



**FARMERS AWARENESS PROGRAMME ON
“ROLE OF GRAMIN KRISHI MAUSAM SEWA IN MITIGATION OF WEATHER
HAZARDS IN AGRICULTURAL PRODUCTION”
HELD ON 18.03.2015**



**AGROMET ADVISORY SERVICES, AGRO-METEOROLOGICAL FIELD UNIT
REGIONAL RESEARCH AND TECHNOLOGY TRANSFER STATION
ORISSA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY
BHAWANIPATNA**

**Report of the Farmers Awareness Programme on
“ Role of Gramin Krishi Mausam Sewa (GKMS) in mitigation of weather
hazards in agricultural production” held at college of Agriculture,
Bhawanipatna on 18.03.2015**

One hundred farmers from different villages of Kalahandi and Nuapara District and fifty scientists including officers and field workers from agriculture and allied sectors, representatives from All India Radio , Door Darshan Kendra Bhawanipatna, Press and electronic media, NGOs were participated in the awareness programme on “ Role of Gramin Krishi Mausam Sewa (GKMS) in mitigation of weather hazards in agricultural production”.

The farmer’s awareness programme was started with registration of participants at 10:00 a.m and inaugurated by lighting of lamps by Dr. S.C. Sahu, Director, IMD, Bhubaneswar and other the dignitaries on dias. The meeting was presided by Prof. G.C.Mishra ,Associate Director of Research, RRTTS, Bhawanipatna cum Nodal Officer, AAS, Bhawanipatna. Dr. S.C.Sahu, Director, IMD, Bhubaneswar attended the meeting as Chief Speaker where as Sj. Laxman Paltasingh, Deputy Director Agriculture,Kalahandi as Chief guest and Sj. Lingaraj Acharya, Deputy Director Horticulture, Kalahandi Range , Dr. Narayan Behera Chief District Veterinary Officer, Kalahandi, Sj. Narottam Behera, District Agriculture Officer, Khariar and Dr. R.K.Pattnaik, Associate Dean College of Agriculture, Bhawanipatna, attended as Guest of Honour.



(Inauguration of the Farmers Awareness Programme)

Sri Anshuman Nayak, Technical Officer, Agromet Advisory Services (AAS), Bhawanipatna welcomed the gathering and in his address he highlighted the achievements of AAS, Bhawanipatna and the importance of the awareness programme. He emphasized the active involvement and willingness of the scientists, officers, extension functionaries, NGOs and above all the farmers are required for popularization of AAS throughout the district. He also said the AAS Bulletin disseminated on every Tuesday and Friday both in English and Odia through KVKs, ATMA, Line Deptt., BDOs, NGOs of the respective districts and also made available through website of www.imdagrimet.gov.in. He expressed the revolutionary step initiated on July 2013 by Ministry of Agriculture, Govt of India, to send SMS on mobiles through the web portal www.mkisan.gov.in both in English and regional language to the farmers which has received wide accolade by the farming community. He mentioned that till date

around 56,125 farmers of Kalahandi have been benefited by the AAS message over mobile and the initiation of sending voice SMS to the farming community with Reliance foundation in Kalahandi has started from September 2014. He appreciated the service rendered by the key persons of the villages viz Dahal, Goudtola and Talapadar where white boards are provided by AAS Bhawanipatna and installed at the centre of the village for providing the AAS to all the farmers of the village. At last but not the least he requested the farming community to register their mobile number and also spread the message in the neighboring villages by friends and relatives to register their numbers over the office land line No.06670230274 or his mobile number 09438110299 to have the opportunity of availing AAS service on mobile.



(Welcome Address by Sri Anshuman Nayak, Technical Officer)

The technical session -I started after the welcome address with the following topics and speakers.

Sl.No.	Topic	Name of the Speaker
1.	Role of " Gramin Krishi Mausam Sewa for the farming community"	Dr. Sarat Chandra Sahu, Director, IMD, Bhubaneswar
2.	"Impact of adverse weather on field crops and role of GKMS in mitigation of the risks"	Sj. Laxman Palatasingh, Deputy Director Agriculture, Kalahandi
3.	"Impact of adverse weather on Horticultural crops and role of GKMS to minimize the risks"	Sj. Lingaraj Acharya, Deputy Director Horticulture, Kalahandi
4.	"Impact of changing climate on production and productivity of farm animals"	Dr. Narayan Behera, Chief District Veterinary Officer, Kalahandi.
5.	Impact of climate change on insect pest incidence of crops"	Mr. Narottam Behera, District Agriculture Officer, Khariar
6.	Importance of selection of varieties in relation to climate change	Dr. R.K.Patnaik, Associate Dean, College of Agriculture, Bhawanipatna
7.	Dissemination of AAS Bulletin through PPP mode	Sri Dibyakanta Nayak, Reliance Foundation, Bhubaneswar, Odisha.

