PROJECT PROPOSAL ON TORIA CULTIVATION
For Seed Bank in Majuli
UNDER
MISING AUTONOMOUS COUNCIL
With Financial Assistance & Technical Support
BY ASSAM AGRICULTURAL UNIVERSITY,
JORHAT , ASSAM

INTRODUCTION:

Majuli is known as the largest river island situated amid the mighty Brahmaputra. It is an administrative sub-division of Jorhat district of upper Assam. It is also known for "Vaisnavait Satras", abbeys for practice of "Nava Vaisnav Dharma" since medieval era of Assam. Scenic natural beauty combined with pristine ethnic culture makes Majuli an important tourist destination. But Majuli is cursed with recurring flood and fluvial erosion for which the farmers depend mostly on Ahu and other Rabi crops – Toria being the most important crop for livelihood.

NAME OF PROPOSED PROJECT:

HYV Rapeseed & Mustard (Toria) cultivation by introducing TS-36 & TS -38 variety for setting up a seed bank in Majuli

PROJECT LOCATION: Ujani Majuli.

TARGETED AREA AND FARMERS: 200 Ha covering 200 farmers @ 1 Ha per farmer.

ABOUT MUSTARD CROP CULTIVATION IN MAJULI:

Rapeseed & Mustard is an oil seed crop, extensively cultivated as major field crop in Rabi season in Assam. Sandy loam to clay loam soil having a moderate pH level is suitable for Mustard cultivation. It is cultivated both as rain fed and irrigated crop. Toria is a High Yielding Rapeseed & Mustard crop which has some important verities, viz. TS-36, TS-38, suitable for Assam's agro-climatic zone.

. Majuli covers an area of 8,500 ha Rapeseed & Mustard cultivation with abundance use of low yielding M-27 variety, having the productivity of 900 kg per ha as per report of KVK, Jorhat,.(**Journal of Academia and Industrial Research (JAIR)** Volume 2, Issue 12 May 2014). Most of the places in Majuli are inundated every year during rainy season; hence, damage of Kharif crops are compensated by extensive cultivation of Rabi crops like Rapeseed & Mustard, Garlic, Potato, Pea etc.

OBJECTIVES OF THE PROJECT:

1) Majuli, as a subdivision is the largest grower of oil seed crop covering 8500 Ha with abundant use of low yielding M-27 variety. To replace the low yielding M-27 variety by introducing HYV like TS-36, TS-38. TS-38 variety has yield potentiality of 1,250 Kg per Ha (As per result of Front Line Demonstration conducted by KVK, Jorhat during 2009 and 2010-11) instead of 900 Kg per Ha of M-27 variety.
2) To generate a seed bank of HYV oilseed crop to meet the requirement of Majuli's farmers as well as for other part of the state.

3) To increase per capita productivity of Oilseed crop and thereby to increase per capita income of the farmers.
4) To make aware and introduce modern & commercial agriculture practices along with alternative agriculture by introducing farm mechanization, HYV and other inputs.
5) To make a convergence of fund management and project management with different implementing agencies in development programme by the Mising Autonomous Council, Gogamukh, Dhemaji, Assam.

STAKEHOLDERS OF THE PROJECT:

1) 200 Farmers of Ujani Majuli Development Block..
2) Mising Autonomous Council
3) Assam Agriculture University
4) Krishi Vigyan Kendra, Jorhat
5) Department of Agriculture, Govt. of Assam
6) Local NGOs

ROLE OF STAKEHOLDERS & PROJECT IMPLEMENTING STRATEGY:

i) The Mising Autonomous Counci, Gogamukh, Dhemaji, Assam will be the project implanting agency (PIA) of the programme with convergence of Assam Agriculture University, Jorhat. The council will bear certain part of the project expenditure.
ii) The council will take support from Assam Agriculture University in technical guidance as well as in certain component of expenditure.
iii) Selection of Project site is being proposed by the council at Ujani Majuli and final selection will be done jointly by Assam Agriculture University and the council.
iv) Awareness, training cum demonstration of the project will be done by the Council, Assam Agril. University and KVK, Jorhat, Department of Agriculture, Govt. of Assam.
v) Monitoring and supervision, evaluation of the project will be done jointly by Mising Autonomous Council, Assam Agril. University and KVK, Jorhat.
vi) The Mising Autonomous Council and Assam Agril. University will buy back the product.
vii) The Mising Autonomous Council will set up a scientific storage godown in Majuli.

