

No.F.23012/27/14-RD(NREGS)  
GOVERNMENT OF MIZORAM  
RURAL DEVELOPMENT DEPARTMENT

Dated Aizawl, the 15<sup>th</sup> April 2014

OFFICE MEMORANDUM

Subject: Guidelines for Development of Fisheries through Convergence of MGNREGS and Fisheries Department in Mizoram

In pursuance to the State Level Workshop on Convergence of MGNREGA and Other Schemes held on 19<sup>th</sup> March 2014 with the officials of the Ministry of Rural Development, Government of India; Rural Development Department, Government of Mizoram and Fisheries Department, Government of Mizoram jointly issued Guidelines for Convergence of MGNREGA with Development of aquaculture and pisciculture for sustainable livelihood of the fish farmers in the State.

**1. Background**

Fisheries and aquaculture development are essentially rural activities involving a high component of skilled and unskilled labour. Convergence between MGNREGA and agencies that foster fisheries and aquaculture development in the country will be mutually beneficial. The fisheries and aquaculture programmes in the country have the main technological inputs from the National Agricultural Research System (NARS) comprising the ICAR institutes and State Agricultural Universities. The developmental activities in the fisheries sector are driven by (a) development/extension activities being undertaken by the Department of Animal Husbandry, Dairy Development and Fisheries and (b) the newly formed National Fisheries Development Board (NFDB), with the fisheries departments of the State governments as the nodal points. In Mizoram, Fisheries Department is the Nodal Department for all types of aquaculture and pisciculture development.

The vision document of Fisheries Sector in the state of Mizoram envisages sustainable development of the sector for nutritional security and livelihood support with a mission to attain 11kg/capita of table size fish produced within the state. Thereby, the objectives are mainly pivoted around enhancement of inland fish production through freshwater aquaculture, enhancement of production in open water including development of the ancillary activities connected to the sector for offering sustainable livelihood including welfare of fisher folk and fish farmer.

The present statistics of the sector reveals that the existing cultivable water bodies in the state could offer only 4.81kg/capita leaving a shortfall of 6.19kg towards meeting the per capita prescribed requirement of 11kg.

To achieve this goal, the Department requires more new water bodies to be brought under fish farming through construction of new ponds and renovation of existing ponds. Also, the unit are productivity which is estimated to be 1.21 M.T/Hectare has to be augmented to 2-2.5 M.T/Hectare/Year. To achieve the targeted

goal of 16,000 M.T of fish production from the state-owned resources by the end of 12<sup>th</sup> Plan Period to offer 11kg per capita to the projected population.

To do so, about 3500 Hectare of new ponds and tanks has to be developed within 12<sup>th</sup> Plan Period.

Unfortunately, due to constraints of fund, rapid/accelerated development of the sector could not be undertaken till date by the Fisheries Department.

With the launching of MGNREGA, there is a fair possibility of accelerating the pace of development of the sector in the state through convergence with other permissible programmes as per guidelines issued by the Government of India.

## **2. Scope of Convergence**

As per amendment to MGNREGA (Schedule I Category II), creation of infrastructure for promotion of fisheries such as, fish drying yards, storage facilities, and promotion of fisheries in seasonal water bodies on public land have been included, hence convergence between the two schemes or departments is proposed.

The present project aims at converging MGNREGA funds with ongoing CSS, RKVY, NFDB etc programme for creation of new ponds and tanks and renovation of existing ponds and tanks for Pisciculture in the state keeping intact the principle/objectives of MGNREGA to offer assured employment generation and the principle of 60% wages component and 40% material component of the total fund provided from MGNREGA for this purpose.

## **3. Modalities of Convergence**

At present, the sector is tapping funds for development of new pond and renovation of existing pond on the unit cost norm of Rs.4.50 lakh/Hectare and Rs.75,000/Hectare respectively for new pond construction and renovation of existing ponds and tanks.

The payable subsidy for this purpose is 25% of the unit cost being Rs.1.125 lakh per hectare, Rs.0.3125 lakh respectively for new pond and renovation of existing pond.

The remaining balance of unit cost has to be Bank loan or beneficiaries component.

Therefore, the beneficiaries have to struggle hard to complete the project and meaningful development is hampered. Thus, it is proposed that the non-subsidy portion may be tapped through convergence from MGNREGA and farmers (beneficiaries) contribution along with subsidy in the following in the ration of 1:2:1 i.e Subsidy : MGNREGA fund : Beneficiaries contribution.