Chief speaker Dr. Sarat Chandra Sahu, Director, India Meteorological Department, Bhubaneswar in his lecture apprised the house about presence of state meteorological center at its capital and all the AMFU's are working to give information regarding abnormal weather situation, rainfall, cyclone and dry spell five days ahead to farmers. He said about the pilot project on Block level weather forecasting and agromet advisory service which is aimed to be implemented throughout the country by end of 12th

five year plan. He told about the reasons of climate change and its impact on Indian Agriculture. He narrated about the deficient and erratic rainfall during the last few years as a result how the farmers are facing huge loss in agriculture and allied sectors. He also told about the recent advances in weather forecasting system like use of Doppler RADAR as a result now casting can be made much earlier. He suggested some of the measures in our daily life so that we can reduce the factors which are responsible for the climate change such as minimum electricity consumption, less dependence on refrigerator, use of public transport for conveyance, conservation of forest and afforestation etc to reduce emission of green house gases for environmental safety.



(Address by Dr. S.C.Sahu, Director, IMD, Bhubaneswar) (Address by Sj. Laxman Paltasigh, DDA, Kalahandi)

Sj. Laxman Paltasigh, Deputy Director of Agriculture, Kalahandi as Chief Guest in his address appreciated such type of awareness programme for the farmers in Kalahandi and Nuapara district. He said that greenhouse gases and methane are the main contributors of global warming. He explained the role of changing cropping pattern and suitable varieties in relation to climate change. He advised the farming community to concentrate on some of the aspect such as use of less urea in paddy and use of phosphatic and potassic fertilizer, selection of short duration paddy varieties, timely operation, proper planning, cropping pattern cum mechanization in transplanting, off season vegetable, cultivation use of organic manure and drip irrigation in relation to climate change etc. in order to get more profit under adverse climatic situation. He appraised the house that the proceedings of the awareness programme should be provided to the participants.

On this occasion one booklet in Odia named "Garmin Krishi Mausam Sewa dwara krushaka manaka nimante panipaga bhitika krushi suchana" ("Agromet advisory information for the farmers by GKMS") was inaugurated by chief speaker Dr. S.C. Sahu, Director ,MC, IMD, Bhubaneswar.

Guest of Honour Sj Lingaraj Acharya, Deputy Director of Horticulture, Kalahandi in his speech highlighted the different programme undertaken by the horticultural department in the district of Kalahandi to face the adverse climatic situation. He suggested the farmers to grow different horticultural crops under protected condition and more importance to be given on the post harvest management so that they can get good price of the produce. He advised the farmers to take the advantage of this service to obtain profit in production and productivity of crops and minimize the loss due to adverse weather.



(Release of Booklet by Dr. S.C.Sahu) (Address by Sj. L.Acharya, DDH)

Dr. Narayan Behera, Chief District Veterinary Officer, Kalahandi in his address said that the climate change not only had adverse effect on crop production but also on diary and poultry. He explained how high temperature and cold affect the production and productivity in diary and poultry. He told if the temperature and humidity index is more than 75%, it will affect the milk production of cows. He also mentioned that the average milk production is reduced by 0.3-0.4kg per degree centigrade rise of temperature. High temperature also influences the health and reproduction of cattle. He advised the farmers to take some shelter management practices to control high temperature for the animals and poultry particularly at the time of prevailing of extreme hot and cold weather periods.



(Address by Dr. N.Behera, CDVO, Kalahandi)



(Distribution of Raingauge by Dr. S.C. Sahu)

In this occasion five progressive farmers named Sri Kunja Bihari Sahu of village Goudtola, Block Kesinga, Sri Ajit Kumar Naik of village Dahal Block Narla, Sri Hrushikesh Sahu of village Talapadar, Block Dharmagarh, Sri Sambhu Rana of village Damodarpur, Block Bhawanipatna and Sri Tevasingh Naik of village Bhangabari, Block-Bhawanipatnawere had been distributed with raingauges by the guests on the dias provided by IMD, Pune.

