

**DIRECTORATE OF AGRICULTURE & FOOD PRODUCTION, ODISHA,
KRUSHI BHAWAN, BHUBANESWAR.**

No: 2MA(10)4/2019 '22984 /Agril. Date: 21.08.19
To

The Director, Horticulture, Odisha
Bhubaneswar

**Sub:-Guidelines on Farm Mechanization and Community Irrigation under
the project "Promotion of Agriculture Production Clusters (APCs) in
Tribal Regions of Odisha".**

Sir,

With reference to the subject cited above, I am enclosing herewith the draft guidelines on agriculture activities like Farm Mechanization and Community Irrigation under the project "Promotion of Agriculture Production Clusters (APCs) in Tribal Regions of Odisha" for preparation of consolidated process guidelines at your level for successful implementation of the project.

Yours faithfully



Director of Agriculture &
Food Production, Odisha

Memo No. 22985

Dt. 21.8.19

Copy submitted to Principal Secretary, Department of Agriculture and Farmers' Empowerment, Govt. of Odisha for kind information.

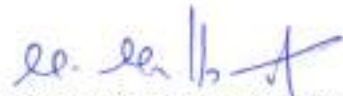


Director of Agriculture &
Food Production, Odisha

Memo No. 22986

Dt. 21.8.19

Copy along with draft guidelines forwarded to Programme Secretariat, PRADAN, MB-36, Badgada Brit Colony, Near Saraswati Sishu Mandir, Bhubaneswar-751018(email:apcprogrammeseecretariat@pradan.net)for information and necessary action.



Director of Agriculture &
Food Production, Odisha

Farm Mechanization:

Introduction:

Farm mechanization enables farmers to increase their production while relying less upon an extended labour force. Accessing farm machineries by farmers of producer group will help them to increase area of cultivation as well as increasing their production.

The Odisha state has made a progress in farm mechanization sector. To keep the rising trend and with the objective of farm power input and to bring at par with the national level State Agriculture policy 2013 has provisions for substantial incentives in the form of increased pattern of assistance. The subsidy is being met from different centrally sponsored schemes i.e. SMAM, RKVY, BGREI, NFSM and the state plan schemes namely, "Popularization of Agriculture implements, equipment's and diesel pump sets."

The subsidy will be transferred through DBT in farm machineries, implements and equipment's except Manual/Bullock drawn implements, plant protection equipment's etc. These Manual /Bullock drawn implements or plant protection equipment's can be accessed from respective block by the farmers.

Pattern of assistance in farm Mechanization:

The machinery / implement of different firms approved by the State Level Technical committee are eligible under subsidy fold as per the pattern of assistance prescribed in the State Agricultural Policy 2013.

Eligibility of farmers:

Every individual farmer possessing a valid farmers ID and AADHAR Number irrespective of his/her land holdings is eligible for subsidy. Pani Panchayat. Registered farmer's cooperatives are also eligible.

Application by the beneficiary and issue of permit:

1. Any farmer with a valid farmer ID and Adhar No. can apply in the on line system (<http://agrisnetodisha.ori.nic.in/>) for generation of permits. He/She will choose the make model of the machinery as per his choice duly observing the prices quoted by the vendors. He will also choose the dealer of his choice out of the enlisted dealers for that district. The make of the machinery so chosen cannot be changed afterwards (after generation of permits). The on line application will incorporate an undertaking to the effect that **"I/We inclusive of my/our family members have not availed subsidy on the same machinery / equipment under any Govt subsidy scheme before"**.



