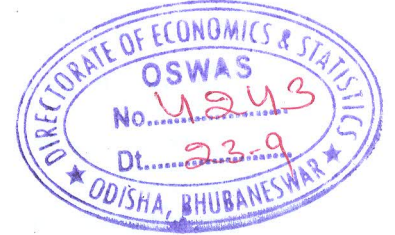




No 11104 / P dated Bhubaneswar the 22nd September, 2021
PC-STC-OSS-0008-2021

From

Shri D K Jena, IAS (Retd.)
OSD-cum-Special Secretary to Government



To

The Director, Economics & Statistics, Odisha,
Bhubaneswar

Sub: Engagement of Krushak Sathis for Land Utilization Survey under EARAS in DE&S.

Sir,

I am directed to intimate that your proposal for engagement of 1,062 Krushak Sathis for Land Utilization Survey under EARAS in DE&S is approved and you are permitted to undertake the following activities:-

- 1) Engagement of Krushak Sathis to conduct Land Utilization Survey and crop area enumeration as prescribed under EARAS for the financial year 2021-22 as indicated by Finance Department.
- 2) The Standard Operating Procedure prepared by DE&S and vetted by Director, Agriculture & Food Production, Odisha.
- 3) Go ahead with selection of Krushak Sathis and impart training to them through RIPAE&S and utilize of their services at field level as per the Standard Operating Procedure developed.
- 4) Finance Department have limited the period of engagement to financial year 2021-22.
- 5) Make payment of remuneration at the rate suggested in Paragraph-2.4 of the Standard Operating Procedure from the provision made for EARAS in 2021-22.

P.T.O

- 6) Meet the expenditure on the Land Use Survey and crop area enumeration including remuneration from the provision made under EARAS and training cost from balance fund from EARAS and RIPAE&S during the financial year 2021-22.
- 7) The engagement of Krushak Sathis shall be purely for a temporary period for the current FY as per the terms and conditions indicated in the Standard Operating Procedure or till filling up of the regular vacancy of Statistical Field Surveyor (SFS), Statistical Field Inspector (SFI) and Senior Statistical Field Inspector(SSFI), whichever is earlier as stipulated by Finance Department.
- 8) DE&S has to put in place a mechanism to monitor achievement of objectives set forth in the proposal and performance of the persons to be engaged as advised by Finance Department.

Yours faithfully



OSD-cum-Special Secretary to Government

Memo No 11105(2) /P, dated 22nd September, 2021

Copy forwarded to E&S Establishment Branch/ Budget Branch of P&C Department for information and necessary action.


22.09.2021
Assistant Director

Memo No 11106 /P, dated 22nd September, 2021

Copy forwarded to Finance Department (ES-III Branch) for information with reference to File No. FIN-ES3-ESTT-0019-2021.


22.09.2021
Assistant Director

Standard Operating Procedure for Engagement of Krusak Sathis for Land Utilization Survey under EARAS for Agriculture Year : 2021-22 (July, 2021 - June 2022)

1.1 Background

Establishment of an Agency for Reporting Agricultural Statistics (EARAS) is a 100% Central sector scheme. This is being implemented in the state since 1976-77. The objective of the scheme is to collect, compile & estimates Land Use Statistics, area, yield rate and production of 14 programmed crops like Paddy, Wheat, Maize, Ragi, Mung, Biri, Kulthi, Til, Groundnut, Mustard, Jute, Potato, Sugarcane and Niger. Besides, only area estimation of other than programmed crops for other pulses, other oilseeds, other serials and other crops is also made. All the revenue villages of the State except reserved forest and land occupied by the defence organisations, industries & project area are included in the frame for survey. The Directorate of Economics & Statistics, Odisha has been declared as the Nodal Agency for implementing the scheme EARAS in the State.

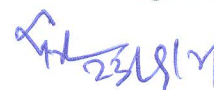
For the agricultural year 2021-22, as many as 10687 number of sample villages are to be surveyed. The primary workers like Statistical Field Surveyor(SFS), Statistical Field Inspector(SFI) and Senior Statistical Field Inspector(SSFI) are engaged in Land Utilisation Survey (LUS) and Crop Cutting Experiments(CCEs). Out of the total 65,000 number of CCEs conducted under EARAS and PMFBY about 25,000 number of CCEs are conducted by the SFS/SFI/SSFI. The rest CCEs are conducted by the RI/ARI/VAW/AO under PMFBY in their allotted GP/ULBs.