Sj. Narottam Behera, District Agriculture Officer, Khariar, highlighted the occurrence of pest and disease in different crops due to the change of the climate. According to him temperature increase is mainly associated with disease-pest occurrence. He suggested some control measures to avoid the incidence of pest and disease and to follow the integrated pest management practices. He narrated how the current weather situation favours the spread of the disease in crops. To explain this, he cited the example of blast disease in paddy which spreads like epidemic if light rain with cloudy weather and high RH persists. He also provided the information on management practices of BPH and swarming caterpillar in paddy along with sucking pests in mustard and cotton. He described the benefits of e-surveillance of insect-pest of crops to the farming community present.

Guest of Honour Dr. R.K.Patnaik, Associate Dean, College of Agriculture, Bhawanipatna in his address appreciated the farmer's interest for such type of awareness programme. He highlighted some modern varieties of cotton, maize, paddy and High Density Planting (HDP) technologies along with organic cultivation in cotton to the farmers so that they can get good return even in adverse climatic condition.



(Address by Dr.R.K.Patnaik, Associat Dean)



(Participants of the FAP)

Sri Dibyakanta Nayak, invited guest from Reliance Foundation, Bhubaneswar, Odisha described the role of public-private partnership (PPP) mode of dissemination of the Agromet Advisory Service Bulletin. He told about the different activities initiated by Reliance Foundation in Odisha like voice SMS, toll free No. for the farmers to get solution of problem in agriculture, linkage with the agricultural scientists and specialists to solve the farmers problem over phone etc. for popularization of the agro based service. He proposed very soon the village level programme will be initiated in Kalahandi and Nuapara districts in collaboration with AAS Bhawanipatna.

Progressive farmer Sri Ajit Kumar Naik, village Dahal of Narla Block and Sri Kunja Bihari Sahoo of village Goudatola of Block Kesinga appreciated and highlighted the benefits of Gramin Krishi Mausam Sewa and the Kisan SMS on mobile. They narrated how the advance information on weather along with crop advisory are useful for them in reducing several losses in their crop because of the advance forecast of weather .They also expect more information and training programme from GKMS for economic upliftment of agrarian community. Sri Ajit Naik told how he saved his watermelon crop after getting the message on mobile on leaf blight disease and its control measure. Sri Kunja Bihari Sahoo expressed the benefits of GKMS in savings of water and manpower in terms of irrigation ,spraying of agrochemicals and alsoefficient fertilizer application. He told that the farmers of his village asked him about the weather forecast if cloud is seen in sky. They followed the AAS advisory and schedule their operations as per need. Sri Hrushikesh Sahoo appreciated the field visit and discussion by the AAS with the farmers on incidence of pest and diseases which provided a lot of information and awareness. They contact the experts immediately to solve the problem as the symptoms are seen in crops. He also expressed how they managed to save the harvested summer paddy crop in field from rain damage getting the advance information of rainfall by mobile SMS.

After the launch there was a farmer scientist interaction programme and farmers are very eagerly participated in the interaction programme. Several questions were asked by the farmers on weather forecasting, weed control, insect pest and diseases management which were answered by the experts.

Sri Ramesh Chandra Sahu of Village Dumal asked if the thunder and lightning with gusty wind occurred during summer could be known. In the answer to the question Dr. S.C.sahu, director, IMD,

Bhubaneswar told they are using the Doppler RADAR of Visakhapatnam for forecasting this type of phenomenon and the messages are given to the television media for immediate broadcasting. He also mentioned that accuracy of forecasting of this type of occurrence will be more when the Doppler RADAR at Gopalpur will be functional. Sri Sanket Majhi of Patharla village asked about the cause of leaf burn disease occurrence in his cotton crop during kharif. In answering the question Sri U.K.Behera, Asst.Prof. Entomology, College of Agriculture Bhawanipatna said sunny weather following rain with day temperature of 30-35^o C and high humidity is the cause of Bacterial leaf Blight in cotton.and suggested the remedial measures.



