



# JOINT CONVERGENCE GUIDELINES

for Taking up of Host Plants of Silkworms

MAHATMA GANDHI NATIONAL RURAL EMPLOYMENT GUARANTEE SCHEME (Ministry of Rural Development)

CATALYTIC DEVELOPMENT PROGRAMME
(Ministry of Textiles)



### No.: J-11017/17/2013-MGNREGA (UN) (Part-II)

Government of India Ministry of Rural Development (Mahatma Gandhi NREGA Division)

Krishi Bhawan, New Delhi

October 8, 2013

To

The Chief Secretary

Sub: Guidelines for convergence of MGNREGA with Catalytic Development Programme of the Ministry of Textiles.

Sir/Madam,

In recent years, substantial public investments are being made for strengthening the rural economy and the livelihood base of the poor. To maximise outcomes of these investments and effectively address the issue of poverty alleviation, there is a need to optimize efforts through inter-sectoral convergence of development programmes. MGNREGA offers a major opportunity for leveraging convergence. The Ministry of Textiles is an important partner in this regard.

The expansion of the scope of individual land holdings from SC/ST/BPL to include marginal and small farmers provides a large base for convergence in a way that can directly impact productivity and income. Based on a series of consultations among the Ministry of Rural development, Ministry of Textiles and Central Silk Board, guidelines for convergence between MGNREGA and Catalytic Development Programme have been developed and are attached. These guidelines are meant to optimize synergies between the programmes of the two Ministries. They are suggestive in nature and should be used to encourage innovative convergence projects pertaining to sericulture at the district and subdistrict levels.

Keeping the above in view, we would request you to convene a meeting of the officials of the concerned Departments in the states to discuss these guidelines. This should be followed by a joint meeting of the district officials handling MGNREGA and schemes of sericulture. The District Officers' meetings should aim at firming up processes for operationalizing the Convergence Guidelines in a time bound manner.

We would appreciate an acknowledgement of this communication and intimation of the action initiated.

Secretary

Department of Rural Development

Ministry of Rural Development

Secretary

Ministry of Textiles

Aparajita Sarangi Joint Secretary Tel. No. 23383553



ग्रामीण विकास मंत्रालय ग्रामीण विकास विभाग भारत सरकार कृषि थवन, नई दिल्ली-110114 Ministry of Rural Development Deptt. of Rural Development Government of India Krishi Bhavan, New Delhi-110114

Dated, 8th October, 2013

No.: J-11017/17/2013-MGNREGA (UN) (Part-II)

Dear Malam.

I am enclosing herewith a copy of the draft guidelines for taking up plantation through convergence of MGNREGA with Catalytic Development Programme of the Ministry of Textiles.

It is requested to concur in the proposal and communicate to us at the earliest.

But Wille,

Yours sincerely,

(Aparanta Sarangi)

8/10/13

Enclosure: As above

Ms. Monika S. Garg, Joint Secretary, Ministry of Textiles, Government of India

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# LIST OF ABBREVIATIONS

SI. No.	Abb.	Detail	SI. No.	Abb.	Detail
1.	Adapahi	Degraded forest areas used for vanya silkworm host plantation	14.	MT	Metric Ton
2.	AS	Administrative sanction	15.	MoT	Ministry of Textiles
3.	СВО	Community based Organization	16.	NPK	Nitrogen, Phosphorus & Potash
4.	CDP	Catalytic Development Programme	17.	PO	Programme Officer
5.	CSB	Central Silk Board	18.	PRI	Panchayat Raj Institutions
6.	Chawki	Young age silkworm	19.	SC	Scheduled Caste
7.	DOS	Department of Sericulture	20.	Sericulture	Rearing of silkworm for cocoon production
8.	DPC	District Programme Coordinator	21.	SHG	Self Help Group
9.	GP	Gram Panchayat	22.	SoR	Schedule of Rates
10.	Host plant	Silkworm host plants utilized for silkworm feeding	23.	ST	Scheduled Tribe
11.	HYV	High Yielding Varieties	24.	тот	Transfer of Technology
12.	MGNREGA	Mahatma Gandhi National Rural Employment Guarantee Act	25.	Vanya Silk	Tasar / Oak Tasar, Eri & Muga Silk
13.	MGNREGS	Mahatma Gandhi National Rural Employment Guarantee Scheme	-		

## Guidelines for taking up host plants of silkworms through Convergence of MGNREGS with the Schemes of Catalytic Development Programme of the Ministry of Textiles