Ideally, 8-10 number of sample villages can be surveyed by a primary worker under EARAS ensuring quality. At present, the supervisors like SFI and SSFIs are also entrusted with the survey work due to shortage of SFS. About 930 numbers of SFS/SFI/SSFI posts are vacant out of the sanctioned post of 1414. Besides, as many as 100 numbers of retired SFS/SFI/SSFIs are reengaged. So, in total 591 primary workers available under EARAS who can conduct survey in 5718 number of sample villages taking 10 per primary worker in all the districts except the hilly districts like Gajapati, Kandhamal, Koraput, Malkanagiri, Nabarangpur and Raygada where 8 samples may be allotted to each primary worker ensuring quality of survey. The rest 4969(or say 5000 nos) samples are to be surveyed by manpower from other sources.

A meeting under the joint chairmanship of APC-Cum-ACS and DC-Cum-ACS to Govt. was held on 23rd June 2021 for discussion on variation of reported crop area by Directorate of Agriculture and Food Productions and Directorate of Economics and Statistics Odisha. To minimize the variations, all the members agreed for triangulation of crop area data from EARAS Sample Villages at the block and district level.

After several rounds of discussions with the Range Level and District Level Officers of the Directorate of Economics and Statistics, Odisha to obtain the feedback redressing the issues of EARAS in general and manpower issues in particular all the Officers suggested to engage more primary workers for ensuring quality of LUS and other works of EARAS. They suggested to go for engaging the Krushak Sathis till the recruitment process of SFS is completed. They opined that outsourcing of manpower may not be a feasible proposition because tendering process may take 2 to 3 months and the manpower supplied need training. Again, because of arduous nature of work, there will be possibility of drop out of the workers during the midseason if taken on outsourced basis.

For discussing on the proposal of engaging Krushak Sathis another meeting under the chairmanship of DC-Cum-ACS to Govt. was held on 10th August 2021. The Secretary, Agriculture and Farmer's Empowerment, OSD Cum Special Secretary to Govt. P&C Deptt, Director, Economics



and Statistics and Director, Agriculture and Food Productions attended the meeting. In that meeting the Director, Economics and Statistics was instructed to submit a details SOP in consultation with the Director of Agriculture and Food Productions Odisha within a week.

2 Standard operating procedure

2.1 Requirement of Krushak Sathis

It is proposed to engage Krushak Sathi for area enumeration survey under EARAS for about 5000 sample villages across the State during the agriculture year 2021-22 on remuneration basis. Approximately 1062 no. of Krishaksathis will be required for the survey. In a season, the approximate man days required per village may vary from 3 to 5 days depending upon the size of the village and approximately 4-5 sample villages may be allotted to each Krushaksathi in his own block. It is suggested to allot five sample villages preferably the medium size villages to each Krishaksathis in all the districts except the hilly districts like Gajapati, Kandhamal, Koraput, Malkanagiri, Nabarangpur and Raygada where 4 samples may be allotted to each ensuring quality of survey. The CCE villages under EARAS and ICS sample villages must be allotted to the SFS/SFI to ensure timely CCE observing all the technical formalities. However, the Deputy Director (P&S) DPMU will allocate samples basing upon the geographical contiguity of samples, locality of the Krushaksathi, type of sample villages etc. Each SFS/SFI is to extend technical advice to two-three Krushak Sathis in their circle. Details of district wise manpower requirement placed in Annexure-I.

2.2 Criteria for Selection

The following criteria will be adopted for selection of Krushak Sathi.