(Address by Dr.G.C.Mishra, ADR)



(Success story by Sri Ajit Kumar Naik, farmer)

After the farmer scientist interaction, Prof. G.C. Mishra, Associate Director of Research, RRTTS, Bhawanipatna and Nodal Officer, Agromet Advisory Services, Bhawanipatna in his presidential address highlighted the benefits and success of Gramin Krishi Mausam Sewa in Kalahandi and Nuapara Districts. He highlighted the weather hazards like more rainfall and cloudy sky in western districts of Odisha with less rainfall during June, October and February and also increase in day and night temperature in all the months except July along with decrease in duration of winter season and vice versa in summer under changing climate. He suggested some land and crop management practices to be adopted by the farmers such as contour furrowing and trenching, use of fossil fuel efficient farm machinery, INM practices with much emphasis on use of green manure, vermicompost, bio fertilizers and crop residue incorporation in conjunction with soil amendments, 50% recommended dose of fertilizer and micronutrients. He emphasized on drought tolerant fruit crops in waste land, selection of short duration varieties, off season vegetable cultivation and social forestry etc. under the change of climatic condition. He emphasized the use of crop residue mulching in wide spaced row crops like cotton, maize, soybean, sugarcane which will not only conserve soil water but also control weed growth. He advocated the farmers to adopt minimum/zero tillage practices for sowing mustard, winter pulses, geengram and blackgram in residual soil moisture. He advised the farmers to adopt line transplanting, application of neem/sulphur/lac coated urea and incorporation of weeds by weeder along with alternate wetting and drying in paddy which will result in better yield of the crop.

The meeting was ended at 4.30PM with vote of thanks to all the participants by Dr. P.K.Panda. Sr. Scientist, Horticulture, RRTTS, Bhawanipatna.

Annexure-I**Farmers' Awareness Programme on "Role of Gramin Krishi Mausam Sewa (GKMS) in mitigation of weather hazards in agricultural production"****Venue: College of Agriculture, Bhawanipatna****Date:18.03.2015****PROGRAMME**

9:30-10:30 a.m	Registration of the participants	
10:30-11:00a.m	Arrival of the guests, Presentation of bouquet, Inauguration of the session	
11:00-11:10 a.m	Welcome address	Sri Anshuman Nayak, Technical officer, AAS, Bhawanipatna
Technical session-I		
11:10-11:40 a.m.	Address by Chief Speaker	Dr.S.C.Sahu ,Director, IMD Bhubaneswar
11:40-12.00 p.m.	Address by the Chief guest	Mr. L. K. Paltasingh, DDA, Kalahandi
12.00-12:05 p.m.	Inauguration of booklet	By the dignitaries on Dias
12.05-12.15 p.m.	Tea break	
12:15- 12.35p.m.	Address by Guest of honour	Sj L.Acharya, DDH, Kalahandi
12.35-12.55p.m	Address by Guest of honour	Dr. Narayan Behera, CDVO,Kalahandi
12.55-1.00 p.m.	Distribution of rain gauge to the farmers	By the dignitaries on Dias
1:00-1:20 p.m	Address by Guest of honour	Mr. N.Behera, DAO, Khariar
1:20- 1.30 p.m.	Address by Guest of honour	Dr. R.K.Patnaik, Associate Dean, College of Agriculture, Bhawanipatna
1.30-1.50pm	Address by invitee of Reliance Foundation	Sri D.Nayak, Reliance Foundation, Bhubaneswar, Odisha
1.50-2.10	Success stories of farmers	By the farmers
2.10-3.30 p.m.	Lunch break	
Technical session –II		
3.30-4.00 p.m.	Farmers and scientists	
4.00-4.20p.m.	Presidential remark	Prof. G.C.Mishra, Associate Director of Research, RRTTS, Bhawanipatna
4.20-4.30 p.m.	Vote of thanks	Dr. P.K.Panda, Sr. Scientist (Horticulture), RRTTS, Bhawanipatna

Annexure II: Budget provision and Expenditure made for Farmers' Awareness Programme of AAS, Bhawanipatna during 2014-15.

