



Guidelines on The Revised Macro Management of Agriculture (MMA) Scheme



**Ministry of Agriculture
Department of Agriculture & Cooperation**

**July, 2008
www.agricoop.nic.in**



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**5. Components/Sub Schemes
Subsumed under the
Revised Macro Management
of Agriculture (MMA) Scheme**

the monitoring format is indicated at **Annexure XVII**.

5.4 Farm Mechanization

5.4.1 Farm mechanization has been an important element of modernization of agriculture. Productivity of the farm depends considerably on the availability of farm power coupled with efficient farm implements and their judicious utilization. Agricultural equipment enable efficient utilization of various inputs such as seeds, fertilizers, plant protection chemicals and water for irrigation in addition to alleviation of drudgery associated with various farm operations and making farming an attractive enterprise.

5.4.2 Though there has been considerable progress of mechanization in agriculture, its spread in the country has been uneven. In the year 2001-02, the availability of farm power in the country stood at 1.231 kW/ha (projected as 1.50 kW/ha in 2005-06). Punjab had the highest farm power availability at 3.50 kW/ha while Orissa had the lowest at 0.06 kW/ha. Some of the other States like Andhra Pradesh stood at 1.50 kW/ha, Madhya Pradesh at 0.80 kW/ha, Maharashtra at 0.70 kW/ha and West Bengal at 1.25 kW/ha. Looking into the World data, Japan had 8.75 kW/ha, UK 2.50 kW/ha, France 2.65 kW/ha, Italy 3.01 kW/ha and Germany 2.35 kW/ha. This indicates that India is far behind the developed countries in terms of farm power availability.

5.4.3 Farm productivity is directly proportional to the mechanization level in different States. The States with higher levels of farm power have higher productivity levels of foodgrain and vice-versa. Therefore, this calls for an increase in the farm power availability at a faster rate through promotion of appropriate agricultural mechanization to bring

it at an optimal level of 2 kW/ha for achieving the desired farm productivity in the country.

5.4.4 In order to promote various agricultural equipment among farmers at cheaper rates, the incentive in the form of subsidy is provided as per pattern of assistance approved in respect of different categories of equipment. The subsidy on tractors and power tillers will be available on the models approved by DAC under institutional financing. Besides tractors and power tillers, combine harvesters will also be made available to the farmers as per approved pattern of subsidy during the 11th Five Year Plan subject to recommendation by DAC under institutional financing. As individual farmer may not be in a position to purchase high cost equipment on his own, Self Help Group of farmers (SHGs), user groups, cooperative societies of farmers etc. would also be eligible for assistance under the programme.

5.4.5 Further, in order to make available quality equipment to the farmers through subsidy, the States should ensure that only the equipment tested by the Farm Machinery Training and Testing Institutes (FMT&TIs) under DAC or any other organization identified by the Central / State Governments are supplied under the Government assisted programmes. The equipment costing more than Rs.10,000/- should either have BIS certification i.e. bear ISI quality marking or have undergone testing at any of the FMT&TIs.

5.4.6 The pattern of assistance for different farm equipment under Revised MMA Scheme is indicated in the **Annexure VI** and the monitoring format at **Annexure XVIII**.

5.5 Integrated Nutrient Management and Integrated Pest Management (INM and IPM)

Integrated Nutrient Management

5.5.1 The Centrally Sponsored Scheme "Balanced

**6. Pattern of Assistance
under Different Components/
Sub Schemes Subsumed under
Revised Macro Management
of Agriculture (MMA) Scheme**