Thereby, the new pond construction convergence is proposed to be 25% from CSS, 50% from MGNREGA and 25% farmer's marginal contribution. For the year 2014-2015, the Department proposes to take up construction of 800 hectare of new

pond and 1000 hectare of renovation of existing ponds under under convergence programme etc.

The details of requirement of fund from various funding agencies through convergence are as shown below:-

Year	Activities	Target ed (in Ha)	Unit cost/Ha (Rs.in lakh)	% of convergence from various sources			Total
				CSS/ NFDB/ NLUP 25%	MGNREG A 50%	Beneficiaries marginal 25%	
2014-2015	(i) New pond construction including 1 <sup>st</sup> year input	135	4.50	151.875	303.75	151.875	607.50
	ii) Renovation of existing ponds	540	1.25	168.75	337.50	168.75	675.00
	<b>Sub-total 2013-14:-</b>			<b>320.625</b>	<b>641.25</b>	<b>320.625</b>	<b>1282.50</b>
2 <sup>nd</sup> phase after final of the Annual Plan	i) New pond construction including 1 <sup>st</sup> year input	800		900.00	1800.00	900.00	3600.00
	ii) Renovation of existing ponds	1000		312.50	625.00	312.50	1250.00
	<b>Sub-total 2014-2015:-</b>			<b>1212.50</b>	<b>2425.00</b>	<b>1212.50</b>	<b>4850.00</b>
	<b>G.Total:-</b>			<b>1539.125</b>	<b>3066.25</b>	<b>1533.175</b>	<b>6135.50</b>

As per the financial requirement as shown above the required fund from MGNREGA is to the tune of Rs.2425.00 lakh for the convergence plan being 50% of the component, the remaining 25% each for CSS and beneficiary marginal accounts for Rs.1212.50 each.

Out of the entire proposed fund under MGNREGA 60% will be wage component amounting to Rs.1455.00 lakh offering 6,61,364 man days towards assured employment generation and 40% being material component amounting to Rs.970.00 lakh. Illustrative Estimates for activities in the Pisciculture Development are given in **Annexure I and II**

#### **4. Non- negotiable in work execution**

i) Only job cardholders will be employed for the unskilled part of work. It is necessary that the beneficiary is also a job card holder and work on muster as unskilled labour on his/her ponds or farms.

ii) Muster Rolls will be maintained on the worksite by the implementing agency concerned with copies to the Village Council or Village Employment Council.

iii) Wage payments will be done only through banks/post office accounts unless exempted by Ministry of Rural Development

iv) No contractor and labour displacement machine will be deployed for construction or renovation of farms ponds or tanks.

v) Record of employment generated under convergence will be maintained separately

vii) The individual household beneficiary in the cluster shall be a household eligible under MGNREGA for work on private land/homestead

vii) Every cluster will be treated as a MGNREGA project for the purpose of:

- a) Giving a unique work ID
- b) Entry in Works and Asset register
- c) Social Audit by Gram Sabha
- d) Evaluation by Vigilance and Monitoring Committee

viii) Each Village Council will maintain a complete list of all clusters with member beneficiaries with their Job Card number and activities related to pisciculture development carried out by the clusters under MGNREGA or otherwise. In the asset register, the breakup of the assistance/subsidy utilized from Fisheries Department, beneficiary's own contribution and the expenditure from MGNREGA will be shown separately.

ix) Persons with Disabilities and women shall also be engaged in the works under this scheme and their works shall be identified by each Village Council.

## **5. Constitution of Coordination Committee:**

There shall be State Level Coordination Committee with Secretary, Rural Development Department as its Chairman. Director, Fisheries, Joint Secretary, Rural Development Department, Joint Director, Fisheries Department shall be members.

In the District level, District Programme Coordinator will be the Chairman of District Level Coordination Committee and the District Programme Officer, District Fisheries Development Officer and Programme Officers will be members.

At the Block Level, Programme Officer along with line departments if any and Presidents of the Village Councils concerned where the scheme is being implemented and the concerned Village Level Administrative Assistant will form the Block Level Coordination Committee

Fisheries Department shall appoint a Nodal Officer for convergence at the State level

## **6. Assistance and Convergence of the two schemes**

Sl.No	MGNREGA	Fisheries Department
1	Earth Work (all labour intensive)	Inorganic manures

2	Construction of new ponds	Fingerlings
3	Renovation of existing ponds	Fish Seeds
4	Planting of mulberry trees	Urea
5		Macro Nutrients
6		SSP
7		Intercrop
8		Pesticides
9		70% drip irrigation
10		Green Houses and other technology interventions
11		Organic manures

All technical aspects in the construction of new tanks and ponds and renovation of existing tanks under this convergence programme shall be the responsibilities of the Fisheries Department.