<u>S.No</u>	Item	Estimated cost (Rs.)	Expenditure made (Rs.)	Unspent Balance(Rs.)
1	Transportation for farmers @Rs.50/- X100	5,000.00	5,000.00	Nil
2	Honorariums for lecturers @Rs.500X4	2,000.00	2,000.00	Nil
3	Working Lunch and High Tea @Rs.100/- X150	15,000.00	15,000.00	Nil
4	Preparation of training material on GKMS	5,000.00	5,000.00	Nil
5	Miscellaneous (Banners, gate erection, meeting hall arrangement, pen, pad etc.)	4,500.00	4,500.00	Nil
6	Travel for Lecturers	3,500.00	3,170.00	330.00
TOTAL		35,000.00	34,670.00	330.00

Annexure III: List of farmers attended the Farmers Awareness Programme

S.No.	Name of the farmer	Father's name	Village/ Block
1	Jagjivan Naik	Gadadhar	Dahal/Narla
2	Jatindra Naik	Gadadhar	Dahal/Narla
3	Krushna Ch. Naik	Gunadhar	Dahal/Narla
4	Bibhuti Bhoi	Rabindra	Dahal/Narla
5	Chatarbhuja Naik	Indramani	Bhagabadi/Bhawanipatna
6	Dharanidhar Majhi	Bhagabati	Dahal/Narla
7	Bhujaraj Naik	Dharthi	Dahal/Narla
8	Kailash Kumar Naik	Gandudhar	Dahal/Narla
9	Ajit Kumar Naik	Padmacharan	Dahal/Narla
10	Ashis Kumar Naik	Jagjiban	Dahal/Narla
11	Paramananda Naik	Paduakeshori	Bhagabadi/Bhawanipatna
12	Raghumani Pradhan	Jagannath	Dahal/Narla
13	Dhanu Pradhan	Bishnu	Dahal/Narla
14	Pratap Gatia	Murli	Dahal/Narla
15	Baruna Hayal	Ashin	Dahal/Narla
16	Hrushikesh Sahoo	Dhabaleswar	Talepadar/Dharmagarh
17	Nilamani Sahu	Rushimani	Talepadar/Dharmagarh
18	Saniya Sabar	Panduru	Balarampur/Bhawanipatna
19	Baidyanath Sa	Bhagatram	Balarampur/Bhawanipatna
20	Ratnakar Sa	Padmanava	Balarampur/Bhawanipatna
21	Simachal Sa	Chaturbhuj	Balarampur/Bhawanipatna
22	Bhubaneswar Sa	Ganapati	Balarampur/Bhawanipatna
23	Dasarath Sa	Birat	Balarampur/Bhawanipatna
24	Tevakar Sa	Dutia	Balarampur/Bhawanipatna
25	Chudamani Sa	Bamdeba	Balarampur/Bhawanipatna
26	Satyanayan Sa	Gajendra	Balarampur/Bhawanipatna
27	Kumarmani Sabar	Dubel	Balarampur/Bhawanipatna
28	Rasika Sa	Deula	Balarampur/Bhawanipatna
29	Jaya Rana	Krushna Chandra	Damodarpur/Bhawanipatna
30	Krutibasha Rana	Krushna Chandra	Damodarpur/Bhawanipatna
31	Dibakar Sahu	Mahadev	Medinipur/Bhawanipatna
32	Bhakta Sagar	Sahadev	Medinipur/Bhawanipatna
33	Jagatram Sahu	Durjadhan	Medinipur/Bhawanipatna
34	Bhaja Sabar	Ram	Medinipur/Bhawanipatna
35	Pitambar Patel	Simachal	Medinipur/Bhawanipatna
36	Chintamani Sahu	Dharanidhar	Medinipur/Bhawanipatna
37	Tekindra Naik	Mukunda	Medinipur/Bhawanipatna
38	Sahadeb Sabar	Chandramani	Medinipur/Bhawanipatna
39	Hrushikesa Sahu	Kunu	Medinipur/Bhawanipatna
40	Bibekananda Sahu	Parshuram	Medinipur/Bhawanipatna
41	Lambodar Sabar	Netia	Medinipur/Bhawanipatna
42	Rabichandra Sahu	Labna	Medinipur/Bhawanipatna
43	Kishor Chandra Pradhan	Rebananda	Dahal/Narla
44	Ramesh Chandra Sahu	Nimamani	Dumal/Bhawanipatna
45	Pareswar Sahu	Keshaba	Dumal/Bhawanipatna
46	Jagamohan Sahu	Narsingha	Dumal/Bhawanipatna
47	Sibaram Pradhan	Bhuban	Dumal/Bhawanipatna
48	Jogeswar sahu	Rugadar	Dumal/Bhawanipatna
49	Madhusudan sahu	B.R.sahu	Dumal/Bhawanipatna
50	Bhagabana Sahu	Rghunath	Medinipur/Bhawanipatna