PATTERN OF MAXIMUM PERMISSIBLE ASSISTANCE FOR FARM MECHANIZATION

Sl	Name of equipment/machine	Pattern of Assistance
1	2	3
1.	Tractor	@25% of the cost limited to Rs.45,000/- Tractors upto 40 HP
2.	Power Tiller	(i) @40% of the cost limited to Rs.45,000/- Power tiller 8 BHP & above: (ii) @ 40% of the cost, limited to Rs.25,000/- Light weight power tiller below 8 BHP for hilly regions :
3	Self propelled Reaper, paddy transplanter and other similar self propelled machines	@25% of the cost limited to Rs.40,000/-
4.	Specialized power driven equipment	(i) @25% of the cost limited to Rs 15,000/- Specialized power driven equipment like potato planter, potato digger, groundnut digger, strip till drill, tractor drawn reaper, cleaner-cum-grader, dryer, stubble shaver, mobile fruit harvester, power weeder, mini rice mill, dal mill, cultipacker, onion harvester with de-topping attachment, carrot harvester, motorized banana fibre making machine. (ii) @ 40% of the cost limited to Rs.20,000/- Specialized power driven equipment like Zero-till-Seed-cum fertilizer Drill, Raised Bed Planter, Sugarcane cutter planter/ring pit digger/post hole digger, rotavator, straw reaper, crop reaper/binder, happy seeder, vegetable transplanter/pneumatic vegetable seeder. NB: Any extra equipment proposed by States would be considered by DAC under the appropriate category of assistance.

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Sl	Name of equipment/machine	Pattern of Assistance
1	2	3
5.	Manually operated implements/tools	@25% of the cost limited to Rs.2,000/-
6.	Animal driven implements	@25% of the cost limited to Rs.2,500/-
7.	Animal driven tool carrier	@25% of the cost limited to Rs.6,000/- Animal driven specialized implements viz. (i) Multi tool bar / carrier / tropicultor (with minimum four attachments) (ii) Pre-germinated paddy seeder
8.	Power driven equipment (Tractor/ power tiller operated) Intended inclusion of all tractor & power tiller driven conventional equipment/ implements.	(i) @ 25% of the cost, limited to Rs.10,000/- for essential tractor driven implements viz. MB/Disc plough, harrow, cultivator, seed-cum-fertilizer drill. (ii) @ 25% of the cost, limited to Rs.10,000/- for a set of power tiller driven implements i.e. harrow, cultivator and seed drill.
9.	Power Threshers (All types)	25% of the cost, limited to Rs. 12,000/-
10.	Diesel/Electric pump sets	@ 50% of the cost, limited to Rs.10,000/- Diesel/electric pump sets upto 7.5 BHP/5kW
11.	Cono Weeder	Assistance @ Rs. 3,000 per farmer or 50% of the cost, whichever is less
12.	Plant Protection Equipment: (i) Manual (ii) Power operated (iii) Tractor mounted (iv) Aero-blast sprayer	@25% of the cost, limited to Rs.800/- @25% of the cost, limited to Rs.2,000/- @25% of the cost, limited to Rs.4,000/- @25% of the cost, limited to Rs.25,000/-

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Sl	Name of equipment/machine	Pattern of Assistance
1	2	3
13.	<p>Combine Harvesters (Apart from the main farm equipment mentioned above, the financial assistance would be considered for combine harvesters owned by Group of farmers, Registered Cooperative Societies, Agricultural Credit Societies, Multi-Purpose Agricultural Farming Societies, Self Help Groups (SHGs), provided such groups are not part of any NGO. The combine harvester should have been recommended by Department of Agriculture & Cooperation under institutional financing.</p>	<p>@ 25% of the cost limited to Rs 1.50 lakh, whichever is less. (Keeping in view the fact that most of the combine harvesters (having 12-14 feet cutter bar) being used by the farmers are in the price range of Rs 7 lakh to Rs 9 lakh per unit)</p>

MONITORING FORMAT FOR FARM MECHANIZATION

Name of State :

Month Ending :