AGRISNET

Directorate of Agriculture & Food Production,
Govt. of Odisha



Agrisnet Menu

- ☛ [COP CONTINGENCY PLAN 2019](#)
- ☛ [TENDER FOR MOBILE SOIL TESTING LABORATORY](#)
- ☛ [EOI 2019-20](#)
- ☛ [AGRICULTURE SKILL CENTRE](#)
- ☛ [DISASTER MANAGEMENT PLAN 2019](#)
- ☛ [FARMER DETAILS UPDATION FOR VAM](#)
- ☛ [VAM UPDATION FOR AAO LOGIN](#)
- ☛ [PRADHAN MANTRI KISAN SAMIKHA YOGANA \(PMKSY\) 2019-20](#)
- ☛ [TENDER FOR PRINTING PAPER](#)
- ☛ [TENDER FOR BID](#)
- ☛ [EOI FOR SKILL DEVELOPMENT CENTRE](#)
- ☛ [TENDER DOCUMENTS](#)
- ☛ [LOSS INTIMATION FORM](#)
- ☛ [SLTC 2018 \(SOILANT PROTECTION\)](#)
- ☛ [ESTABLISHMENT OF RICE CENTRE](#)
- ☛ [SLA](#)
- ☛ [SLTC FOR FARM MACHINERY \(2018-19\)](#)
- ☛ [SLTC FOR FARM MACHINERY \(2017-18\)](#)
- ☛ [MUKHYA MANTRI ABHINAV KRISHI JANTRIPATI SAMMAN](#)
- ☛ [EOI](#)
- ☛ [EOI OF PRINTING SOIL HEALTH CARD](#)
- ☛ [PRADHAN MANTRI KISAN SAMIKHA YOGANA \(PMKSY\) 2018-19](#)
- ☛ [DDT](#)
- ☛ [DDT IMPLEMENTS](#)
- ☛ [DDT JALANDHI](#)
- ☛ [FARM MECHANISATION](#)
- ☛ [JALANDHI](#)
- ☛ [SOUBA JALANDHI](#)
- ☛ [PUMPSET TRACKING SYSTEM](#)
- ☛ [COP WEATHER WATCH GROUP](#)
- ☛ [FERTILIZER REGISTRATION CERTIFICATE](#)
- ☛ [FERTILIZER MONITORING SYSTEM](#)
- ☛ [Invertebrate Amendment Rule\(2015\)](#)
- ☛ [PESTICIDE LICENSING SYSTEM](#)
- ☛ [FISHERIES EQUIPMENTS](#)
- ☛ [ON LINE SEED LICENSING SYSTEM](#)
- ☛ [+ PEST SURVEILLANCE](#)
- ☛ [LOGIN](#)

Welcome to Agrisnet,Odisha

* The DDT-Implements booking page will
Reaper/Reaper Binder 11.00 am 13.9.2019

Government of India has decided to launch a Central Sector Scheme titled, 'Strengthening / Promoting Agricultural Informatics & Communications' of which one component is AGRISNET. The objective of AGRISNET is to provide improved services to the farming community through use of ICT.

Implementation Strategy :

The AGRISNET Project will be implemented in a projectised mode, i.e., funds under AGRISNET will be provided to the State/UT governments or to autonomous bodies identified by the State/Union Territory Governments on the basis of specific project proposals submitted for the purpose.


Agrisnet services and its goal :

1. Providing information to farmers on inputs so that they get alerted on quantity on the input and its supply chain
2. Providing information of Govt. schemes implemented in the state
3. Providing recommendations based on soil test results and reduce indiscriminate use of fertilizers soil health
4. Updates farmers on latest technology in Agriculture sector for improved productivity and quality farmers

- II. The applications of the farmers will be saved in the online system for a period not exceeding 15 days. Within this period he/she can edit his choice if at all he/she so desires. If target is available, Permits will be generated online after necessary validation of the ADHAAR number. As permits are system generated documents, no signature is required. After online generation of permit, the beneficiary will proceed to the registered vendor and take delivery of the machine paying its full cost. Payment will be made from the validated A/C of the beneficiary farmer to the dealers A/C through RTGS/NEFT. In case of Bank finance, the sanctioned amount will be transferred from the loan A/C of the farmer to the registered dealer account. In all such cases the dealer has to enter the transaction details.
- III. Farmers without valid farmer ID won't be able to generate permit.
- IV. Tractor driven implements will be allowed under subsidy only to a beneficiary who owns a tractor. He will be asked by the system to enter the Registration certificate(R.C)No. of his tractor in the online application page.
- V. The validity of the permit is 45 days. There would be no revalidation of any permit. The farmer with an expired permit will have to apply again for a permit after six months from the date of expiry of last permit.
- VI. The registered vendors should make arrangement for pre-positioning of stocks so that the machinery can be supplied immediately after issue of permits. The dealers should be careful enough to mention the machine and transaction details online, as subsidy will go to the farmers' validated bank account directly.

Procurement of the machinery /implement:

After generation of permit, the computer will send SMS to the concerned registered vendor/supplier of that particular machine. The beneficiary would contact the registered dealer and purchase the machine paying the full cost of the machine as stated above. The dealers/vendor will ensure a prominent marking on the machineries/implements as follows


 Beneficiary Name.....
 Address.....
 Benefitted under STATE AGRIL POLICY 2013

Letter size should be 2" * 2" and colour should be in contrast to the colour of the machinery/implements.