### 1. CONTEXT

- 1.1. Sericulture as source of livelihood and an important tool for rural employment: Sericulture and silk industry in India contributes significantly towards rural employment, poverty alleviation, women empowerment, equity redistribution, resulting in improving national economy. The sericulture sector employs about 7.5 million rural people, mostly from the vulnerable sections of society. Total raw silk production at the end of XI Plan stood at 23,060 MT registering an annual growth of about 5% despite several adverse factors, including large scale uprooting due to urbanization and international price volatility during this period. Central Silk Board (CSB), a statutory body under the Ministry of Textiles, is a Science and Technology (S&T) based Research and Development organization and its main thrust has been on research based activities. The Board is covering areas like research and technology development, seed maintenance & production and, development of sericulture & silk Industry. India is the only country practicing all 4 varieties of commercially exploitable silk viz., Mulberry, Tasar, Eri and Muga silks. Sericulture is practiced in around 26 states including North East. It is one of the important income generating activities (IGA) for rural populace. Silk host plants being perennial trees provide green cover, prevent soil erosion and contribute towards water conservation. Vanya silk host plantation helps in afforestation besides providing livelihood opportunity to tribal people inhabiting the degraded forest areas. It is, therefore, proposed to increase the area under silk host plantation.
- 1.2 Schemes of Central Silk Board, Ministry of Textiles: Ministry of Textiles has taken up a Centrally Sponsored Scheme viz., Catalytic Development Programme (CDP), through Central Silk Board with the aim of synergizing and disseminating technologies, innovations developed by its R&D units by incentivising investments among the stakeholders to improved technology to enhance production, productivity and quality of silk. CDP has been an effective vehicle for transfer of technology (ToT) to the field. CDP being implemented since the IX Plan has been able to sustain and strengthen the sericulture activities in the country, which consists of various components and sub-components under mulberry and vanya silks (Tropical & Oak Tasar, Muga and Eri) covering seed, cocoon and post cocoon sectors. This programme of the Ministry of Textiles implemented through the CSB, in collaboration with the State Governments (Departments of Sericulture) aims to generate employment opportunities, particularly in the rural and tribal areas. Through focused approach in sericulture development catalyzed by Govt, of India's support, there has been quantifiable progress resulting in improvement of economic conditions of the stakeholders including ethnic groups. The CDP scheme is being continued during XII Plan and the components under the CDP envisaged to cover the following major areas:

- (a) Development and expansion of host plantation,
- (b) Strengthening and creation of silkworm seed multiplication infrastructure,
- (c) Development of farm infrastructure like rearing house, Chawki Rearing to adult silkworm rearing
- (d) Development of post-cocoon infrastructure, up-gradation of reeling and processing technologies in silk,
- (e) Skill development / Enterprise Development Programme, and
- (f) Support for publicity, study / consultancy, crop insurance, health insurance etc.

All the above programmes under CDP have been approved by the Govt. of India.

1.3 MGNREGA: One of the primary objectives of Mahatma Gandhi National Rural Employment Act (MGNREGA) is to provide employment to rural households on demand and in the process generate durable assets that lead to sustainable livelihood for the poor family.

### 2. COMMON OBJECTIVES OF MGNREGS AND CDP SCHEME OF CSB

- 2.1 The schemes operated by Central Silk Board, Ministry of Textiles, Govt. of India, under the Catalytic Development Programme have similar objectives as MGNREGA. These are:
  - a) To promote systematic plantations of host plants of mulberry, tasar, muga and eri silkworms as an economically viable, asset creation activity through convergence of MGNREGS and onward integration also with the CDP of the Ministry of Textiles, Govt. of India.
  - Providing livelihood through creation of durable assets and employment generation for the most vulnerable people in rural sector so as to enable their socio-economic security.
  - Ensuring higher land productivity, soil protection and improved water conservation.
  - d) Empowerment of the socially disadvantaged sections of the society, especially women, Scheduled Castes (SCs), Scheduled Tribes (STs), small and marginal farmers.
  - e) To identify an alternative source of labour force to plantation activities in sericulture sector, which is labour intensive during the initial years. The trained job card holders, who are ready to work over and above the assured 100 days under MGNREGS, could be utilized to meet the additional job requirement in this sector.
  - f) Capacity building of stakeholders through decentralized, participatory planning and convergence of activities of various agencies.
  - g) Conversion of barren and cultivable waste lands to productive use.

### 3. SCOPE OF CONVERGENCE

- 3.1 Almost all the works involved in sericulture including silkworm host plantation are labour intensive. It is estimated that around 11 man years of employment is generated by 1 ha of silkworm host plantation along the entire silk production chain covering all the activities till final product. The activities in the silk production chain cover development and maintenance of host plantation, silkworm rearing, silk reeling, silk twisting and silk weaving. Among all activities of the silk production chain, cultivation of host plants of silkworms and its maintenance is a critical agriculture oriented labour intensive land based activity. Hence, to start with development and maintenance of systematic plantations of the host plants of the mulberry & vanya silkworms till they become productive and construction of rearing houses for mulberry farmers are being proposed as convergence initiatives under MGNREGA.
- 3.2 Convergence between MGNREGA and Catalytic Development Programme (CDP) of the Ministry of Textiles is mutually beneficial, as it has the advantage of guaranteed resource support which ensures transparency and accountability. Untied funds and the provision of decentralized planning enables comprehensive need based planning at grassroots with pivotal role by the Panchayat Raj Institutions (PRIs). The convergence planning can achieve multiple goals in the development of sericulture industry by maximizing returns from the investments, promotion of public-private community partnership, sustainable development, by pooling of resources both human and capital, transfer of technologies evolved from R&D institutes of CSB and value addition through provision of backward & forward linkages from CDP schemes of MoT.

### 4. ACTIVITIES PROPOSED TO BE COVERED UNDER MGNREGS

- 4.1 Clearing/Land development: The identified land has to be developed adequately by removing remnants (roots etc.) of pre-existed vegetation and clearing for plantation of host plants of recommended varieties and ideal spacing. These works are essential while converting uncultivable and barren/fallow lands into cultivable lands through one-time land development.
- 4.2 Pit digging and transplantation: Recommended size of pits and spacing would be followed in the different sectors. Pit digging will be taken up and 4-5 months old saplings of high yielding varieties of food plants will be planted by filling pits with recommended dose of fertilizer/farm yard manure/vermi-compost and also with the top soil for better establishment.
- 4.3 Soil treatments: While intercultural operations as per schedule will be taken up, soil treatments viz., staggered/contour trenches based on the slope of land to facilitate soil and water conservation, cattle proof trench to avoid grazing of food plants and raising bund plants, in case of vanya silk sector are proposed. Wherever applicable, a cover/bund crop would be raised and maintained to keep the bund across the cattle proof trench to reduce eroding effect.