Sl. No.	Items as approved in the State's Work Plan	Targets as per Work Plan	Achievement	Farmers benefited					
				Small	Marginal	SC/ST	Women	Others	Total
1	2	3	4	5	6	7	8	9	10
A.	PHYSICAL PROGRESS (in nos.)								
	POWER SOURCE :								
1.	Tractors								
2.	Power tillers								
	HAND TOOLS :								
3.	Horticultural tools								
4.	Weeder								
5.	Seed Drill								
6.	Paddy Transplanter								
7.	Paddy Thresher								
8.	Decorticator/Sheller								
9.	Fertiliser Broadcaster								
10.	Seed Treating Drum								
11.	Chaff Cutter								
12.	Storage Bin								
13.	Others (specify)								
	BULLOCK DRIVEN IMPLEMENTS :								
14.	MB/Disc Plough								
15.	Harrow								
16.	Cultivator								
17.	Paddy Puddler								
18.	Seed Drill / Seed-cum-fertilizer drill								
19.	Planter								
20.	Potato Digger								
21.	Multi Tool Carrier								
22.	Others (specify)								

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Sl. No.	Items as approved in the State's Work Plan	Targets as per Work Plan	Achievement	Farmers benefited					
				Small	Marginal	SC/ST	Women	Others	Total
1	2	3	4	5	6	7	8	9	10
	TRACTOR DRIVEN IMPLEMENTS :								
23.	MB/Disc Plough								
24.	Harrow								
25.	Cultivator								
26.	Seed Drill / Zero-till- Seed-cum-fertilizer drill								
27.	Leveller								
28.	Post-hole Digger								
29.	Sugarcane Planter								
30.	Potato Planter								
31.	Rotavator								
32.	Raised bed planter								
33.	Straw Reaper								
34.	Power Weeder								
35.	Happy Seeder								
36.	Laser Leveller								
37.	Ridge & Furrow Maker								
38.	Others (specify)								
	POWER OPERATED/ SELF PROPELED MACHINES :								
39.	Rice Transplanter								
40.	Reaper/Reaper Binder								
41.	Thresher								
42.	Mini Rice Mill/Dal Mill								
43.	Others (specify)								
	PLANT PROTECTION EQUIPMENT :								
44.	Manual								
45.	Power operated								

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Sl. No.	Items as approved in the State's Work Plan	Targets as per Work Plan	Achievement	Farmers benefited					
				Small	Marginal	SC/ST	Women	Others	Total
1	2	3	4	5	6	7	8	9	10
46.	Tractor mounted								
47.	Aero Blast Sprayer								
48.	IRRIGATION EQUIPMENT :								
49.	Diesel/Electric Pump Sets								
50.	Sprinklers								
51.	Drip Equipment								
52.	Low Lift Pump								
53.	HDPE Pipes								
	Others (specify)								

B. FINANCIAL PROGRESS (Rs. in Lakh) :				
Sl. No.	Unspent balance as on beginning of the fiscal	Allocation as per Work Plan	Cumulative Expenditure till month ending _____	Unspent Balance as on 1st of next month
1	2	3	4	5

Note: Progress in respect of KBK districts in Orissa and Bodoland Council area in Assam may also be furnished separately by the respective States.

In case of group activity, number of groups category-wise-(i) Small & Marginal farmers a) Women, b) SC, c) ST, d) Others, (ii) Large & Medium farmers a) Women b) SC c) ST d) Others iii. Total farmers a) Women, b) SC, c) ST, d) others assisted / benefited should be indicated separately.

FORM OF UTILIZATION CERTIFICATE

Sl. No.	Letter No. and date	Amount
	Total	

Certified that out of Rs. _____ of grants-in-aid sanctioned during the year _____ in favour of _____ under this Ministry/ Department Letter No. given in the margin and Rs. _____ on account of unspent balance of the previous year, a sum of Rs. _____ has been utilized for the purpose of _____ for which it was sanctioned and that the balance of Rs. _____ remaining unutilized at the end of the year has been surrendered to Government (vide No. _____, dated _____) / will be adjusted towards the grants-in-aid payable during the next year _____.

2. The Utilization Certificate should also disclose whether the specified, quantified and qualitative targets that should have been reached against the amount utilized, were in fact reached, and if not, the reasons thereof. They should contain an output-based performance assessment instead of input-based performance assessment.

3. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned.

Kinds of checks exercised

- 1.
- 2.
- 3.
- 4.
- 5.

Signature _____

Designation _____

Date _____

