

# A GLIMPSE



ON  
LINE TRANSPLANTING OF PADDY UNDER RKVY  
IN SATYABADI BLOCK  
(KHARIF- 2012)

Implementing Agency  
**DEVELOPMENT RESOURCE CENTRE (DRC)**  
Gundicha Vihar, Sarbodaya Nagar  
Puri-2, Odisha, India



Supported BY:  
MINISTRY OF AGRICULTURE, GOVT.OF INDIA  
(Through Deputy Director of Agriculture, Puri Range)  
FACILITATION- AAO-Satyabadi Block



- Proper maintenance of plant population is noticed as a result production rate is increased.
- 150 nos. of BPL families, share croppers, daily wage earners are provided with direct employment support through this programme.
- Previously the Input cost in the shape of Seeds, water, manure, pesticide, management, labour, expertise, time etc per acre was high but the Line transplanting Scheme initiated in the area reduced the cost to low per acre.
- Other inter- cultural operations like do-weeding, fertiliser application, pest surveillance, spraying and harvesting in paddy cultivation etc have become easier for the farmers.
- Appropriate intra & inter row spacing reduced competition among the plants for soil moisture, nutrients and sunlight.
- The paddy production per acre in the area prior to Line Transplanting was 8-10 Qntrs per acre. But the present assessment tells that the farmers who have adopted Line Transplanting have harvested 12-15 qntf Paddy per acre.
- Local farmers are already exposed to the difference between traditional method of agriculture and Line Transplanting.
- Farmers have realised the direct result through demonstration on their own crop lands.
- Farmers are provided with scientific technology, modern usages, knowledge, Information, resources etc by the Agriculture Experts at their doorstep and became successful to interact on their livelihood issues and agricultural problems with high Govt. Officials like DDA-Puri, PPO-Puri, DAO\_Sakhigopal, PPO-Sakhigopal, AAO-Satyabadi, ATMA staffs and grass-roots facilitators like VAW, Krushak Sahi and many more.
- The impact of Line Transplanting is realised among the neighbour farmers. So many farmers have come forward to start agricultural activities through Line Transplanting/ Line showing method.

#### THE LAST BUT NOT THE LEAST .....

The above Line Transplantation/ line showing Programme deserves Successful one due to active participation of the identified farmers. Thanks go to the Agriculture Experts, Local Govt. Officials, People's Organisations, Line Depts. Village Development Committees and the Work Force of DRC for their valuable contribution to such a noble cause. With Collective Approach, Combined Effort and having Commitment to Great Work Culture We can Bring Change. Wishing All the BEST WISHES for a GREENER AGRI WORLD.

.....THE SWEET END.....

## THE FIRST CHAPTER

### ABOUT THE IMPLEMENTER .....

Development Resource Centre popularly known as DRC came into existence in the year 2005 and got legal sanction on 13th April 2006 by Addl. Registrar of Societies, Puri under Indian Societies Regn. Act of 1860 (XII). In the year 2010 DRC was registered under section 12AA of Indian Income Tax Act 1961. It is also affiliated to Nehru Yuva Kendra (NYK) an autonomous body under the Ministry of Youth Affairs & Sports, Govt. of India. DRC is affiliated with LIFE INSURANCE CORPORATION OF INDIA (LIC), for carrying out and catering micro insurance services among the un-served and under privileged communities of rural and urban Odisha.

### REGD. OFFICE .....

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### PROJECT OFFICE .....

- Satasankha, Block-Satyabadi, Dist-Puri, Odisha-752046
- At-Dakhinapantal, Po-Nagar, Via/Block-Astaranga, Dist-Puri, PIN-752109, Odisha.
- At-In front of Rly. Malagodam, FCI Road, Kudiyari Bazar, Jatni, Dist-Khurda, PIN-752050, Odisha.

### NATURE OF THE ORGANISATION .....

Non-Governmental, Non-Profit Making, Non-Political, Socio-Economic & Developmental Organization.

### MISSION STATEMENT .....

The mission of DRC is establishment of a sound, effective and meaningful society through organized community effort, aiming at systematic & scientific development of un-organized, vulnerable and poorest of the poor community where have and the have-nots live at par with following the values of sustainable development, Global Common-hood and empathy towards each other.