- 4.4 Watering and basin formation and Weeding: While mulberry is intensively cultivated crop with regular intercultural practices and irrigation, in case of host plants of vanya silkworms, zero tillage is practiced after initial establishment. However, during the year of plantation, watering is done to avoid mortality of the plants and maintenance (for 3 years after plantation) by forming basins around the plant and weeding is taken up to conserve rain water. This includes removal of undesirable side branches during the early stages.
- 4.5 Manure application: Recommended doses of farm yard manure/compost/ bio-fertilizer depending on the host plants are applied during the initial periods of establishment. For example, 400gms of vermi-compost during the initial establishment period and 75:25:25 kg of N:P:K is applied during 2<sup>nd</sup>, 3<sup>rd</sup> and 4<sup>th</sup> year of plantation in case of host plants of tropical tasar silkworms.
- 4.6 Plant protection/Disease management: Prophylactic (preventive) and curative measures against insects, pests and diseases as per the recommendations of the respective research institute would be taken up as per schedule for healthy growth of food plants. Priority shall be given to biological control measures viz., neem based insecticides/pesticides etc.
- 4.7 Inputs and farm implements: Required number of seedlings/saplings of host plants, plant protective chemicals/biological agents, manures/fertilizers etc., are provided so that the food plants become productive within the given schedule.
- 4.8 System of cultivation and package of practices in host plant cultivation will vary from sector to sector. While intensive cultivation practices are followed in case of mulberry, uncultivated lands/adapahi land, waste land in forest fringes etc., are utilized for vanya silk sectors.

# 5. ACTIVITIES PORPOSED THROUGH CENTRAL SILK BOARD SCHEMES AND BENEFICIARIES CONTRIBUTION

5.1 Host plantation, silkworm rearing, cocoon harvesting and all post-cocoon activities till marketing will be supported through Catalytic Development Programme Schemes of the Ministry of Textiles through Central Silk Board. The beneficiaries will contribute towards part of labour and material inputs. Activity-wise typical exercise on details of quantity, cost, labour, material, source of funds etc. are provided at **Annexure - IIA to VI** for mulberry, tropical and temperate tasars, muga and eri food plants, respectively. The Tables also indicate break-up of activities that can be supported through MGNREGS, CDP scheme and beneficiary contribution (labour, material, source of funding etc.) The beneficiaries will also contribute in various components relating to silkworm rearing, cocoon harvesting as per the norms of CDP approved by the Govt. of India.

### 6. DESIGN, SPECIFICATION AND COST NORMS

- 6.1 The designs/specifications adhere to scientific stipulations of the Central Silk Board, Ministry of Textiles. Standard unit size of individual holding is 1.0 acre in case of all sectors except tropical and temperate tasar sector, which is 1.0 ha. However, it can range from 0.5 acre to 1 ha in case of mulberry, muga and eri sectors and 0.7 to 2.0 ha in case of tropical and temperate tasar sectors. Species/varieties of host plants, spacing, manure/fertilizer dose, system of cultivation are indicated in the typical exercise at Annexure IIA to VI, which shall be adhered to. While soil treatments, numbers per unit area with respect to staggered and cattle proof trench are provided for part of the unit area, will vary according to the slope of the land and also extent covered in each cluster. All the packages of practices recommended by the CSB research institutes would be followed for raising and maintenance of food plants. Modifications from the guidelines of CDP schemes depending on geo-climatic conditions and planting material will be permitted only with the concurrence of CSB.
- 6.2 The designs/specifications are as per the approved norms of Central Silk Board for 5 Seri Zones (Southern Zone, Central & Western Zone, Eastern Zone, North Eastern Zone and Northern Zone). The planting material recommended by the Central Silk Board for different zones should be utilized by the concerned state. Plantation system and spacing should be as per the technology package recommended by Central Silk Board for different Seri-zones.
- 6.3 <u>Cost norms</u>: For MGNREGS, cost will be estimated on the basis of MGNREGA wages/SoRs. For remaining parts, cost norms prescribed by Central Silk Board will be applicable. Time and motion studies will be done.

### 7. MODE OF IMPLEMENTATION

- 7.1 Planning:
- (a) Activity of raising and maintenance of host plants of silkworms will be taken up in pockets where the soil/ climatic conditions are congenial/suitable for the host plants and rear silkworms. For inclusive/integrated development of those rural pockets, GP-wise projects on development and maintenance of host plants of silkworms will be prepared by the concerned State Sericulture Departments based on the feasibility study/survey.
- (b) All the works/activities required for inclusive development of the project area through initiating plantation development programmes for rearing silkworms will be shown clearly in terms of size of area/quantum of work, estimated cost and the schemes under which these are to be covered so as to ensure that all the required works/activities have been proposed and there is no duplicity.
- (c) Cluster-wise Projects with list of beneficiaries from a village/ward or Gram Panchayat, desirous of joining the cluster will be prepared by Implementing Agency and will be put up in the Gram Sabha, wherever it is functional, for approval and inclusion in shelf of projects.

- (d) Local Unit of Department of Sericulture will communicate to Gram Panchayats (GPs) the plantation development plan approved by the Department of Sericulture, in consultation with CSB for their respective GPs. The plan will include the cluster with the name of beneficiaries. The GPs, following approval of the Gram Sabhas, will finalize the clusters with the list of individual beneficiaries within the given numbers and will also include this as a part of approved shelf of projects under MGNREGA.
- (e) Administrative sanction/Financial sanction (AS/FS) for works of sericulture plantation development under MGNREGA approved by Gram Sabha will be issued cluster-wise by the DPC, MGNREGA and for CDP support in plantation and onward integration for cocoon production through the state sericulture department concerned.
- (f) A typical exercise on the break-up of the particulars/activities is at Annexure -IIA to VI.