- I. The vendor after physical supply of the equipments will upload two photographs in the GPS enabled camera; 1) of the machine with beneficiary and dealers, 2) Close-up photograph of the engine no and Chassis No. through mobile apps(to be downloaded from google play store)/ web mode. He may take the photo through mobile in offline mode and sync it afterwards when net connection is there.
- II. The vendor after synchronizing the photo details through apps, will submit the machine and transaction details in his online field. The dealer will enter the UTR/Txn. No. through which he has received the payment.

- III. The vendor will enter his retail invoice No. in the space provided for the purpose after which an automated bill will be generated by the system. The vendor will hand over the copy of the two bills to the farmer. Retail invoice No. will also be reflected in the system generated bill for future reference.
- IV. In case of tractor and wheel type combine harvesters, the registered vendor will upload the scanned copy of the registration certificate (R.C).

Effective ownership of the machinery /implements , equipments :

A beneficiary who avails the subsidy on purchase of implements/ machinery/equipment should keep the implement/ machinery/ equipment in his physical possession for a minimum period as stipulated here:

Tractor/ Combine Harvester etc	5 years
Power Tiller/ Reaper/ Transplanter/ Self propelled post Harvest Machineries etc.	3 years
Other machineries / Implements / Equipment except manual and bullock drawn implements	2 years

Any form of disposal within stipulated period will invite recovery of subsidy from the concerned beneficiary through OPDR (Odisha public Demands Recovery) Act. The AAO (HQ) of the block will initiate OPDR case against the person who deviate the above guidelines.

Release of subsidy:

Subsidy will be released by the designated bank directly to the validated account of the beneficiary through the bank aggregator system application (common banking platform) within 7 (Seven) working days.

Process of DBT:

- Apply in agrinetodisha
- Go to DBT IMPLEMENTS
- Enter Farmer ID
- OPTION FOR IMPLEMENT (Tractor, Power tiller etc.)
- Choose MAKE & MODEL as per choice
- Booking of Implement
- Permit Generate
- PRINT PAGE (BANK ACCOUNT, PERMIT NO, VALIDITY (45 DAYS ONLY)
- PERMIT SUBMIT TO Vendor
- NEFT / Bank draft TO Vendors
- IMPLEMENT HAND OVER BY Vendor
- TAKING GPS PHOTO OF FARMER + MACHINE & UPLOADED BY DEALERS IN SPECIAL MOBILE APPS
- The vendor will hand over the copy of the bills to the farmer
- In case of tractor and wheel type combine harvesters, the registered vendor will upload the scanned copy of the registration certificate (R.C).
- 8-15 DAYS SUBSIDY WILL RELEASE TO BENEFICIARY ACCOUNT

Pattern of assistance in SAP-2013:

Farm Mechanization (Including Central Assistance if any)	
Scheme	Pattern of Assistance
i) Tractor	50% of the cost, limited to Rs90,000/- Tractors up to 40 PTO HP
ii) Power Tiller	(a) Power Tiller of 8 BHP & above.@ 50% of the cost, limited to Rs75,000/-. (b) 50% of the cost, limited to Rs40,000/- Light weight power tiller below 8 BHP for hill regions.
iii) Self propelled Reaper, paddy transplanter and other similar self-propelled machines.	Self propelled – a) Paddy Reaper- @ 50 %of the cost limited to Rs80,000/- b) Paddy Reaper cum binder- @ 50 % limited to Rs1,50,000/- c) Walk behind type Transplanter - @ 75% of the cost limited to Rs1,50,000/- d) Riding type Transplanter - 75% of the cost limited to Rs5,00,000/- to be paid in 3 installments in 3 years in the ratio of 2:2:1 which can be availed by Individual/ Agro Service Centres/ PACS/ LAMPS etc. e) Seedling raising machine for transplanting mat preparation @ 75% of the cost limited to Rs2,00,000/- (other self propelled machines will be included in the subsidy fold with approval of SLTC)
iv) Specialized power driven equipments	Special power driven equipment like – a) All type Axial flow threshers (tractor & power tiller operated) @ 50% of the cost limited to Rs70,000/-. b) Rotavator / Rotary tillers 75 % of the cost limited to Rs80,000/- . c) Others like ground nut digger, potato planter, potato digger, all type of power weeders, brush cutter, post hole digger, straw reaper etc - 50 % of the cost limited to Rs60,000/- d) Post harvest machineries like Rubber roll Sheller, Mini oil mill, Mini Dal Processing Unit, all type of cleaner cum graders, Power ground nut decorticator, Maize Sheller and other related machines-75 % of the cost limited to Rs2,00,000/- (other self propelled machines will be included in the subsidy fold with approval of SLTC)
v) Power driven equipment (Tractor/ power tiller operated / Conventional implements)	Power driven equipment like all type of Tractor / power tiller drawn implements like – a) Disc ploughs / harrows, all type of MB ploughs, all type of tillers, ridgers, levelers, power tiller trailer, etc. @ 50 % of the cost limited to Rs25,000/- b) All type of seed cum fertilizer

