4591

# **IV.Extension Programmes**

# Details of other extension programmes

Particulars	Number
Electronic Media (CD./DVD)	5
Extension Literature	8
News paper coverage	7
Popular articles	-
Radio Talks	3
TV Talks	12
Animal health amps (Number of animals treated)	1
Others (pl. specify)	-
Total	36

#### M-Kisan

M				Type of Mess	ages		
Message Type	Сгор	Livestock	Weather	Marketing	Aware- ness	Other enterprise	Total
Text only	25	-	-	-	1	3	29
Text only (Whats App Group)	100	-	40	5	10	-	155
Voice only	-	-	-	-	-	-	-
Voice & Text both	-	-	-	-	-	-	-
Total Messages	125	-	40	5	1	3	29
Total farmers Benefitted	15680	-	40	5	1476	4014	21215

# **V. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS**

Number of KVKs organized	Types of Activities	No. of	Number of Participants	Related crop/livestock technology
Technology Week	Costhias	Activities	1 al ticipants	
	Gostilles			
	Lectures organized			
	Exhibition			
	Film show			
	Fair			
	Farm Visit			
	Diagnostic Practical			
	Distribution of Literature (No.)			
	Distribution of Seed (q)			
	Distribution of Planting materials (No.)			
	Bio Product distribution (Kg)			
	Bio Fertilizers (q)			
	Distribution of fingerlings			
	Distribution of Livestock specimen (No.)			
	Total number of farmers visited the			
	technology week			

#### VI. PRODUCTION OF SEED/PLANTING MATERIAL AND BIO-PRODUCTS Production of seeds by the KVKs

Сгор	Name of the crop	Name of the variety	Name of the hvbrid	Quantity of seed	Value (Rs)	Number of farmers
Cereals						
	Wheat	HD-3226	Foundation	45.60	171000	114
		HD-2967	TL	80.64	262080	201
Oilseeds Mustard		Giriraj IJ 31	TL	15.50	91450	775
Pulses						
Commercial crops						
Vegetables	Palak	Pusa All Green	TL	15.14	90840	189
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others						
Total				156.88	615370	1279

Сгор	Name of the crop	Name of the variety	Name of the hybrid	Number	Value (Rs.)	Number of farmers
Commercial						
Vegetable seedlings	Cabbage	Charmanth	F1	383	766	22
	Broccoli	Saki	F1	679	1358	15
	Tomato	Arka Rakshak Shasdhari Suto	F1	5819	11638	60
	Chili	Megadheera Sakata 651	F1	3393	6786	40
	Brinjal	992	F1	1932	3864	35
	Cauliflower	Cashmere Sakata 651	F1	771	1542	18
	Total			12977	25954	190

# Production of planting materials by the KVKs

# **Production of Bio-Products**

	Name of the bio-product	Quantity		
Bio Products		Kg	Value (Rs.)	No. of Farmers
Bio Fertilizers	Vermi compost	7166	107490	1433
Total		7166	107490	1433

# VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)	No. of soil health cards distributed
Soil	280	270	35	-	280
Water	105	105	33	-	-
Plant	74	74	14	-	-
Total	459	459	82	-	280

# VIII. SCIENTIFIC ADVISORY COMMITTEE

Name of KVK	Date of SAC Meeting	Participants
Ujwa, Delhi	26/12/2020	19

# IX. NEWSLETTER/MAGAZINE

Name of News letter/Magazine	No. of Copies printed for distribution
Krishi Vahini Jan-June 2020	200
Krishi Vahini July- December 2020	200

# X. PUBLICATIONS

Category	Number
Research Paper	5
Technical bulletins	-
Technical reports	4
Others (pl. specify)	
Others (pl. specify) – Extension Folder/Pamphlet	
Formation of Farmer Producer Organization	5000
Wheat sowing technique of Zero tillage	2000
Direct Seeder Rice through zero tillage	2000
Azola Production	2000
Organic Farming	2000
Terrace Vegetable cultivation	2000
New Farmer bill-2020	2000