### 7.2. Estimates:

- (a) After the cluster-wise Projects are given Administrative Sanction and Financial Sanction (AS/FS), the Technical Assistant/Engineer concerned of the Panchayat/Line department (State Sericulture Department) will prepare estimates of the works as per the design/specification of Central Silk Board and MGNREGA wage rates/ SoR prevailing in the area.
- (b) Technical Sanction (TS) will be issued by the concerned official as per norms/power delegated for MGNREGA works.

### 7.3. Execution:

- (a) On receipt of a request from cluster/SHG/CBO/Society/District Officer, Sericulture Department through the GP, the PO will issue muster rolls.
- (b) Every cluster (preferably within the GP) will be treated as independent work, and muster roll issued accordingly.
- (c) The format for these musters may be modified so as to manage this work efficiently. However, minimum features as prescribed in the Schedules of MGNREGA will need to be incorporated.
- (d) An Extension Assistant may be deployed for every cluster proposed to be taken up in a Gram Panchayat as a mate. The designated mate will be responsible for the following:
  - Maintain muster roll for the cluster in the GP assigned to him/her.
  - Record attendance of unskilled labour.
  - Ensure that the activities carried out are as per the design specified by the Central Silk Board and will certify to that effect.

- iv. Upon completion of the weekly work in the cluster, the mate will sign the muster roll for attendance and for the quantity of work done and hand it over to the Junior Engineer/Technical Assistant for further processing.
- v. The measurement of the work will be made weekly by the concerned Technical Assistant/Junior Engineer as per the norms under MGNREGA. The entries of measurement with assessment of work will be entered in measurement book as well in the muster roll.
- vi. Check measurements will be done by the Sericulture Extension Officers. The Assistant Directors of Sericulture will also undertake random sample checking.

### 8. ROLE OF DIFFERENT AGENCIES

- 8.1. Role of Central Silk Board: Being the Nodal Agency for sericulture promotion, CSB shall extend required technical support through technologies/package of practices evolved by its research institutes and for project implementation, deciding the clusters and modifications/mid-term corrections. CSB shall also ensure building the onward linkages for effective utilization of these plantations under MGNREGS for cocoon production so as to enhance income of the farmers by extending relevant CDP schemes through the state sericulture departments concerned till cocoon production.
- 8.2. State Sericulture Department (DOS): DOS through its District Offices will identify the suitable land and the cluster of beneficiaries, who are eligible under MGNREGA for work on their private land, after assessing the technical feasibility. Besides, DOS shall actively involve in beneficiary identification wherever necessary, training of stake holders, extension support, joint verification, wherever possible. The job card holders will be trained in plantation related activities to familiarize with the works besides taking the opinion leaders to the areas where best practices are adopted. Moreover, holding of the cluster together under SHG will be facilitated and technical perfection of the works will be monitored. The plantations covered under this convergence also will be brought under the approved plan schemes of CDP and allowable financial support for onward integration for cocoon production and free technical support will be given to the beneficiaries. DOS shall arrange for engaging the required number of para extension workers at grass root and cluster level, in view of the number of families to be covered, terrain and coverage of the project area, issues pertaining to land procurement, pre-requisites to take up soil treatments/ plantation and creation of infrastructure activities under the Project, so that envisaged project objectives and output can be achieved.
- 8.3 Field Implementing Agency (FIA): Gram Panchayat will be the implementing agency. Implementing agency will maintain all the records and effect payment. The requirement of additional labour by the beneficiary groups will also be met by diverting the same workers, on completion of their annually allotted 100 days' job. This will enable additional employment and income generation to job card holders.

### 9. NON-NEGOTIABLE IN WORK EXECUTION

- 9.1 Only job card holders 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 plantation.
- 9.2 Muster Rolls will be maintained on the worksite by the implementing agency concerned with copies in the Gram Panchayat.
- 9.3 Wage payments will be done only through banks/post office accounts unless exempted by MoRD.
- 9.4 No contractor and labour displacement machine will be deployed.
- 9.5 The cost of material component of projects including the wages of the mate, skilled and semi-skilled workers under the scheme shall not exceed forty percent of the total project cost.
- 9.6 Record of employment generated under convergence will be maintained separately.
- 9.7 The lands of SC/ST/BPL will be taken on priority under the project. Once works on lands of SC/ST/BPL are saturated in a GP, works on land of small farmer/ marginal farmer may be considered in accordance with Para 2.i) of Ministry of Rural Development circular No.11060/3/2009-NREGA, dated 1<sup>st</sup> September 2009.
- 9.8 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
- 9.9 Each GP will maintain a complete list of all clusters with member beneficiaries with their job card number and activities related to plantation development carried out by the clusters under MGNREGA or otherwise. In the asset register, the break-up of the assistance/subsidy utilized from CDP/other sources, beneficiary's own contribution, and the expenditure from MGNREGA will be shown separately.

# 10. EXPENDITURE TO BE INCURRED FROM MGNREGS AND SCHEMES OF CDP

### From MGNREGS:

10.1 As there is no cost norms under MGNREGA for sericulture plantation activities, cost norms proposed by the Central Silk Board will be followed. The implementing agency will use funds from MGNREGA as detailed in the typical exercise at Annexure -IIA to VI (however, it will vary place to place as per local specific MGNREGS wage rates/SoR) for developing a unit of plantation.

