

Title: RKVY Project “Seed Replacement Ratio by National Seeds Corporation Ltd”

NATIONAL SEEDS CORPORATION LIMITED
(A Government of India Undertaking)

ઉત્તમ બીજ સર્વોત્તમ ઉત્પાદન

ફાર્મ સોના

ઉચ્ચ ગુણવત્તાવાળા પ્રમાણિત અને હાઈબ્રિડ બીજ

ઘઉં । ચણા । જુરુ । વરીયાળી રાયડો । મગફળી । સોયાબીન ડાંગર । અડદ । મગ । તુવર મકાઈ । બાજરી । જુવાર । દિવેલા

રીંગણ । ટામેટા । ભીંડા । કારેલા દુધી । કોબીજ । ફલાવર

આવો બનાવીએ સમૃદ્ધ દેશ....

The advertisement features a green and yellow color scheme. At the top left is the NSC logo with the text 'एन एस सी NSC' and 'NATIONAL SEEDS CORPORATION LIMITED'. Below the logo is a circular arrangement of various vegetables. The central text 'ફાર્મ સોના' is in large, bold, red and white letters. Below it, there are two rows of seed packets for various crops: 'સુવર્ણ સીંગણ', 'સોયાબીન', 'મોઠું સીંગણ', 'ચણા', 'ફાર્મ સોના' (multiple varieties), and 'ફલાવર'. To the right, there is a circular inset photo of a smiling woman wearing a traditional headscarf. The bottom right corner has a green banner with the text 'આવો બનાવીએ સમૃદ્ધ દેશ....'.

Category: Agriculture Production

Background & Objectives:

"Subeejam Shukshetre Jaayate Sampradayte" means good seed in a good field produces abundantly. To be able to produce more and prosper, farmers must use pure and healthy seeds as per the certification norms which have a standard germination percentage. Good quality seeds are those which have genetic and physical purity, health standards, and moisture content in accordance with seed certification standards. Quality seed increases production of crops by about 15-20%. Farmers make arrangements for many inputs but quality seed is the most

essential input among all the inputs. If the seed is of bad or inferior quality, then labour and other expenses are in vain.

Challenges:

In Gujarat State, water for irrigation is very limited and most of the irrigating water is reserved from rainfall and uses very judiciously by the farmers community and with such a limited major resource, every farmer required good quality pure seeds which meets all certification standards. With such a quality seeds, productivity & production can be increased and ultimately income of the farmers increases.

Further in the state, farmers mostly uses farm saved seeds particularly in cereals & pulse crops & groundnut & Soyabean in oilseeds resulting lesser production & income ultimately. The Seed Replacement Rate of the different crops is given below.

S.No	Crop	Seed Replacement Rate (%)	
		2016-17	2017-18
1	Paddy	40	42
2	Wheat	36	39
3	Bengal Gram	38	41.06
4	Black Gram	42	42
5	Green Gram	40	42.03
6	Pigeon Pea	35	38.97
7	Groundnut	15	16
8	Mustard	100	100
9	Maize	100	100
10	Pearl Millet	100	100
11	Castor	100	100

Further the farmers preference for varietal adaptation is on higher side for the most popular varieties i.e. GW-496, GW-173, GW-273 & Lok-1 in case of wheat & GG-2, GG-20, GG-10 in case of Groundnut, JS-335 in case of Soyabean, GG-1, GG-2,

In case of Gram etc. Which are beyond 10 years or 15 years of age and the varieties which are more than 10 or 15 years of age but still are most productive & popular among farmer community, not covered under central subsidy schemes i.e. NFSM & NMOOP and purchasing of such varieties by the farmers, increases their farming/production cost. Hence to increase the Seed Replacement Ratio through making availability of the good quality seeds of such varieties at the subsidized rates to farmers under RKVY scheme.

Intervention

This involved following activities:

- ✓ Procurement of Breeder seeds from Govt. Research Stations.
- ✓ Multiplication of Breeder seeds to the foundation seeds at our farms.
- ✓ Distribution of foundation seed to the growers to multiply as certified seeds.
- ✓ Receipt of raw seeds from growers.
- ✓ Processing of raw seeds in seed processing plant
- ✓ Certification of processed seeds for sale to farmers through State Seed Certification Agency.

Total outlay on distribution of good quality seeds was Rs 3096.40 Lakhs from 2016-17 to 2018-19, of which Rs 881 lakhs was met from RKVY.

Impact

Distribution of good quality seeds at subsidized rates will encourage the farmers to use certified good quality seeds in place of farm saved seeds which will enhance the Seed Replacement Rate & ultimately increase the productivity & production and income of the farmers of the state.

The distribution of subsidized seeds under RKVY done through our authorized dealers and subsidy is given at sourced after collecting all the required land records as follows.

- For cereals crops: as per NFSM Norms: 50% cost of the seeds or maximum Rs. 1000/- per qtl. whichever is less is admissible. Maximum 2 hac. Ceiling per farmer.

Total seeds distributed of different varieties of Wheat under RKVY particularly with regard to Seed Replacement Rate (SRR) under RKVY scheme in Rabi 2017-18 season in the different districts of the Gujarat State which have been benefited the approximately 3088 small & marginal farmers.

S.No	Crop	Varieties	Distributed Qty in Kg under RKVY	Approximate Beneficiary No
1	Wheat	GW-496,GW-273,GW-173 & Lok-1	308840	3088

Further farmers of the Gujarat state will get good quality seeds at affordable price which will help in keeping price control in the market including public & private sector. This will also encourages the farmers to purchase fresh good quality seeds at affordable prices which will increase the productivity & production & ultimately income of the small & marginal farmers.





Additional Information:

1. Seeds were distributed through NSCL sale counter and authorized dealers across the Gujarat State.
2. Contact Person:-
 - ✓ MK Jat, Manager (Marketing), NSC, Gandhinagar, email `ahmedabad@indiaseeds.com
 - ✓ SS Srivastava, Area manager, NSC, Idar, Email- idar@indiaseeds.com, Ph-9601951658
 - ✓ Sagar Sutaliya, ASO, NSC, Gandhinagar, Ph-9898148203
3. Support of Directorate of Agri, Gandhinagar is at its highest level