### OBJECTIVES .....

Empowerment of the poorest of the poor, marginalized, neglected, down trodden, mentally & physically challenged, disaster victims, destitute, women and children and the disadvantaged community etc through group formation, capacity building, sharing information, inculcating knowledge imparting training, organising exposure and demonstrations, providing platform for alternative livelihood systems, enabling conducive environment etc through participatory intervention in fulfilling their rights and discharging their fundamental duties towards the nation and mainstreaming their active participation in sustainable development.

### GEOGRAPHICAL AREA OF OPERATION .....

The area of operation of the organization is within the whole state of India.

### PRESENT AREA OF OPERATION .....

- Puri District--Puri Municipality, Brahmagiri, Satyabadi, Kanasa and Astarang Block.
- Nayagarh District--Bhapur and Khandapada Block.
- Khurda District--Jatni Municipality, Balupatana, Tangani and Jatni Block.

**EXISTING ACTIVITIES** .....

- ▶ National TB (RNTCP) & Malaria Eradication Programme in Astarang Block.
- ▶ Micro Insurance and Financial Inclusion Programme in 15 nos Blocks of Puri . Khordha and Nayagarh district.
- ▶ Bringing Green Revolution in Eastern India (BGREI), Rashtriya Krishi Vikas Yojana (RKVY) and Line Transplanting programme under Rashtriya Krishi Vikas Yojana(RKVY) on Agriculture in Satyabadi block.
- ▶ National Environment Awareness Campaign (NEAC) in Puri district.

**OUR CORE SUPPORT GROUP** .....

- ▶ Ministry of Health & Family Welfare, Govt. of India & Dept. Of Health, Govt. Of Odisha.
- ▶ Ministry of Agriculture, Govt. Of India & Dept. Of Agriculture, Govt. Of Odisha.
- ▶ Ministry of Env. & Forest, Govt. Of India, Dept. Of Forest & Env., Govt. Of Odisha, & Centre for Environmental Studies, Bhubaneswar
- ▶ Dept. Of ST & SC Dev., Govt. of Odisha
- ▶ Life Insurance Corporation of India, Bhubaneswar Dvn.,
- ▶ Bank of India, Nahakalebar Road Branch, Puri
- ▶ Udaybhanu & Co., Chartered Accountants, BBSR
- ▶ Full Time Staff 10 nos., Volunteers -15nos. and 5nos. Development Consultants on contractual basis..
- ▶ The District Administration and
- ▶ The People of our Project Area.....

**THE SECOND CHAPTER****ABOUT THE ACTIVITIES** .....**LINE TRANSPLANTING / LINE SHOWING OF PADDY UNDER RASHTRIYA KRISHI VIKAS YOJANA (RKVY) DURING KHARIF - 2012****BACKGROUND FLASH** .....

The agronomic practices practiced by our farmers are of age-old practices inherited from generations together. The so called popular Govts. have been taking initiatives from time to time for development of agriculture and the agriculture communities.

**CROP CUTTING REPORT OF RKVY PATCHES DURING KHARIF -2012**

S.NO.	NAME OF FARMER	NAME OF RIVER	VILLAGE / P.P.	AREA NO.	PLOT NO.	DATE OF CROP CUTTING	CROP VARIETY	YIELD PER HECTAR (KGS/HA)	YIELD PER HECTAR (Q/HA)
1	PRAMELA DEVA	W/O BHUBANESWAR	BALAPUR	289	487	29-11-2012	SHARMA	22	10
2	GANDWA SETHI	BAJUBANDEHI	BALAPUR	520	521	29-11-2012	SARALA	18.1	8.2
3	KAPLA SAHOO	BHOJAN	BALAPUR	161	161	29-11-2012	POCKA	27	12
4	BASIMA KANWANDA	KALAKHAR	BALAPUR	242	275	29-11-2012	ODDER	17	7.8
5	GOPANDA SAHOO	DHAKMU	BALAPUR	348	351	29-11-2012	SHARMA	19.5	8.8
6	SARASWATI PRADI	W/O GANDHWABA	BALAPUR	558	276	29-11-2012	1999	23.7	10.8
7	SURANDEHI	W/O BAL BEHERA	BALAPUR	202	181	29-11-2012	POCKA	17.4	7.8
8	KULU NARAIN SAHOO	MAYABAN	BALAPUR	177	483	29-11-2012	POCKA	18.4	8.3
9	GANESHA DAS	KAMACHANDRA	BALAPUR	468	421	29-11-2012	OX-1008	16.5	7.4
10	SHASHIBANU BEHERA	W/O PARANANDA	BALAPUR	340/32	121	29-11-2012	SARALA	17	7.8