- a. Funds from MGNREGA to an individual beneficiary of a cluster will be restricted upto 1.00 ha in case of tasar and 1 acre in case of mulberry, muga and eri sectors.
- b. The cost incurred in providing mate will be booked under material component as per the provision of the MGNREGA and will be apportioned to the individual units under the activity, accordingly at GP level.
- c. It will be ensured that the total material costs including wages of the mate of all works in a Gram Panchayat, in a financial year does not exceed 40%.
- 10.2 The payment of unskilled labour/mate worked under MGNREGA will be made only after measurement is taken, assessment of work made with respect to estimate/task duly entered in Muster Roll and Measurement Book by the Technical Assistant/Junior Engineer and checked by the Sericulture Extension Officer/ Assistant Director of Sericulture.
- 10.3. The Project Director, MGNREGA will generate the payment order and will ensure payment to the beneficiaries within fifteen days

### From CDP:

10.4 Remaining activities as stated in the typical exercise at Annexure - IIA to VI and to be carried out for cocoon production would be met from the Central Silk Board under CDP assistance beneficiary own contribution or from other sources mobilized by the State Sericulture Departments concerned.

### 11. MONITORING & REPORTING

- 11.1 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 the category IV works and should be entered accordingly
- 11.2 While filling up details of the work in "Work Module", it should be ensured that all the details are filled correctly. Care need to be taken to mention area in specified unit dimension (acre/hectare). In addition, all details in respect of convergence such as (a) scheme other than MGNREGS from which funds are being utilized and (b) the amount
- 11.3 For the amount spent from MGNREGA, the accounts will be maintained in the formats, currently being used for works done under MGNREGA.
- 11.4 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. Formats for these fields will be worked out jointly by CSB and MoRD and communicated to the field functionaries.
- 11.5 As huge sums are being invested on these works, it is necessary that the progress is jointly monitored by the Officials of CSB, DOS of State Govt., DPC and PO. Departments of Sericulture of the State Govt. will designate Nodal Officers for this purpose.

### 12. GENERAL GUIDELINES

- 12.1. Farmers who have developed silkworm host plants under MGNREGS will get support under CDP for all forward activities relating to silk production. CDP support for silkworm rearing will be provided to those farmers having plantation at bearing stage, as per CDP norms. The State Sericulture Departments will ensure to provide other support under CDP to the farmers who have raised plantation under MGNREGA.
- 12.2. The plantation will be developed as per the space and system of plantation suggested under CDP. Only improved host plant varieties recommended by CSB/State Sericulture Departments will be utilized for new plantation
- 12.3. The planting and other materials will be procured by the beneficiary as per the rate fixed by CSB/DOS from the nurseries/farms/seri-input centres in coordination with the State Sericulture Departments. The Field Officers of the Department of Sericulture will ensure supply of good quality planting material from the identified Kissan Nurseries, Sericulture farms.

### COVERAGE

To begin with silkworm host plantation development will be undertaken in selected clusters in the following states:

SI. No.	Sector	States
1	Mulberry Bush Plantation	Karnataka, Andhra Pradesh, Tamilnadu, Kerala, West Bengal, Maharashtra, Madhya Pradesh, Uttar Pradesh, Orissa, Bihar, Assam, Tripura, Mizoram and Manipur
2	Mulberry Tree Plantation	J&K, Himachal Pradesh, Uttarakhand,
3	Tropical Tasar Plantation	Jharkhand, Bihar, Chhattisgarh, Madhya Pradesh, Orissa, West Bengal, Uttar Pradesh, Maharashtra, Andhra Pradesh,
4	Temperate Tasar Plantation	Manipur, Mizoram, J&K, Uttarakhand, Himachal Pradesh
5	Eri Plantation	Assam, Nagaland, Manipur, Arunachal Pradesh, Meghalaya
6	Muga Plantation	Assam, Meghalaya, Nagaland, Mizoram, West Bengal

Based on the feed back the scheme will be scaled up in coming years.

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Annexure - I

Convergence Modalities of MGNREGS and CDP Schemes of Ministry of Textiles

SI. No.	Content	MGNREGS	Schemes under Catalytic Development Programme
Α	В	С	D
1	Objective	i) To enhance livelihood security in rural areas by providing at least 100 days of guaranteed wage employment in a financial year to every household whose adult members volunteer to do unskilled manual work ii) Creation of durable assets and strengthening the livelihood resource base of the rural poor	Enhance and improve seed infrastructure for quality seed augmentation, 2) To support conversion facilities, provide market linkages for better value realization & generic promotion and 3) To improve income generation and social security of sericulture farmers
2	Funding/ subsidy	i)100% on unskilled labour and ii) 75% of the cost of material and wages for skilled and semi-skilled workers	Rationalization in funding pattern to get matching share (not less than 25% as recommended by the Chaturvedi Committee) of the participating states for better physical coverage to achieve the target set for XII Plan. However, in respect of Special Status States the status quo (higher central share) will be maintained wherein the state share is retained at 10%.
3	Unit cost/cost norms	Nil	Unit costs vary with the activity, sector and zone depending on seed, cocoon and post- cocoon sectors.
4	Area coverage	Entire country	Karnataka, Andhra Pradesh, Tamilnadu, Kerala, Maharashtra, Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Punjab, Uttar Pradesh, Madhya Pradesh, Chhattisgarh, Rajasthan, West Bengal, Bihar, Jharkhand, Orissa, Assam (Including BTC & other Autonomous Councils), Arunachal Pradesh, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim & Tripura
5	Institutional framework	I) Central Employment Gurantee Council, ii) State Employment Guarantee Council, iii) District Panchayat, iv) Intermediate Panchayat and v) Village Panchayat, Gramsabha	(i) Apex Monitoring Committee (CSB Secretariat level) (ii) Zonal Committee (Zonal level) (iii) Project Monitoring Committee (State level)
6	Convergence	Convergence of NREGA funds, with funds from other sources for the creation of durable assets is permissible	CDP schemes for forward integration till cocoon production are available. Besides, support extended under CDP schemes during the earlier Plan periods can also be linked for better income augmentation.