- i. He/ She must be willing to work for Land utilization Survey under EARAS.
- ii. He/ She must have +2 or above qualification. In case of non-availability of required number of +2 candidates, matriculate candidates can be selected.
- iii. He/ She must be able to read, write, speak and understand Odia.
- iv. He/ She must be physically fit for conducting field work by visiting plot to plot in the sample villages.
- v. He/ She must belong to the same GP/Block where he will work.
- vi. He/ She must not be an elected representative of Local Self Govt. (GP/PS/ZP/ULB)
- vii. He/ She must be conversant with smart phone and use of internet to access Bhu-Naksa etc.
- viii. He/ She must be at least five years of work experience as a Krushak Sathi. However, if required number of eligible Krushak Sathis are not available in a district the year of experience may be relaxed.
- ix. The Deputy Director (P&S) DPMU will seek recommendation from the Chief District Agriculture Officer of their district for required number of Krushaksathi of different blocks.
- x. Chief District Agriculture Officer will recommend the list of willing and able Krushak Sathis as per the above criteria and requirement of the Deputy Director, (P&S), DPMU of the respective districts.

2.3 Task to be performed by the Krushak Sathi

- I. After engagement, the Krusak Sathis will undergo one week Orientation training on EARAS Land Utilisation Survey and Map Reading.
- II. The Kryushaksathis will cover area enumeration of 14 programmed crop namely Paddy, Wheat, Maize, Ragi, Mung, Biri, Kulthi, Til, Groundnut, Mustard, Jute, Potato, Sugarcane and Niger. Besides, area enumeration of other than programmed

crops for other pulses, other oilseeds, other serials and other crops will be reported by Krushak Sathis along with 9 fold land use classification.

- III. He /She has to visit the allotted Sample Village at least twice in a season. Visit each plot of the village and report the crop grown in each plot in Form-1 as specified under EARAS.
- IV. He/ She will prepare the abstract of the crop wise and plot wise area in Form2/2a under EARAS.
- V. The summery of crop coverage in nine fold classification will be reported by him in Form-3.
- VI. Although the Krusaksathis will start their work from the month of September, they will conduct autumn as well as winter LUS simultaneously to complete the Autum LUS by 15th Novemeber and Winter LUS by 15th January and Summer LUS by 31st May.

2.4 Remuneration

In a season, the approximate man days required per village may vary from 3 to 5 days for plot to plot survey depending upon the size of the village and one to two days required for filling up the forms. A reasonable remuneration based upon the man days required is suggested as below. Payments will be made for three seasons individually.

Sl. No.	Size of the Sample Village based upon No. of plots	Suggested remuneration per season (In Rs.)
1	0-500	1500
2	501-750	2000
3	751-1000	2500
4	1001 and above	3000

2.5 Estimated Expenditure

On an average Rs.2000 per sample village per season will be paid to a Krushaksathi as small and medium size villages will be allotted to them. So, the approximate amount required to be paid in a year is Rs.3 Crore (Rs.2000x3x5000). **During the current financial year payment will be made for two seasons only i.e. Rs.2 Cr and the payment for the summer season will be made in the next financial year. The required amount is to be paid out of the funds of the Central Sector Scheme EARAS.**

Budgetary Provision: During 2020-21, a sum of Rs.4130.50 lakh was received from Govt. of India under the Central Sector Scheme EARAS against an administrative approval of Rs.3300.00 lakh. Expenditure on salaries and other routine heads during the year was Rs.2388.12 lakh and the rest i.e. Rs.1742.38 lakh utilized to recoup the negative balance out of state budget fund. At the end of the year a negative balance of Rs.360.00 lakh left.

For 2021-22, a sum of Rs.1135.22 lakh was received as 1st instalment from Govt. of India under the Central Sector Scheme EARAS against an administrative approval of Rs.3100.00 lakh. Expenditure on salaries and other routine heads during the year is expected to be Rs.2500.00 lakh, Recoup to State Budget is Rs.360.00 lakh and the rest i.e. Rs.240.00 lakh will be available for other purpose out of which Rs.2Cr. may be utilized for remuneration of Ksrushaksathis

2.6 Mode of payment

After completion of survey work in each season they have to submit schedules to respective DPMUs. The DPMUs will scrutinize the schedules and place those before the Block Level Triangulation Committee for approval. After triangulation of area data the DD/AD DPMU and the CDAO will jointly

certify the work. Then the DD/AD DPMU will furnish work completion certificate to the Directorate of Economics and Statistics. On receipt of the same payment will be made centrally through IMAGE, Bhubaneswar season wise.