The Labour and Material should not exceed 60:40. All labour intensive works shall be taken up under Wage Component of MGNREGA and upto 40% of cost for material component can be utilized from Material Component of the MGNREGA. Departmental budget will be used for material component

## 7. Responsibilities and implementation

Sl.No	MGNREGA	Fisheries Department
1		Identification of farmers
2	Approval of proposal at Gram Sabha	Training of farmers
3	Administrative sanction	Technical Guidance to field staff and farmers
4	Preparation of Shelf of Work	Identification of nurseries
5	Issue of work order/work commencement	Supply of inputs
6	Maintenance of Muster Roll	Sensitization of stakeholders
7	Payment	

## 8. Monitoring & Report

i) Details of each work taken up under these convergence guidelines and all incidental details such as attendance, payment etc. from MGNREGA funds will be entered in NREGASoft just as for any other work. These works will fall in Category II works and should be entered accordingly.

ii) While filling up details of the work in “Work Module” it should be ensured that all details are filled correctly. Care needs to be taken to enter the area in specified units of dimension (hectare). In addition, all other details in respect of convergence such as (a) the scheme other than MGNREGA from which funds are being utilized and (b) the amount

iii) For the amount spent from MGNREGA, the accounts will be maintained in formats as for other works that are taken up from MGNREGA.

iv) NREGAsoft will also provide a field for entering further details such as survival, health of the plant etc. at the end of each financial year.

v) As huge sums are being invested in these works, it is necessary that the progress is monitored periodically and jointly by officials of Fisheries Department and District Programme Officer and Programme Officer. It is suggested that quarterly meetings are held between these officials and progress of each cluster communicated to Rural Development Department and Fisheries Department. State Govts will designate a nodal officer for this purpose.

vi) Each converging department shall carry inspection and verification as required and shall share the outcomes of the inspection and verification and make suggestion for further improvement towards convergence of these two programmes at the district level.

vii) Monthly Report on the progress of implementation of convergence will be sent to the Secretary, Rural Development Department and Director, Fisheries Department by two converging departments from the districts.

#### 9. Activity to be piloted in Mizoram for FY 2014-15:

To begin with, rubber plantation development will be undertaken as pilot projects in selected clusters in the state of Mizoram in accordance with the convergence guidelines issued by Ministry of Rural Development. Development of pisciculture will be taken up in the districts of Mamit, Champhai and Kolasib for the financial year of 2014-2015 as below. Based on the feedback, the scheme will be scaled up from next year. Individual beneficiaries will be circulated to all Districts, Blocks or village concerned.

Sl. No	District	Area (phy)	Block to be covered	Villages to covered under each Block	Remarks
1	2	3	4	5	6
1.	Kolasib	254 Ha	Thingdawl  Bilkhawthlir	Hortoki, Kawnpui, Khamrang, Thingdawl, Kolasib  Bilkhawthlir, Buhchang, PHainuam, Saiphai, Vairengte	All the area under Col.3 covered under FFDA/ NFDB and NLUP for Serchhip District
2.	Mamit	176 Ha	Zawlnuam	Zawlnuam, Kanhmun, Bungthuam, Sihthiang, Darlak	

3.	Champhai	125 Ha	Khawbung	Vaphai, Farkawn, Vanzau, Samthang, Khuangleng, Khawbung	
4.	Serchhip	100 Ha	Serchhip	Serchhip, Keitum, Chhiahtlang, Bungtlang, Mat zau	

## 10. Expected Outcome of the Convergence Project

On completion of the project and gestation period the project will offer additional production of about 1950 M.T of table sized fishes generating a gross income of Rs.3510.00 lakh to the fish farmers involved under the programme. Calculating 35% of the gross income as annual recurring expenditure and taking into account depreciation, annual repair cost and a discount factor of 12% at NPV/NPF the BCR of the project comes to 1.74. Since the BCR is >1, the project is technically feasible and economically viable.

## 11. Other issues

Both the Departments will adhere to any fresh instructions issued by Government of India or the State Government from time to time.