Annexure - II A

COST NORMS FOR DEVELOPMENT OF MULBERRY BUSH PLANTATION AND MAINTENANCE RELATED ACTIVITIES (1 ACRE) CONVERGENCE OF MGNREGS UNDER MORD AND CDP SCHEMES OF CENTRAL SILK BOARD, MINISTRY OF TEXTILES

			Otv (Vol of	SoR for the cluster/Wage	Labour component (Unskilled)	illed)	Ма	Material component	Total	Sourc	Source of fund (F
#	Particulars / Activities	Units	work)/ No.	149 Task	No. of mandays / Qty	Amount (Rs.)	No.	Amount (Rs.)	amount (Rs.)	MGNREGS	CSB
(1)	(2)	(3)	(4)	(2)	(9)	(2)	(8)	(10)	(11)	(12)	(13)
A.	Labour Component										
<b>Y-</b>	Land preparation	m2	4000	250	16	2384			2384	2384	0
2	FYM application (2 times a year)	kg	8000	1000	8	1192			1192	1192	0
3	Making ridges & furrows (3 times a year)	m2	12000	133	06	13410			13410	13410	0
4	Planting of saplings	No.	5445	272	20	2980			2980	2980	0
5	Digging and weeding (4 times a year)	m2	16000	200	80	11920			11920	8940	0
9	Ploughing for interculural operations (2 times a year)	m2	8000	800	10	1490			1490	1490	0
7	Irrigation (40 times a year)	m2	160000	4000	40	5960			2960	2960	0
8	Fertilizer application (3 times a year)	m2	12000	299	18	2682			2682	2682	0
	Sub-total					42018			42018	39038	0
В.	Material Cost										
_	Farm Yard Manure @ Re.0.80 per kg	kg					8000	6400	6400	3200	1600
2	Mulberry saplings @ Rs.1.50 per sapling	No.					0009	0006	0006	4500	2250
3	Tools/appliances	unsdun						1400	1400	0	0
4	Bio-fertilizer	nmsdwn						3730	3730	3730	0
	Sub-total							20530	20530	11430	3850
	Total				282	42018		20530	62548	50468	3850
	% OF LABOUR AND MATERIAL COMPONENTS	ENTS				67.18		32.82			

2980

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Contd./

1600 2250 1400

=	MAINTENANCE OF PLANTATION (Per acre/year) FOR 2ND	re/year) I		AND 3RD YEAR						Ann	II - exnxe	Annexure - II A Contd
,		200		SoR for the cluster/Wage	Labour component (Unskilled)	mponent illed)	Ma	Material component	Total	Sourc	Source of fund (Rs.)	Rs.)
#	Particulars / Activities	Units	work)/ No.	149	No. of mandays /	Amount (Rs.)	No.	Amount amount (Rs.) (Rs.)	amount (Rs.)			
				Task	aty					MGNREGS	CSB	Benef.
£	(2)	(3)	(4)	(5)	(9)	(2)	(8)	(10)	(11)	(12)	(13)	(14)
Ą.	. Labour Component											
-	FYM application (2 times a year)	kg	8000	1000	8	1192			1192	1192	0	0
2	Ploughing in alternate crops (5 crops/year)	m2	10000	833	12	1788			1788	1788	0	0
60	Making ridges and furrows in alternate crops (5 crops/year)	m2	10000	133	75	11175			11175	11175	0	0
4	Digging and weeding in alternate crops (5 crops/year)	m2	10000	400	25	3725			3725	2794	0	931
2	Application of fertilizers (5 crops a year)	m2	20000	299	30	4470			4470	4470	0	0
9	Irrigation (40 times a year)	m2	160000	4000	40	2960	10-7		2960	2960	0	0
7	Pruning & dressing of the plants (5 times a year)	m2	20000	2000	10	1490			1490	1490	0	0
	Sub-total				200	29800			29800	28868.75	0	931.25
Β.												
~	Farm Yard Manure @ Re.0.80 per kg	kg					8000	6400	6400	3200	1600	1600
2	Bio-fertilizer	Inmpsum						12200	12200	12200	0	0
က	Tools/appliances	mnsdun						2000	2000	0	0	2000
	Sub-total							20600	20600	15400	1600	3600
	Total (A+B)					29800		20600	50400	44269	1600	4531
g_	% OF LABOUR AND MATERIAL COMPONENTS	ENTS				59.13		40.87				
Ļ,	Total for 2 years					29600		41200	100800	88538	3200	9063
	GRAND TOTAL (I +II)	3	- No CO.			101618	0	61730	163348	139005.5	7050	17292.5
,	Source of wage rates used for estimation: Wage rate under MGNREGS, Andhra Pradesh - 2013	Vage rate	under MGNF	REGS, Andhra		62.21		37.79	%share	85.10	4.32	10.59

Note: Quantity/number of various inputs and task norms worked out based on mandays requirement indicated at column nos. (4) & (5) are as per CSB norms