# XII. INTERVENTIONS ON IN-SITU CROP RESIDUE MANAGEMENT

#### Large scale adoption of resource conservation technologies

Crops/cultivars and gist of resource conservation	Area (ha)	Number of farmers
technologies introduced		
Direct Wheat sowing through Happy Seeder	50	60
Direct Wheat sowing through Zero Tillage	80	90
In-situ Management of crop residue through new farm	40	50
machineries like Mulcher, Shrub Master and M.B.		
Plough		
Total	170	200

### Awareness campaign

	Meetings		Meetings         Gosthies         Fiel           /Training         ////////////////////////////////////		ld days	Farmers fair		Exhibition		Film show		
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No. of farmers	No.	No.of farmers
	6	160	5	125	1	-	I	-	-	-	2	30
Total	6	160	5	125	-	-	-	-	-	-	2	30

#### Title of the training No of programmes **No. of Participants** No. of KVKs involved programmes State Level Work Plan (2020) Workshop for KVKs of Haryana and Delhi states on 5<sup>th</sup> 1 4 19 February, 2020 Virtual Annual Zonal Review Workshop of KVKs of Zone-II 8 1 63 during 17<sup>th</sup> to 19<sup>th</sup> July, 2020 Virtual Zonal Workshop-cum-Training of CFLDs on Pulses under NFSM for KVKs of Rajasthan, Haryana and Delhi 1 3 63 during 23rd to 24th November, 2020 Online-Review workshop under GKMS project by ICAR-ATARI, Zone-II, Jodhpur on 1 3 16 07<sup>th</sup> September, 2020 Total 4 18 161

# XIII. DETAILS ON HRD ACTIVITIES

A. HRD activities organized in identified areas for KVK staff by ATARI

# **Success Story on Gardner**

#### MR. Mukesh Kuma, Job Role: Gardener New Delhi

"To plant a tree is to believe in tomorrow". Mr. Mukesh Kumar of Ujwa, New Delhi, is from a poor family. His father worked as a daily wage labourer. It was very difficult for him to mobilize the requisite resources due to which Mr. Mukesh had to discontinue his studies after matriculation. As a result, he had very few job opportunities and received very low wages. This made him determined to change his life. Fortunately at this juncture, he came to know about the KVK training on gardening that was being conducted Institute by ASCI at Ujwa, New Delhi. He contacted them for admission and joined. During the training, the experts at KVK gave him great support. They motivated him and guided him. He is now working in Ch. Brahm Prakash Ayurvedic Charak Sansthan, at Kheda Dabur New Delhi. He is the proud recipient of the 'Best Mali Award' and is also expected to be promoted in the near future. On an average he now earns about Rs 20,000/- per month. He is very thankful to the Krishi Vigyan Kendra (NHRDF), Ujwa, New Delhi, ICAR-ATARI, Jodhpur (Rajasthan), Ministry of Agriculture, NSDC & ASCI for facilitating his personal & professional development.

	Personal Details				
1.	Name of the Farmer/ Trainee	Mukesh Kumar			
2.	Address	VPO-Ujwa, New Delhi-110073			
3.	Mobile No	9871734273			
4.	State	Delhi			
5.	Age of person	40			
6.	Batch ID No.	394671			
7.	Aadhar No.	628158676341			
8.	Duration of Course	200 hrs			
9.	Qualification	10 <sup>th</sup> pass			
	Detail of the Success S	Story			
10.	Major Occupation of the farmer/ trainee	Agriculture			
11.	Course Undertaken (QP/Job Role)	Gardeners			
12.	Name of the scheme (RKVY, DDUGKY,	NHRDF-MIDH			
	STAR etc.)				
13.	Nodal Training Institute	Krishi Vigyan Kendra, (NHRDF), Ujwa,			
		New Delhi -110073			
14.	Annual Income before Training	Unemployed			
15.	Annual Income after Training	20000 / per month (Annual 2,40,000/- per year)			
16.	Enlist the Skill development after the training	As Mali post employed at Ch. Brahmhe Prakash,			