	drills, Zero till cum seed drills, etc. @ 75 % of the cost limited to Rs45,000/- (other self propelled machines will be included in the subsidy fold with approval of SLTC)
vi) a) Manually operated implements / tools b) Animal operated implements / tools	@ 75% of the cost, limited to Rs6,000/-
vii. Animal driven tool carrier	50% of the cost limited to Rs12,000/- Animal driven specialized implements viz. (a) Multi tool bar / carrier / tractors (with minimum four attachments). (b) Pre-germinated paddy seeder.
viii) Power Threshers (All types	50% of the cost, limited to Rs24,000/-
ix) Diesel/ Electric/ petrol/ kerosene pump sets up to 10 BHP/ 7.5 KW	Diesel/ Electric/ petrol/ kerosene centrifugal monobloc pump sets from 1 KW up to 7.5 KW @ 50% of the cost limited to Rs15,000/-
x) Laser Guided Leveler	75% of the cost, limited to Rs3.00 lakh
xi) Plant Protection Equipment	
a. Manual	50% of the cost, limited to Rs1,600/
b. Power operated	50% of the cost, limited to Rs4,000/-
c. Tractor mounted	50% of the cost, limited to Rs8,000/-
d. Aero-blast sprayer	50% of the cost, limited to Rs50,000/-
xii) Combine Harvesters	
(a) Self propelled track type	50% of the cost, limited to Rs6.00 lakh
(b) Self propelled wheel type	50% of the cost, limited to Rs6.00 lakh
(c) Tractor mounted combine	50% of the cost, limited to Rs5.00 lakh (Subsidy will be provided for combine only exclusive of tractor)
xiii) Miscellaneous if any	Any suitable machine/ implement will be included with approval of SLTC.

Role of Govt.:

Uploading Target:

1. Director, Agriculture and Food production, Odisha will allot the category / scheme wise target of farm machineries/equipments to each district based on budgetary provisions. DDA of concern district will distribute the allotted targets to each block. The target fixed per block should be split into the target of different categories (Normal, SCP, and TSP categories)
2. If target of any block for particular machinery is exhausted, the DDA of the concerned district will re-distribute the target among the blocks depending on the demand and off take of that particular machinery and equipment. However, while doing so, the district target for that particular machinery and equipment should remain intact.
3. In case of higher demand of a particular machinery /equipment in a particular district and if the district target for such machinery/equipment is exhausted the DDA of the concerned district will request the Director Agriculture, Food production, Odisha for enhancing the target. The Director

may redistribute the target of that particular machinery/ equipment among the districts keeping the State target intact.

4. If the demand for farm mechanisation cannot be met within the target fixed for the state, The Director of Agriculture and food production, Odisha will move the state government for enhancing the physical target and also for making additional provision of funds, if required

Role of NGO:

1. Popularising farm implements among farmers by demonstration. They need to organise field level workshops around use of various implements specific to upland crops such as vegetable, groundnut etc.
2. Demand generation of implements among farmers
3. Supporting farmers to apply through online application and booking of implements.
4. Helping farmers to access loan if needed.
5. Coordination among vendor, dealer to do the things smoothly within timeline.
6. Coordination with district nodal officer for additional allocation of farm implements if there is surplus demand from farmers.
7. Facilitating farmers to adopt micro practices in the field for optimum utilisation of farm implements:

**SITE SPECIFIC ACTIVITIES, BGREI
CREATION OF COMMUNITY IRRIGATION PROJECTS**

Introduction: Community Irrigation projects such as "Community Deep Bore Well", "Community Shallow Tube well" and Community Surface Lift Irrigation project are to be installed with 100% Govt. assistance in the 22 districts covered under BGREI

Executing Agencies

1. Departmental Zonal Superintending Engineers

Projects to be Executed

- I. Cluster Deep Bore Well(Comprising 4 nos of Deep Bore Well in a cluster)
- II. Cluster Deep Bore Well (Solar Energizing) (Comprising 4 nos of Deep Bore Well in a cluster)
- III. Cluster Shallow Tube Well (Comprising 5 nos of Shallow Tube Well in a cluster)
- IV. Community River Lift Irrigation Project