M-42230 (30%), L-96776 (70%) 85.10 % 4.32 % 10.59 % 139006 7050 17293 163348 Beneficiary Contibution Total Central Silk Board MGNREGS

Annexure - II B

COST NORMS FOR DEVELOPMENT OF MULBERRY TREE PLANTATION AND MAINTENANCE RELATED ACTIVITIES (1 ACRE) CONVERGENCE OF MGNREGS UNDER MORD AND CDP SCHEMES OF CENTRAL SILK BOARD, MINISTRY OF TEXTILES

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#	Particulars / Activities	Units	Qty. (Vol of work)/	SoR for the cluster/ Wage	Labour component (Unskilled)	mponent illed)	Con	Material component	Total	24	Source of fund (KS.)	(3)
8			Number	145 Task	No. of mandays / Qty	Amount (Rs.)	S.	Amount (Rs.)	(Rs.)	MGNREGS	CSB	Benef.
ε	(2)	(3)	(4)	(5)	(9)	(7)	(8)	(6)	(10)	(11)	(12)	(13)
A.	Labour Component					10						
_	Land preparation	m2	4000	250	16	2320			2320	2320	0	0
2	Pit digging (1.5 ft x 1.5 ft x 1.5 ft - 3.375 cft) - 600 Nos.	m3	56.7	5	12	1740			1740	1740	0	0
3	Planting of saplings	Nos.	009	55	11	1595			1595	1595	0	0
4	Fertilizer application (3 times a year)	Nos.	24000	1333	18	2610			2610	2610	0	0
7	Irrigation 24 times (12 times/year)	m2	00096	2000	48	0969			0969	0969	0	0
80	Maintenance (Pruning/digging/weeding etc.) [4 operations a year]	m2	16000	38	424	61480			61480	46110	0	15370
	Sub-total				529	76705			76705	61335	0	15370
B.	Material Cost											
-	Farm Yard Manure @ Rs.1000 per MT	TM					80	8000	8000	4000	2000	2000
2	Mulberry Saplings @Rs.10 per sapling	Nos.					009	0009	0009	3000	1500	1500
3	Tools/appliances	Inmpsum						1400	1400	0	0	1400
4	Bio-fertilizer	Iumpsum						2970	2970	2970	0	0
	Sub-total							18370	18370	9970	3500	4900
	Total					76705		18370	95075	71305	3500	20270
	% OF LABOUR AND MATERIAL COMPONENTS	ENTS				80.68		19.32				

source of wage Kales used: Jammu & Kashmir 2013

Annexure - II B Contd...

II. MAINTENANCE OF TREE PLANTATION (Per acre/year) FOR 3rd and 4th YEAR

*	Particulars / Activities	Units	Qty. (Vol of work)/	SoR for the cluster/ Wage	Labour component (Unskilled)	mponent illed)	M	Material	Total Amount			ŝ
			Number	145	No. of mandays /	Amount (Rs.)	O	Amount (Rs.)	(Rs.)	000		
(4)	(3)	/3/	(4)	(5)	(6)	(7)	18/	(0)	(40)	MGNKEGS (44)	(42)	/43)
	(2)	(2)	(F)	(0)	(2)		2	(6)	(01)	(1.1)	(7)	(61)
ď	Labour Component											
v	FYM application (2 times a year)	kg.	8000	1000	8	1160			1160	1160	0	0
2	Ploughing in alternate crops (5 crops / year)	m2	10000	833	12	1740			1740	1740	0	0
က	Maintenance (Pruning/digging/weeding etc) [4 operations a year]	m2	16000	160	100	14500			14500	10875	0	3625
2	Application of fertilizers (3 operations a year)	m2	12000	2000	9	870			870	870	0	0
9	Irrigation (12 times a year)	m2	48000	1000	48	0969			0969	0969	0	0
	Sub-total				174	25230			25230	21605	0	3625
В,	Material Cost											
-	Farm Yard Mannure @ Rs.1000 per MT	TM					ω	8000	8000	4000	2000	2000
2	Bio fertiliser	Iumpsum	72.					2000	2000	2000	0	0
8	Tools/ appliances	Iumpsum						2000	2000	0	0	2000
	Sub-total							15000	15000	9000	2000	4000
	Total (A+B)					25230		15000	40230	30605	2000	7625
	% OF LABOUR AND MATERIAL COMPONENTS	VENTS				62.71		37.29				
	Total for 2 years		3			50460		30000	80460	61210	4000	15250
	GRAND TOTAL (I +II)					127165	0	48370	175535	132515	7500	35520
	Source of wage rates used for estimation: Wage rate under MGNREGS, J & K - 2013	Wage rate	under MGNR	EGS, J & K		72.44		27.56	%share	75.49	4.27	20.24

Quantity/number of various inputs and task norms worked out based on mandays requirement indicated at column nos. (4) & (5) are as per CSB norms Note:

M-27970 (27%), L-104545 (79%) 75.49 % 4.27 % 20.24 % 132515 7500 35520 **Beneficiary Contibution** Central Silk Board MGNREGS Total

COST NORMS FOR DEVELOPMENT OF TROPICAL TASAR HOST PLANTATION AND MAINTENANCE RELATED ACTIVITIES (1 ha.) CONVERGENCE OF MGNREGS UNDER MORD AND CDP SCHEMES OF CENTRAL SILK BOARD, MINISTRY OF TEXTILES