**MONITORING & EVALUATION**

Though the programme was of short duration but the goal was of sustainable development. So under the leadership of the Chief Functionary of DRC the Monitoring and Evaluation (M&E) work was done on regular basis. The time to time visit of the Govt. officials and evaluation by DDA-Puri, PPO-Puri, AAO- Satyabadi, Involvement of VAWs, PRI leaders, NGOs, Progressive farmers and many more well wishers and people committed for development of Agriculture and the farmers, made the programme more systematic, result oriented & successful. Further timely organization of meetings at different convenient locations, rampant awareness generation programmes, Distribution of IEC materials , encouraging participatory intervention etc were some of the major positive factors that led the programme systematic, result oriented and progressive one. The very objective of the above monitoring was , (Thinking in terms of a learning approach to project M&E and management; Emphasizing the value of stakeholder participation in M&E; focusing on the concrete needs, structuring the guide around stakeholders' routine functions and tasks, integrating M&E into the project cycle; ensuring that a common planning and M&E language is used; giving value to a diversity of working methods, styles and acknowledging the importance of institutional and humanitarian decision making Process.

**OUTCOMES** .....

- ▶ Massive Awareness Generation & Sensitization Programmes on Line Transplanting / line showing Schemes under Rashtriya Krishi Vikas Yojana (RKVY) are already organized among near about 3500 population of 07 nos. villages in one GP.
- ▶ About 150 Hectors of Kharif Crop lands are covered the Line Transplanting under RKVY Scheme.
- ▶ About 200 nos. of Poor, deserving and BPL farmers are benefited under the scheme.

[6] **PRACTICAL KNOWLEDGE THROUGH DEMONSTRATION AND EXPOSURE** .....

Line Transplanting is one of the easiest Agricultural technologies adopted by the farmers'. In this technology paddy plants are transplanted in a line keeping 08 inch. gap in Line spacing and 06 inch gap in Plant spacing. We had used locally available coir ropes of 40- 50 fts. Length and plastic / fiber straws / pipes for demarcation of transplantation. Women of the farming and daily wage labor community had taken a major role in line transplanting. Practice makes a man perfect, hence demonstration & exposure brings more perfection. The Line Showing /Transplantation programmes were demonstrated at the crop lands of the farmers and some farmers were exposed to nearby successful line transplanting fields to get better clarity on the future prospective of the said programme. Field intervention of the local officials helped a lot in motivating the farmers towards adoption of line transplanting.



**INPUT DISTRIBUTION** .....

Line transplanting has become grand success due to financial encouragement to the farmers. In order to motivate the farmers, make the scheme more operational, lively and successful inputs were provided to the farmers. The objective was to attract the farmers in a large number for taking Line transplanting as a Mass Drive and ensure farmers' participation in increasing the paddy production with less input cost, less time consumption and less resource utilization. Besides organizing awareness and sensitization programme, Orientation, demonstration, exposure etc were done, Govt. has been supporting the front line farmers who are coming to the fore front to adopt the line Transplanting programme. In this context Rs 500.00 per acre were distributed to 286nos. of successful farmers and a sum total of Rs. 1, 87,500.00 was distributed in shape of AC payee cheques..



**POST HARVEST ASSESSMENT THROUGH SAMPLE CROP CUTTING** .....

The Line transplanting Programme became grand success in Balapur Gp due to major contribution of the farming community and instant monitoring at all leve.A farmer becomes happy when he gets his expected crop . After successful implementation of the scheme in the above GPDRC along with the Local Agriculturists done Post Harvest Assessment of Paddy Cultivation .Accordingly we had done Sample Crop Cutting in 10 no. Patches. Each Crop Cutting patch was an area of 25 Sq. mtrs. (5mtr. & 5mtr. ).The Table No 3 speaks of the Crop Cutting Report. .