Selection Process

- A patch will be selected where minimum 10 farmers unite to form a Water Users' Society and be registered under Society Act 1956. If the farmers group belongs to a Society which is registered earlier, there is no need of forming a new society further. The patch will be approved by DSC of BGREI after submission of proposal by concerned DDA.
- The Cluster Deep Bore Well project will be assumed feasible subject to that it commands minimum 2 ha of agricultural land by each bore well i.e. 8 hec by a cluster during kharif .
- The Cluster Shallow Tube Well project will be assumed feasible subject to that it commands minimum 5 ha of agricultural land by each shallow tube well i.e. 25 hec by a cluster during kharif.
- The minimum command for Surface lift Irrigation project would be 20 ha in kharif and 15 ha in rabi.
- Such projects will be selected, where all STW/B.Well unit can be energized by a single transformer and required aquifer interference distance is maintained.
- The projects should be taken at Govt. land as far as practicable. In case suitable Govt. land is not available, the Water Users' Society will decide a place suitable to all and pass a resolution, that the project will not be a part of property of the concerned land owner to avoid legal complication in future.

- Registered Water Users' Society willing to install their irrigation project will submit application to concerned AAO of the area along with a consent document for depositing an amount equivalent to 10 percent of total project estimated cost when the proposed project is selected to be taken up after study of its feasibility and viability.
- The AAO, DAO of the district and concerned AAE/ AEE will visit the proposed site for feasibility study. In case the project requires extension of power supply line, the Electricity Department (CESU, WESCO, and SOUTHCO) need to issue feasibility certificate with tentative estimate for energization on the body of the application. If the project found feasible and viable from every aspect, the DAO will forward the application with his recommendation to the DDA of the district. The district steering committee on BGREI shall approve the proposal for execution of such irrigation projects. Once the project is technically found feasible, the Water Users' Society will be asked to deposit an amount of 10 % of the project cost in the designated account and document in support of deposit be submitted to DDA concerned. Execution of the projects, where 10 % deposit made, are to be considered.
- An account in the name of Society should be opened in any nationalised bank/approved private sector banks and 10 % of the project cost to be kept for purpose of maintenance of the project. However, The water Users' Group may decide the water charges and same may be collected from the individual beneficiaries (members) proportionate to the area of command.
- After approval, of the District Steering Committee on BGREI, the DDA will forward the list of projects to Superintending Engineers zones for execution.

Execution Process

- The A.A.E, DAO circle will prepare the estimate taking into the consideration of actual requirement of funds for energization. The estimate of boring and energization should be submitted to the AAE, Range for scrutiny and check. The AAE, Range will submit the estimate to the S.E (Agril) for accordance of technical sanction of the project after counter signature from DDA. The E.E (Agril) will accord technical sanction and take necessary steps for accordance of administrative approval. The estimated amount in no way should exceed the amount approved for the particular project.
- The Superintending Engineer (Agril)/Executive Engineer (Agril) of the zone /district will invite paper tender on local news paper as per the prevailing guideline of PWD code and an agreement to be made with the successful contractor for issuance of work order. The work will be executed under direct supervision of the Asst Agril Engineer of the concerned DAO circle and AAE, Range.

- After completion of the project the AAE, DAO Circle will record the measurement in M.B.. A photo of the Irrigation project should be taken in GPS enabled camera at different stages of installation of bore well
- All the work (100%) shall be measured by the AAE, DAO Circle, be submitted to Assistant Executive Engineer who will check measure 50 % of the work. Assistant Executive Engineer will submit measurement book along with bill and photographs to Executive Engineer (Agril), Zone for 10 %. check measurement. Since at present no Assistant Executive Engineer (Agril) available the Assistant Engineer of the Range will check measure (50%)the work, till the creation of post of Assistant Executive Engineer.
- On acceptance of all documents, the Executive Engineer (Agril) shall check measure 10 % of the work and effect payment to the contractor/ executants on fully completed and successful projects (no part payment is allowed) after deducting all taxes and royalty as applicable as per financial rule. The EMD and security deposit will be deducted from the bill as per rule which will be paid after 6 months of completion and satisfactory function without any problem.
- The E.E (A), Zones will intimate D.A & F.P (O), the list of such executed projects along with name and address of Water Users' Society.
- Utilization certificate will be submitted to the D.A & F.P after payment is made to the executants.
- Suitable cropping programme in the project command will be chalked out by the AAO concerned. During Rabi / Pre- Rabi light duty crops should be taken.

Handing over the project and maintenance

After successful completion of the projects, the same will be handed over to the Water Users' Society with joint signature of DAO and AAE. Subsequent repair and maintenance cost and payment of electrical energy charges etc will be taken up by the Water users' Society.