	46
	Ayurvedic Charak Sansthan, Kheda Dabur, New Delhi-
	110073
Output of the Success	Story
1. Background of the person (family, social as well	Mr. Mukesh Kumar a native of village Ujwa, Najafgarh,
as economic background)	New Delhi, his father Mr Zile Singh is a daily wages
	labour. He belongs to poor background and educationally
	poor due to family problem and financial problem. due to
	he was discontinued his study.
2. Challenges he faced which made him to take up	He was 10th pass and ignorant of job opportunity lower
the training	confidence level and poor knowledge.
3. His views on the course and why he should go for	He was eager to change his life but he has no money to
the training	apply for a job. So he contact KVK for admission in Skill
	development training on Gardner.
4. What are the benefits he got after getting trained	He got job of Mali in Ch. Brahmhe Prakash Ayurvedic
	Charak Sansthan, Kheda Dabur, New Delhi-110073
5. Support that he got for the training	Krishi Vigyan Kendra (NHRDF), Ujwa, New Delhi has
	given a scope to know about the job prospect, motivated
	him a lot to grow in his life. KVK expert has played a
	great role to guide and mentor his life and also he is very
	thankful to Ministry of Agri, NSDC & ASCI for showing
	him the way for his personal & professional
	development.
6.His current status (economic status and standard	His family is very happy for his success. Now he work as
of living) and his way forward/ future plans	a mali and has improved a lot. He has also got best Mali
	Award and he will be promoted in near future and his
	salary will cross 15000/- per month.
7. His message to the other aspirers	Skill development training program organized for rural
	youths for employment generation is beneficial for them to
	get success in life.

# Full view image of his farm/ working area



# **Publication in Agriculture Entrepreneurial Success Stories**





Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year	
April 2018 to March 2019	8205455.31	1106942.50	968207.82	8344190.03	
April 2019 – March 2020	8344190.03	1373740.00	1138564.82	8579365.32	

# XIII. STATUS REVOLVING FUNDs

# The KVKs implementing VATICA, NARI & Doubling Farmers income should submit one-page report with salient achievements along with photographs pertaining to year 2020.

#### Initiative under NARI scheme during the year

The level of nutrition in NCT Delhi is disturbing in spite of production of crops and vegetables. According to NFHS 4 (2015-16) survey, about 35% of all adults have BMI<18.5 in Delhi, more than 25% of women have a BMI below 18.5 in the age groups of 15-49 years, about 22 per cent of women suffer from chronic energy deficiencies, 78% of women (rural) in the age group of 15-49 years are anemic and 63% children in the age group of 6 months to 5 years are anemic.

It shows that food security does not directly translate into nutritional security. There is a disconnect between agriculture and nutrition which needs to be bridged. To address these issues, a scheme on Nutri Sensitive Agricultural Research and Innovation (NARI) was initiated by KVK, Ujwa, Delhi, during the year 2019. Under the scheme one village: Mitraon in Nazafgrh block, New Delhi had been selected. The following initiatives were undertaken during the year 2020:

• Under NARI programme, which is being started in the village Mitraon, Nazafgarh, New Delhi, during the year 2020 different agriculture interventions like field demonstrations on nutri- rich varieties, capacity building programmes, minimal processing techniques of pearl millet. The details of activities conducted during the year 2020 is given below:

S. No.	Name of crop	Variety	No. of demonstrations	Nutrient value
1	Pearl Millet	AHB -1200Fe	4	high Fe (87 ppm) and high Zn (38 ppm)