[3] In spite of implementation of several schemes and projects aimed at improving the production and productivity in paddy sector the situation is still in a state of dismal. Rashtriya Krishi Vikas Yojana is one of the greatest Agricultural Schemes of Govt. of India for development of Agriculture and the Agriculture Community. Promotion of Improved Agronomic Package & Practices under RKVY Scheme for kharif-2012 under RKVY started in Satyabadi Block in the year 2012. Among all the major Scientific practices developed in our time Line transplanting practice is regarded as best agronomic practice for improving better yield and minimizing the gap between the potential and actual yield of paddy crops. The major objective of this programme is to motivate the farmers for organising mass line plantation / line showing activities for more production with less investment, bridging the gap between actual and the potential yield capacity of the paddy crop saving Time, Resources and Other input costs in agriculture. DRC is fortunate taking a distinguished role in fulfilling the objectives of Govt. of India. A total 286 nos. of farmers of 07 nos. villages of Balapur GP of Satyabadi Block covering 150 hectares of crop land witnessed a massive drive in Line Transplanting. Being a first time intervener the whole programme was a learning and enjoyable for DRC. In the above scheme Starting from Selection I beneficiaries to Sample Crop Cutting DRC acted as a Silent Observer facilitating in the whole agricultural process putting primary focus and priority on participatory process.

**PROGRAMME OBJECTIVES** .....

- ▶ Motivate the farmers for organising mass line plantation / line showing activities for more production with less investment
- ▶ Bridge the gap between actual and the potential yield capacity of the paddy crop.
- ▶ Increase the production & productivity of rice in Satyabadi block.
- ▶ Maintenance of proper plant population.
- ▶ Reduce the input cost in agriculture;
- ▶ Save time, labour, money and other required resources ;
- ▶ Involve lower seed rate, lower chemical fertiliser, less use of plant protection chemicals and low water consumption.

**MAJOR ACTIVITIES UNDER TAKEN** .....

Balapur GP was covered through a series of Programmes like :-

- ▶ **SELECTION OF BENEFICIARIES** :- Selection of Beneficiaries for the above scheme was done by DRC with active involvement of the line departments, Gram Sathi, VAW, Krushak Sathi, Pani Panchayat, Village Development Committee, Village Clubs, SHGs and Farmers; Clubs etc.
- ▶ **MASS AWARENESS DRIVE** :- Mass Awareness Programmes through Community Consultations, Meetings, Group Discussions, Individual interaction etc.
- ▶ **ENABLING CONDUSIVE ENVIRONMENT** :- Creating space for interaction between the farmers, Agriculture Experts, Govt. Officials, Line Agencies, NGOs and Opinion Leaders.
- ▶ **CHANGE TRADITIONAL PRACTICES Vs. ADOPT SCIENTIFIC METHODS** :- Motivational & Sensitisation programmes were organised aiming at making the local farmers capable in identifying the Major Agricultural Issues and Problems faced at their level and the potential available with them to address it. Empowering the Farmers adopting themselves with the new scientific agricultural practices for more production minimising the input costs in paddy cultivation was the cream of the discussions at all level.
- ▶ **DEMONSTRATION & EXPOSURE** :- The Line. Showing /Transplantation programmes were demonstrated at the crop lands of the farmers and some farmers were exposed to nearby successful line showing fields to get better clarity on the future prospective of the said programme.

- ▶ **INPUT DISTRIBUTION** :- In order to motivate the farmers towards organising Line transplanting in their crop lands inputs were provided to the farmers. The objective was to attract the farmers in a large number for taking Line transplanting as a drive and ensure farmers' participation in increasing the paddy production with less input cost, less time consumption and less resource utilisation.
- ▶ **POST HARVEST ASSESSMENT THROUGH SAMPLE CROP CUTTING** :- The post harvest Assessment of the paddy crop was done by the local farmers in presence of the local agriculture experts.

The Geographical Area we Covered under RKVY Scheme are as follows .....