2.7 Training

- i. The selected Krushak Sathi' will be imparted one week(six working days) training on LUS, map reading and form fill up at the district level by the local Resource Persons selected by the Joint Director (Ranges) in consultation with the DD/AD DPMUs.
- ii. The total expenditure for orientation training will be about Rs36.42. lakh for 1100 participants in 36 programmes in each phase across the state taking maximum 40 participants in a batch.
- iii. The training may be conducted in RITES / Krushi Bigyana Kendras / Any other Government Training Centre / DPMU Conference Hall etc. In case such facilities are not available in any district private lodging facility may be hired.
- iv. The training will be organised by RIPAE&S at the district headquarters.
- v. Cost may be borne from the RIPAE&S Capacity Building. In case there is shortage of funds in the RIPAE&S, the short fall may be borne from the EARAS Contingency fund, which will be released to RIPAE&S. There would not be any issue of funding from EARAS and RIPAE&S training head.
- vi. The details expenditure for training is furnished at Annexure -II

2.8 Agreement:

Before execution of the LUS work by the Krushak Sathis they should be aware of the fact that they are Volunteers not contractual employees of the DPMUs. They can not claim any job in the Govt. establishment by virtue of this work. So, a formal agreement in Non-judicial Stamp paper of Rs.10/- (Rupees ten only) may also be executed between the DD DPMU and the selected Krushak Sathi individually. A model agreement is placed at annexure-III.

Signature
23/8/14

Annexure-I

REQUIREMENT OF MANPOWER FOR LUS									
Serial Number	DISTRICT	Sample GP	Rural SV	Urban SV	Total SV Rural+Urban	Primary Workers Available for LUS	Distribution of SV to SFS (R+U)(10 SV	No. of Samples to be allotted to	Required KrusakaSathi(5 SVs
1	Angul	163	365	16	381	18	180	201	40
2	Bolangir	212	355	12	367	16	160	207	41
3	Balasore	265	576	46	622	32	320	302	60
4	Bargarh	139	236	12	248	12	120	128	26
5	Bhadrak	134	258	38	296	23	230	66	13
6	Boudh	64	236	2	238	20	200	38	8
7	Cuttack	223	394	48	442	23	230	212	42
8	Deogarh	56	149	5	154	7	70	84	17
9	Dhenkanal	127	236	29	265	27	270	0	0
10	Gajapati	120	301	5	306	5	40	266	67
11	Ganjam	299	623	59	682	43	430	252	50
12	Jagatsinghpur	125	257	13	270	15	150	120	24
13	Jajpur	169	355	20	375	19	190	185	37
14	Jharsuguda	38	66	9	75	5	50	25	5
15	Kalahandi	192	444	9	453	30	300	153	31
16	Kandhamal	147	495	14	509	31	248	261	65
17	Kendrapada	151	303	26	329	26	260	69	14
18	Keonjhar	201	414	33	447	23	230	217	43
19	Khordha	121	310	51	361	28	280	81	16
20	Koraput	158	385	11	396	17	136	260	65
21	Malkangiri	84	186	4	190	6	48	142	36
22	Mayurbhanj	289	782	34	816	36	360	456	91
23	Nuapada	72	128	14	142	7	70	72	14
24	Nayagarh	125	333	19	352	19	190	162	32
25	Nabarangapur	95	174	4	178	9	72	106	27
26	Puri	169	341	32	373	28	280	93	19
27	Rayagada	150	530	9	539	28	224	315	79
28	Sambalpur	88	248	52	300	15	150	150	30
29	Subarnapur	72	189	12	201	5	50	151	30
30	Sundargarh	171	343	37	380	18	180	200	40
	Total	4419	10012	675	10687	591	5718	4969	1062

23/10/21

Annexure-II : Scale of Expenditure for Training to Krushak Sathis

Sl.No	Items	No. of Participants/ Programmes	No. of Days	Rate (in Rs)	Total (in Rs)
1	Working Lunch, Tea& Snacks, Dinner(if required)	1100	6	300	1980000
2	Study Material	1100	-	200	220000
3	Honorarium to Resource Persons	36 programmes and per day 5 classes	6	1000*	864000
4	To and fro bus fare (Approx Rs.100)	1100	-	100 (Approx.)	110000
5	Contingencies (Banner, Sound System, LCD Projector etc. as per requirement	36 programmes		3000	108000
6.	Accommodation of Resource persons and Krushak Sathi during the training**	@Rs.10000.00 per programme lumpsum			3,60,000
	Total				36,42,000

*For Govt. trainers the honorarium is Rs.750/ per class and for the Non Govt. trainers it is Rs.1000.00

** Arrangement of training may be made in Govt. facilities with accommodation facility such as RITES, Krushak Bigyan Kendras, Farmers Aid and Information Centre, ATMA Training Centre, DPMU training facilities etc. In case such facilities are not available, the private accommodation for lodging may be made.