#### 1. Field Demonstrations on Nutri-crops

#### FLD on Pearl Millet:

Pearl millet is an important coarse grain cereal cultivated in states like Rajasthan, Uttar Pradesh and Haryana. It has rich composition of proteins and minerals and has several health benefits. It has the highest protein content for any grain. It contains several essential minerals like phosphorus, zinc, magnesium, essential vitamins and amino acids etc. Even though, it was part of the traditional diet pattern, but, now a days, due to changing cropping pattern and consumption pattern, such crops are disappearing from the field and diet as well (even though, pearl millets are being cultivated by the farmers but it was only for the fodder purpose). Vasantrao Naik Marathwada Krishi Vidhyapeeth, Parbhani, Maharashtra, developed iron rich pearl millet varietyAHB-1200Fe. This high iron content dual purpose pearl millet variety (AHB- 1200Fe) has been demonstrated to create awareness about its high iron content and how important it is with respect to nutrition. As it was a dual-purpose variety, the stem can be used as fodder for livestock. As the farmers were

having livestock, the straw (stem) was used as cattle feed, which is again an additional nutritional benefit to human beings who consume such milk and milk products.





#### FLD Nutritional kitchen garden -

To ensure the regular supply and consumption of seasonal nutritious vegetables (*kharif* vegetables), farm trainings on nutri-kitchen garden are given to farmers from project village. The vegetables included Spinach, Amaranths, Brinjal, Sem, Radish, Cauliflower, Pea, Bean, drumstick etc. Under this programme 10 demonstrations were conducted.

S. No.	Name of crop	Variety	No. of demonstrations	Nutrient value
1	Kharif kitchen garden seed kit	IARI	9	Iron, Vitamin A and Vitamin C rich vegetables

#### 2. Front Line Demonstrations on kitchen garden



Kitchen garden at farmer's field

#### **Capacity building interventions:**

Pearl millet is an important coarse grain cereal cultivated in states like Rajasthan, Uttar Pradesh and Haryana. It has rich composition of proteins and minerals and has several health benefits. It has the highest protein content for any grain. It contains several essential minerals like phosphorus, zinc, magnesium, essential vitamins and amino acids etc. Even though, it was part of the traditional diet pattern, but, now a days, due to changing cropping pattern and consumption pattern, such crops are disappearing from the field

and diet as well (even though, pearl millets are being cultivated by the farmers but it was only for the fodder purpose). Training programme on value added products of pearl millet was conducted at the village. Farm women were trained to prepare the value added products from pearl millet and oats and explained about their importance and nutritive value.

S. No.	Title of training	No. of participants	
1	Importance of nutritional kitchen garden	21	
2	Bakery products from pearl millet	20	



Demonstration on preparation of Bajra cookies



KVK kitchen garden visited by Anganwadi workers

#### **Initiative under Doubling Farmers Income (DFI)**

- 1. Linking Farmers to Market- Formation of Farmer Producer Organization
- Formation of Farmer Producer Organization: In this regard KVK formed one Farmer producer organizations with the financial support of NABARD name GROFREE registered under company registration Act (Registration No. U01100DL2020PTC362610) as a way forward to get some form of land consolidation and an integration of smallholders within an agricultural value chain which is critical to tackle the problem rural agrarian crisis. Such a consolidation, together with appropriate training and skill development of rural youth of the district for emerging farm and non-farm jobs, would appear to be the key to lifting the economic situation of the farmers' district. The objective of the GROFREE FPO is to form collectivize small farmers or producers for:

(a) backward linkage for inputs like seeds, fertilizers, credit, insurance, knowledge and extension services and

(b) Forward linkages such as collective marketing, processing, market agriculture production etc. At the heart of this effort is to gain collective bargaining power for small farmers/ producers.

At present there are 100 members from Tigipur, Palla and other neighboring villages





Online Training of BOD & KVK staff from BIRD, Lucknow

### Functioning of Agri produce Outlet by Grofree FPO

The lockdown announced by Government has thrown unique challenges for farmers and farmer related institutions. There is a sudden drop in demand for agricultural produce as movement of agricultural output has come to a standstill. So Grofree FPO decided to help farmers in by procuring their produce which otherwise was being taken away at throwaway prices. The vegetable produce outlet has been opened at RWA's in urban location of by the FPO. The outlet is functioning in compliance with the district administration directions. The FPO has priced all its produce 30 per cent below the market price. This has provided farmers a great relief.