**Sd/-L. TOCHHONG**  
**Chief Secretary**  
**Government of Mizoram**

Memo No.F.23012/27/14-RD(NREGS)

Dated Aizawl, the 15th April 2014

Copy to:

1. Principal Secretary to the Chief Minister, Mizoram, for information
2. PS to Hon'ble Minister, Rural Development Department for information
3. PS to Hon'ble Minister, Fisheries Department for information
4. Sr PPS to Chief Secretary, Government of Mizoram for information
5. Secretary, Fisheries Department for information
6. Director, Rural Development Department for information
7. Director, Fisheries Department for information
8. District Programme Coordinator, MGNREGA for information and necessary action
9. District Programme Officer, MGNREGA for information and necessary action
10. Director, SIRD for information and necessary action
11. Director, SAU (MGNREGA) for information and necessary action
12. Project Director, SLMC & IAC for information
13. Block Development Officers for information and necessary action
14. District Fisheries Development Officers, Horticulture Department for information and necessary action.

15. Web Administrator, Rural Development Department for uploading at mizorural.nic.in and mizonrega.nic.in
16. Guard File



**(L. TOCHHONG)**  
**Chief Secretary**  
**Government of Mizoram**



**ANNEXURE I**  
**DETAILED ESTIMATE FOR CONSTRUCTION OF NEW POND FOR 1.0 HECTARE**  
**AREA INCLUDING 1<sup>ST</sup> YEAR INPUT COST UNDER MGNREGA 2014-2015**  
**(CONVERGENCE PLAN)**

‘A’ ½.08	Earthwork in excavation in foundation trenches etc not exceeding 2mt depth including dressing of bottom and sides of trenches and subsequent filling and compaction is in 15cm layer		
	a) Ordinary soil		
	dam	1x( ½ x3.00+15.00)x3.00x30.00 =	810.00m <sup>3</sup>
	outlet	1x4.50x1.50x1.20	= 8.10m <sup>3</sup>
		@ Rs.218.10/m <sup>3</sup>	= Rs.818.10m <sup>3</sup>
		<b>TOTAL</b>	<b>= Rs.1,78,427.61</b>
2/7.08	Coursed masonry with rectangular size hard stone in foundation one storey above and below ground level		
	Outlet side wall	2x4.50x.30x1.20	= 3.24m <sup>3</sup>
	Bottom	1x4.50x1.50x0.30	= 2.08m <sup>3</sup>
	Side wall for dam	2x30.00x.45x3.00	= 27.00m <sup>3</sup>
		<b>TOTAL</b>	<b>= 32.27m<sup>3</sup></b>
		@ Rs.6675.30/m <sup>3</sup>	= Rs.2,15,411.94
		<b>TOTAL</b>	<b>= Rs.3,93,839.55</b>
		<b>Say</b>	<b>= Rs.4,00,000/-</b>

**‘B’ Material and Input cost**

1.	Liming with 1000kg of slaked lime @ 1000kg/ha	= Rs. 4,990.00
	Rs.4.99/kg	
2.		= Rs. 5,000.00
	Manuring with organic manure:- 10 MT of raw cowdung	
	@ 10,000kg/ha Rs.0.50/kg	
3.		= Rs. 3,000.00
	<b>Inorganic manure:-</b>	= Rs. 2,160.00
	(a) Urea 300kg @ 300kg/ha Rs.10.00/kg	= Rs. 1,500.00
	(b) SSP 240kg @ Rs.240kg/ha Rs.9.00/kg	
	(c) Macro nutrient 10kg @ Rs.10kg/ha Rs.150/kg	
4.		= Rs. 6,000.00
	<b>Cost of fish seeds:-</b>	
	10,000nos (Indian Major carps and Exotic carps) @	
	10,000nos/ha Rs.600/-per 1000nos	
5.		= Rs. 2,600.00
	<b>Cost of fish feed:-</b>	
	13qtls of pelleted fish feed @ 13qtls/ha Rs.2000/qrtl	
6.		= Rs. 1,350.00
	Miscellaneous/unforeseen expenditure (LS)	
	<b>TOTAL:-</b>	<b>= Rs.50,000.00</b>
	<b>TOTAL A+B:-</b>	<b>=</b>
		<b>Rs.4,50,000.00</b>
	<b>60% labour cost:-</b>	<b>=</b>
	<b>40% materials component:-</b>	<b>Rs.2,70,000.00</b>
		<b>=</b>
		<b>Rs.1,80,000.00</b>

**'C' Convergence Plan:-**

As per discussion in the meeting on 19<sup>th</sup> March 2014 and subsequent meeting on 28.3.2014, the propose convergence plan for 1.0 hectare of new pond are as follows:-

<i>25% subsidy FFDA/NFDB</i>	<i>50% MGNREGS convergence Rs.2.250 lakh</i>	<i>25% beneficiaries contribution Rs.1.125 lakh</i>
Rs.1.125 lakh	Rs.2.250 lakh	Rs.1.125 lakh

Therefore, proposed new construction of pond the total MGNREGS i.e Rs.182.25 lakh will generate. 107205 mandays of employment and Rs.125.00 lakh i.e 40% will be material cost including inputs.