SL.NO.	NAME OF THE GP	NAME OF THE VILLAGES	Area in (Ac.)	No. of Beneficiary (INVOLVED)			TOTAL	
				SC	ST	General Women		
1	BALAPUR	BALAPUR	109.00	25	0	53	14	96
2		BISWANATHAPUR	23.00	0	0	16	0	16
3		MULLAALASA	24.50	0	0	20	4	24
4		DUGAL	59.00	11	0	39	4	54
5		SRIRAMACHANDRAPUR	46.50	9	0	13	9	31
6		KADUA	70.50	8	0	21	12	41
7		BIRARAMACHANDRAPUR	42.50	5	0	11	8	24
<b>TOTAL</b>	<b>1</b>	<b>7</b>	<b>375.00</b>	<b>62</b>	<b>0</b>	<b>173</b>	<b>51</b>	<b>286</b>

## MAJOR ACTIVITIES PERFORMED

### SELECTION OF BENEFICIARIES .....

We put community as the major factor in identifying the beneficiaries. Selection of Beneficiaries for the above scheme was done by DRC with active involvement of concerned Village People, the Line Departments, Gram Sathi, VAW, Krushak Sathi, Pani Panchayat, Village Development Committees, Village Clubs, SHGs and Farmers Clubs etc. In each stage transparency was maintained and the whole process was participatory in nature. During the selection period the details on the proposed beneficiaries, their land particulars and other identification needs were collected after verifying their authenticity. A compiled report of the said beneficiaries was submitted before the DDA, Puri through proper channel. In our project area 286 nos. farmers from 07nos. villages of 01 GP were identified and selected.



### MASS AWARENESS DRIVE .....

Knowledge and Information plays a vital role in the field of development. In order to make the Line Transplanting Programme more result oriented and people centric mass awareness programmes were organised in 02nos. locations covering one GPs. of Satyabadi Block where 190 nos. Farmers actively

participated. Resource persons along with the AAO- Satyabadi, BTM- ATMA, VAW, Krushak Sathi and other line Departments had attended the programme. The objective, the expected outcomes, the existing rate of paddy production and the proposed production through line showing programme etc were some of the major discussions in the below mentioned awareness programmes. Experts on line transplanting from Govt. had imparted training to the farmers on various techniques of line transplanting.

Sl.No.	Name of the programme / activities	Date	Venue	No. Of Participants attended
01		03-06-2012	KADUA	105
02	DD	04-06-2012	BIRARAMACHANDRAPUR	85
<b>TOTAL</b>	<b>02</b>	<b>02</b>	<b>02</b>	<b>190</b>

### ENABLING CONDUCTIVE ENVIRONMENT .....

The Social Bonding & Cultural Fabrics in most of the villages are broken due to so many reasons and this is prevalent since years together. Keeping a bird's eye view on the above issues we had to initiate and enable conducive environment for successful implementation of the line transplanting programme in our area. We had to take pain in creating forum from time to time to organise regular interface programmes among farmers, agriculture experts, Line Departments, Govt. Officials, NGOs, Opinion Leaders, PRI Members etc enabling conducive environment making dialogue among them on objectives of the scheme, activities to be organised, strategies to be adopted, benefits to be availed & role and responsibility of various stakeholders etc towards smooth implementation of the programme. This cooperative, coordinating, collaborative and enabling activity paved the way for a conducive environment for making the Line Transplanting programme a grand success in Satyabadi Block.



### CHANGE TRADITIONAL PRACTICES Vrs. ADOPT SCIENTIFIC METHODS .....

"Dhana Chashare Puruna Padhati Chhadabaigyanika Padhati Byabshar Kara". Leave the Age-Old Traditional practices and adopts the New Scientific Methods in Paddy Cultivation was slogan of the programme in all the villages of Balapur. The daylong traditional practices in agriculture need to be changed and the new scientific temperament are to be induced, technology be adopted and the modern practices be actualized. Hence DRC in all its awareness activities organized motivational programmes through Meetings, Discussions, Interactions, Demonstrations etc to make the farmers capable of sleeping away from the cluck of the age-old traditional practices and adopt Line Transplanting programmes for more production using less inputs with systematic approach. Many a instances, case study of successful farmers were highlighted in the awareness programmes. After a series of motivational programmes the local farmers were convinced to start Line Transplanting activities in their crop lands. Now Balapur GPs has become a matter of discussion on Line Transplanting.