51.	Judhisthir Patel	Bholanath	Medinipur/ Bhawanipatna
52.	Kishori Sahu	Mohan	Dumal/Bhawanipatna
53.	Indramani Naik	Pabitra	Bhangabari/bhawanipatna
54.	Arjun Patel	Danar	Dumal/Bhawanipatna
55.	Sudarshan sa	Bamadeba	Balarampur/ Bhawanipatna
56.	Dukhadhar Patel	Khyamanidhi	Dumal/Bhawanipatna
57.	Prafulla Rana	Durbasha	Balarampur/ Bhawanipatna
58.	Srimukha Rana	Gopal	Bhangabari/Bhawanipatna
59.	Subrata Kumar Sahu	Iswar Chandra	Dumal/Bhawanipatna
60.	Bikram sahu	Ramesh	Dumal/Bhawanipatnas
61.	Ganadhipa Jani	Sadasiba	Dumal/Bhawanipatnas
62.	Jitendra Kumar Sahu	Chudamani	Dumal/Bhawanipatnas
63.	Chiranjibi Sahu	Sudarshan	Dumal/Bhawanipatnas
64.	Tushar Patel	Judhistar	Medinipur/Bhawanipatna
65.	Bhabani Sabar	Krushna	Medinipur/Bhawanipatna
66.	Jasabanta Sabar	Kunu	Medinipur/Bhawanipatna
67.	Trimohan Sabar	Danu	Medinipur/Bhawanipatna
68.	Harichandra Rana	Karukar	Damodarpur/Bhawanipatna
69.	Rajesh Rana	Daneshar	Damodarpur/Bhawanipatna
70.	Sankar Rana	Anama	Damodarpur/Bhawanipatna
71.	Khema Rana	Narhari	Damodarpur/Bhawanipatna
72.	Manjit Mahakud	Durga	Pastikudi/Kesinga
73.	Kunjabihari Sahu	Gobinda	Goudatola/ Kesinga
74.	Tukendra Bhati	Daitari	Bahadurpada/Kesinga
75.	Lambodara Sahu	Gouracharan	Goudatola/ Kesinga
76.	Santosa Sahu	Purushottam	Goudatola/ Kesinga
77.	Sadhu Bhati	Narendra	Bahadurpada/Kesinga
78.	Sanket Majhi	Mayadhar	Patarla/Kesinga
79.	Debi charan Majhi	Kabupani	Patarla/Kesinga
80.	Dagar Sahu	Jogendra	Goudatola/ Kesinga
81.	Uddaba Sahu	Mohan	Goudatola/ Kesinga
82.	Subas Rana	Narahari	Damodarpur/Bhawanipatna
83.	Nage Tandi	Kartik	Damodarpur/Bhawanipatna
84.	Paradeshi Tandi	Biswanath	Gurjimuda/Kesinga
85.	Pabitra Sabar	Pani	Balarampur/ Bhawanipatna
86.	Dilip Kumar Sahu	Nilakanta	Medinipur/Bhawanipatna
87.	Trimahan Sahu	Khirodeb	Medinipur/Bhawanipatna
88.	Dhumaleswar Sahu	Haladhar	Balarampur/ Bhawanipatna
89.	Sahadeb Patel	Subas	Dumal/Bhawanipatna
90.	Dukhiram Patel	Digmohan	Dumal/Bhawanipatna
91.	Gudia Tandi	Bharkardan	Damodarpur/Bhawanipatna
92.	Banamali Rana	Jetra	Damodarpur/Bhawanipatna
93.	Abhi Mahakud	Amit	Utkela/Bhawanipatna
94.	Prakash Kumar	Ajay	Patiguda/Bhawanipatna
95.	Shambhu Rana	Harischandra	Damodarpur/Bhawanipatna
96.	Binadhar Sa	Satyabadi	Balarampur/ Bhawanipatna
97.	Tapan Sa	Kamalochan	Balarampur/ Bhawanipatna
98.	Debendra Sa	Gourachandra	Balarampur/ Bhawanipatna
99.	Radhakanta Bag	Ghasiram	Arkabahalipada/Bhawanipatna
100.	Tevasingh Naik	Arjun	Bhangabadi/ Bhawanipatna

Sd/-

Technical Officer
AAS, Bhawanipatna

Sd/-

Associate Director of Research and Nodal officer
RRTTS, Bhawanipatna