PROJECT PERIOD:

Mid October 2014 to Early February 2015.

FINACIAL INVESTMENT ANALYSIS for 1 (One) Ha:
Total Area: 200 Ha

Sl. No.	Item	Quantity (kg/Ha)	Rate (Rs)	Amount (Rs)
A	**Cost of Input**			
1	Seed	8	70/-	560.00
2	Land preparation	3 times	2250/-	6750.00
3	Fertilizers			
	a. Urea	87	10.50/-	913.50
	b. SSP	220	14.70/-	3234.00
	c. MOP	25	23.00/-	575.00
	d. Borax	10	95.00/-	950.00
4	Plant protection measures	LS	-	200.00
	Total (Per Ha)			**Rs.13182.50**
	Total for 200 Ha	**Rs.13182.50 X 200 Ha=**		**26,36,500.00**

Sl. No.	Item	Quantity (kg)	Rate (Rs)	Amount (Rs)
B	**Capacity Building**			
1	Training: 1 day			
	a. Sound system	LS	LS	1000.00
	b. Trainer's material (Flex, Marker)			800.00
	c. Resource person			15000.00
	d. Arrangement			3000.00
	e. Tea & Snacks	210	10/-	2100.00
2.	Field day cum harvesting			15000.00
	Total of B			**36,900.00**
C	**Monitoring**			
	a. POL			12,000.00
	b. TA/ DA			25000.00
	Total of C			**37,000.00**
D	**Implements and other requirements**			
1	Sprayer (Knapsac)	50 Nos.	2100/sprayer-	105000.00
2	Sign board (5x3)ft	4 Nos.	800/-per board	3200.00
3	Transportation of seeds from source to the village			10,000.00
	Total of D			**118,200.00**
E	**Construction of Storage Godown**	**Approx.**		**30,000,00.00**
F	**Contingency @ 1% of total fund**			**58,186.00**
	Grand total (A+B+C+D+E+F			**58,76,786.00**

YIELD & INCOME ANALYSIS:

Sl. No.	**Item**	**Quantity/ Value**
1.	Expected Production/ Yield per Ha	1250 Kg
2.	Expected total production/yield from 200 Ha	2500 Qtls.
3.	Total value of the produced, @ Rs. 3000/- per Qtl (at the time of harvesting)X 250	Rs.75,00,000.00
4.	Majuli has total rapeseed & Mustard area	8500 Ha
5.	Total seed requirement per year	20000 Kg= 2000 Qtls
6.	Expected Surplus production in the first year for sell off	500 Qtls.

CONCLUSION:

i) The project is profitable and gainful as the harvesting time selling value shows Rs.75,00,000.00 against the total investment of approximate Rs.58,00,000.00 which is 23 % of the investment.

ii) Being the largest producer of Rapeseed & Mustard Oilseed in Assam, the farmers are well acquainted with its cultivation practice which is an added advantage for introduction of introducing HYV Toria seed in a smooth way.

iii) Convergence of initiatives by Mising Autonomous Council, Assam Agricultural University, KVK, Jorhat and Department of Agriculture, Govt. of Assam will synergise the project implementation, monitoring and evaluation with an effective delivery mechanism.

iv) The Project Report/ Concept paper has been prepared for rain fed cultivation; necessary suggestion/ support may be incorporated in respect of irrigation at the time of final DPR, as the cultivation approach has been targeted with replacement by HYV and set up a seed bank in Majuli.

v) The project may also create a new avenue for echo-tourism in the context of already existing biodiversity combined with religious and cultural tourism.

vi) It is an emergent need to replace low yielding verities by HYV to increase the per capita yield and income as a whole for the marginal farmers, which can be achieved by the project.

vii) Actual DPR, Fund management among the stakeholders may be finalized and resolved at the time of MOU with the different stakeholders.

Sd/-	Sd/-	Sd/-
Chief Executive Councillor Mising Autonomous Council	Principal Secretary Mising Autonomous Council	Planning Officer Mising Autonomous Council