(1) Estimate for construction prepared by

(Inputs and material)  
Estimate prepared by

Countersigned by

## ANNEXURE II

### DETAILED ESTIMATE FOR RENOVATION OF POND 1.0 HECTARE AREA INCLUDING 1<sup>ST</sup> YEAR INPUT COST UNDER MGNREGA 2014-2015 (CONVERGENCE PLAN)

'A' ½.08	Earthwork in excavation in foundation trenches or drains including dressing of sides and ramming of bottom		
	a) Ordinary soil		
		1x30.00x0.60x10.00	= 180.00m <sup>3</sup>
		@ Rs.218.10/m <sup>3</sup>	= Rs.39,258.00
2/7.08	Coursed masonry with rectangular size hard stone in foundation		
	Repair work	2x2.00x0.90x	= Rs.39,258.00
2/7.08	Coursed masonry with rectangular size hard stone in foundation		
	Repair work	2x2.00x0.90x0	= 1.08m <sup>3</sup>
	Main wall	2x3.00x2.70x.30	= 4.86m <sup>3</sup>
		TOTAL	= 5.94m <sup>3</sup>
		@ Rs.6675.30/m <sup>3</sup>	= Rs.39,651.29
		TOTAL	= Rs.78,909.29
		<b>Say</b>	<b>= Rs.75,000/-</b>
<b>'B' Material and Input cost</b>			
1.	Liming with 1000kg of slaked lime @ 1000kg/ha		= Rs. 4,990.00
	Rs.4.99/kg		
2.			= Rs. 5,000.00
	Manuring with organic manure:- 10 MT of raw cowdung		
	@ 10,000kg/ha Rs.0.50/kg		
3.			= Rs. 3,000.00
	<b>Inorganic manure:-</b>		= Rs. 2,160.00
	(a) Urea 300kg @ 300kg/ha Rs.10.00/kg		= Rs. 1,500.00
	(b) SSP 240kg @ Rs.240kg/ha Rs.9.00/kg		
	(c) Macro nutrient 10kg @ Rs.10kg/ha Rs.150/kg		
4.			= Rs. 6,000.00
	<b>Cost of fish seeds:-</b>		
	10,000nos (Indian Major carps and Exotic carps) @		
	10,000nos/ha Rs.600/-per 1000nos		
5.			= Rs. 2,600.00
	<b>Cost of fish feed:-</b>		
	13qtls of pelleted fish feed @ 13qtls/ha Rs.2000/qrtl		
6.			= Rs. 1,350.00
	Miscellaneous/unforeseen expenditure (LS)		
	<b>TOTAL:-</b>		<b>= Rs.50,000.00</b>
	<b>TOTAL A+B:-</b>		<b>=</b>
			<b>Rs.1,25,000.00</b>
	<b>60% labour cost:-</b>		<b>= Rs.75,000.00</b>

**40% materials component:-**

**= Rs.50,000.00**

**'C' Convergence Plan:-**

As per discussion in the meeting on 19<sup>th</sup> March 2014 and subsequent meeting on 28.3.2014 the propose convergence plan for 1.0 hectare of existing renovation pond are as follows:-

<i>25% subsidy State Govt. component of under FFDA/NFDB</i>	<i>50% MGNREGS convergence</i>	<i>25% beneficiaries marginal contribution</i>	
Rs.0.3125 lakh	Rs.0.625 lakh	Rs.0.3125 lakh	Rs.1.250 lakh

Therefore, 540 hectare of existing renovation of pond the total MGNREGS share is estimated to be Rs.337.25 lakh of which 60% of total MGNREGS i.e Rs.202.35 will generate 190,295 mandays of employment and Rs.134.90 lakh i.e 40% will be material cost including inputs.

(1) Estimate for construction prepared by

(Inputs and material)  
Estimate prepared by

Countersigned by