Annexure-III

AGREEMENT

This agreement is made on this day of _____, 2021 between the Deputy Director (P&S), District Planning & Monitoring Unit, <District>, Name of Office (hereafter called the Head of Office) of the ONE PART and Sri/Smt/Miss _____ (hereafter called as KrushakSathi) aged about _____ years, son/daughter of Sri/Smt _____ residing at _____ of the OTHER PART.

WHEREAS, the KrusakSathi agree to provide such support and assistance to the office under the term and conditions of the Agreement.

NOW, THEREFORE, office of DPMU ----- and the KrusakSathi here by agree as follows:

Job to be discharged:



- I. After engagement, the Krusaksathi will undergo one week Orientation training on EARAS Land Utilisation Survey and Map Reading.
- II. The Kryushak Sathis will cover area enumeration of 14 programmed crop namely Paddy, Wheat, Maize, Ragi, Mung, Biri, Kulthi, Til, Groundnut, Mustard, Jute, Potato, Sugarcane and Niger. Besides, area enumeration of other than programmed crops for other pulses, other oilseeds, other serials and other crops will be reported by Krushak Sathi along with 9 fold land use classification as per EARAS guidelines.
- III. He /She has to visit the allotted Sample Village at least twice in a season. Visit each plot of the village and report the crop grown in each plot in Form-1 as specified under EARAS.
- IV. He/ She will prepare the abstract of the crop wise and plot wise area in Form2/2a under EARAS.
- V. He/ She will submit the summery of crop coverage in nine fold classification in Form-3.
- VI. Although the Krusak Sathis will start their work from the month of September, they will conduct autumn as well as winter LUS simultaneously to complete the Autum LUS by 15th Novemeber and Winter LUS by 15th January and Summer LUS by 31st May. On engagement, the KrusakSathi has to visit at least twice in a season to the allotted sample village, visit each plot of the village and report the crop grown in each plot in Form-1. The abstract of the crop wise and plot wise area are to be reported in form 2/2a. The summery of crop coverage in nine fold classification is to be reported in Form-3.
- VII. DD (P&S), DPMUs will provide survey equipment to Krusak-Sathi for his/her work under EARAS.

Tenure, Terms & Condition

1. The Krusak-Sathi will work for one Agriculture Year i.e. 2021-22 consisting of three seasons such as Autumn (July- Oct), Winter (Nov-Feb) and summer (March-June) and the present assignment shall not be a base for claiming future employment.
2. The Krushak-Sathi is assigned with LUS work of -----and ----- villages of Block of District.
3. There is no provision of TA&DA, Medical Claim and other allowances except remuneration per village /season.
4. The remuneration is fixed at Rs.1500/season for villages having 500 or less Survey Numbers, Rs.2000.00 for villages with 501-750 survey numbers, Rs.2500.00 for villages with 751-1000 survey numbers and Rs.3000.00 per village with 1001 or more survey numbers for land use survey under EARAS and filling up of all related forms.
5. The Krushak-Sathi may be disengaged at any time by the DD (P&S), DPMUs for unsatisfactory performance of work.
6. Krushak-Sathi may discontinue after completing a season and submission of schedules records and survey equipment to the DPMU.
7. All the map, records and survey equipments must be handled carefully and returned in the same conditions to the DPMU after survey work.
8. The Krushak-Sathi will furnish an undertaking that he/she has no criminal proceedings pending against him.
9. Any other specific conditions may be added by the DD DPMU.

Name of the Krushaksathi:

Address:

Mobile No:

Full signature

Signature of DD (P&S),

Witness -1: Name and address:

Signature:

Witness -2: Name and address:

Signature:

23/9/17