S. No	Technologies intervention	Outcome/ adoption (%)
1	Fertilizer application on soil test basis	15
2	Timely management of Insect pest and diseases	40
3	Production of pulses in DFI Villages	30
4	Resource conservation practices in Rice-wheat cropping system	45
5	Formation of Farmer Producer Organization	25
6	Goat Farming	5
7	Fish Farming	15

#### **Outcome-** Following activities are running in DFI Villages

#### Success Story under DFI

#### **Adopting Advanced Pulse Production Technology**

Pulses are important source of protein, its ability to fix nitrogen, profuse and deep root system, restoration of soil fertility makes it as integral part of sustainable agriculture particularly in dry land areas. It can be grown in all three seasons i.e. Kharif, Rabi and Spring/summer. The crops grown in spring/summer are urdbean, mungbean, cowpea etc. Long term solution to fulfill the demand for pulses lies in increasing pulses production in the country. The cropping system approach to inculcate pulses under, new niches- such as mungbean in rice-wheat cropping systems, To exploit the yield potentials with aggressive ToT and location specific agronomic modules, need to be initiated.

THE TECHNOLOGY TO introduce production of moong was initiated in DFI adopted villages viz. Tigipur and Palla. Both the villages are agrarian, rain-fed, and suffer from low investments compared with other regions. The area experiencing extreme temperatures which soar to 45-47 degrees in summers and dip to 5-7 degree during winters. However, in spite of these disadvantages, the land-use pattern of area was found to be conducive for pulse production.

However, farmers were constrained by lack of up-to-date technical support that was (and is) essential for high pulse productivity. Understanding their predicament, KVK Delhi offered a viable solution in the form of the latest "pulse production technology". This aimed at augmenting the productivity and profitability of the rain-fed pulse production system, along with scientific use for sowing seeds at appropriate depth, and the proper mixing of a balanced fertilizer. To elaborate, some of the most striking results of this innovative technology have been an increase in production, with a 58-66% improvement in yield, which resulted in positive changes in the cost-benefit ratio for farmers and also in their living standards; an improvement in the health of the soil because of mung bean cultivation an increase in the water level due to line sowing; and a decrease in the growth of weed because of the fertilizers. Also, the use of weedicide (after 15-20 days of sowing) proved more effective in controlling the weed and was also found

to be a cheaper option compared to hand weeding. As has been seen, the scope of this technology is farreaching.

1. **Suitability:** The farming community in this arae was satisfied with the results of this innovation. Along with the small and marginal farmers, the technology was also adopted by big farmers and other farming communities in the nearby villages.

2. **Reusability:** This has been successfully replicated in other villages as well. For instance, the farmers in Tigipur are now able to achieve a better yield and higher remunerative prices for their produce. Almost all the farmers who have practised this technology have advocated it to other farming communities.

3. **Scalability:** Initially, this technology was tested across acres, largely in the Tigipur village. The commendable results led to the increase in the scalability of the technology by the farmers who adopted it over an additional 20 acre in the area and 47 acre for seed production.

4. **Sustainability**: The use of the root nodule bacteria of black gram in this technology helps fix the nitrogen in the soil and the crop residue supports an increase in the organic matter as well as the humus content in the soil. This has also helped accelerate the efficiency in the utilization of water and fertilizers. With better water holding capacity, better carbon-nitrogen (CN) ratio and endurance of the pulse production system in Alipur, it has been found that his innovative technology is highly sustainable.



Cluster frontline demonstrations of summer Mung crop

#### Production of Chickpea crop -

Krishi Kendra has conducted the demonstrations on Chickpea crop during *Rabi* season 2020 in adopted villages for Increase pulse production and reducing cost of crops cultivation as pulses are very less input required crop and maintain the suitability of cropping system. Demonstrations of Chickpea crop of improved Variety GNG1958 with proper weeds and nutrients management were demonstrated.