Annexure - III

I. DEVELOPMENT OF TASAR HOST PLANTATION

th.		į	Qty. (Vol	SoR for the cluster/ Wage	Labour component (Unskilled)	mponent iled)	Material component	mponent	Total	Source	Source of fund (Rs.)	s:
-	Particulars / Activities	Units	of work)/ Number	Task 149	No. of mandays / Qty	Amount (Rs.)	No.	Amount (Rs.)	(Rs.)	MGNREGS	CSB	Benef.
3	(2)	(3)	(4)	(5)	(9)	(2)	(8)	(6)	(10)	(11)	(12)	(13)
A.	Labour Component											
	Land clearing	m2	10000	250	40	2960		coo	5960	5960	0	0
2 8	Soil conservation											
	a. Staggered trench (2ft x 1.5ft x 1ft = 3cft)-300 nos. of 6ft length	m3	151.2	1.7	89	13252			13252	13252	0	0
Q	b. Cattle proof trench (5ft x3ft x3 ft = 45cft)-250ft	m3	315	1.48	213	31713			31713	31713	0	0
3 P	Pit digging (1.5ftx1.5ft x 1ft = 2.25 cft) - 1852 no.	m3	117	1.35	86	12878		200	12878	12878	0	0
	Transplantation	No.	1852	33	56	8344			8344	8344	0	0
Г	Watering of plants	No.	1852	100	19	2759			2759	2759	0	0
9 9	Basin formation and weeding	No.	1852	20	37	5519			5519	4139	0	1380
	Anti-termite/ anti-fungal biocontrol treatment	No.	1852	200	6	1380			1380	1380	0	0
	Cultivation of bund crop	m2	7500	200	15	1500			1500	1125	0	375
9 A	Application of FYM/compost	No.	1852	200	6	1380			1380	1380	0	0
	Sub-total				573	84685			84685	82930	0	1755
B. N	Material Cost											
	Cost of Asan and Arjuna seedlings including 10% mortality @ Rs 3/-	No.					2,037	6111	6111	3056	1528	1528
2 0	Cost of vermi-compost @ 400 gm/plant@ Rs.5/- per ka	kg.					741	3704	3704	1852	926	926
e σ	Anti-termite biocontrol treatment	lumpsum						200	200	250	125	125
4	Transportation	mnsdunt						750	750	750	0	0
5	Cost of farm implements	Inmpsum						2500	2500	0	0	2500
9	Seed material for intercropping/bund crop	Inmpsum						1000	1000	750	0	250
7 F	Farm yarn manure/ compost @ Rs.8/- per cft	ਚ			0,		370	2963	2963	1482	741	741
0)	Sub-total							14565	17528.2	8139	3320	0209
	Total			110		84685		14565	102212.77	91069	3320	7824
94	% OF LABOUR AND MATERIAL COMPONENTS					82.85		14.25			10.	

Source of Wage Rate: Andhra Pradesh 2013

Contd./

#				200	ALCO					An	Annexure - III Contd	Contd
#			Qty. (Vol	SoR for the cluster/ Wage	Labour component (Unskilled)	omponent illed)	Material component	omponent	Total	Source	Source of fund (Rs.)	(s.)
	Particulars / Activities	Onits	or work)/ Number	Task	No. of mandays /	Amount (Rs.)	No.	Amount (Rs.)	(Rs.)			
				149	aty					MGNREGS	CSB	Benef.
(1)	(2)	(3)	(4)	(2)	(9)	(2)	(8)	(6)	(10)	(11)	(12)	(13)
A.	Labour Component			7								
-	Anti-termite/ anti-fungal bioconrol treatment	No.	1852	200	6	1380			1380	1380	0	0
2	Spraying of neem based insecticide & leaf surface microbes	No.	1852	150	12	1840			1840	1840	0	0
3	Application of vermi-compost & manure	No.	1852	150	12				1840	1840	0	0
4	Basin formation and weeding	No.	1852	20	37	5519			5518.96	4139	0	1380
	Sub-total				71	10578			10578	9198	0	1380
B.	Material Cost											
_	Cost of vermi-compost @ 400 gm/ plant	kg.					741	3704	3704	3704	0	0
2	Anti-termite/ anti-fungal biocontrol treatment	Inmpsum						500	200	250	250	0
60	Cost of neem based insecticide & Leaf Surface microbes	Iumpsum						900	009	300	300	0
4	Cost of farm yard manure/compost @ Rs.8/- per cft	t)					370.4	2963	2963	1482	741	741
	Sub-total			V				1767	1911	5736	1291	741
	Total					10578		7767	18345.207	14934	1291	2121
-	% OF LABOUR AND MATERIAL COMPONENTS					57.66		42.34				
	Total for 3 years					31734		23301.6	55035.62	44802	3872	6362
	GRAND TOTAL				786	116419		37866.6	157248.39	135871	7192	14183
	Source of wage rates used for estimation: Wage rate under MGNREGS, Andhra Pradesh - 2013	MGNREGS	, Andhra Pri	adesh - 2013		74.03		24.08	%share	86.41	4.57	9.05

Note: 1. Quantity/number of various inputs and task norms worked out based on mandays requirement indicated at column nos. (4) & (5) are as per CSB norms 2. Vary depending on the total extent covered under the cluster, SOR for various activities in different states, soil type, soil gradient etc.

3. Soil is considered as hard soil for the purpose of pit digging. Spacing-10'x6' (1852 plants/ha).

Cattleproof trench is provided for an extent of 10 ha of plantation at each place, which may vary depending on the shape of the land.

5. Maintenance of plantation is provided for three years i.e., till it becomes productive for silkworm rearing. Later the farmers will maintain the plantations themselves.

M-25347 (19%), L-110524 (81%) 4.57 % 9.02 % 86.41 % 14186 7192 135871 **Beneficiary Contibution** Central Silk Board MGNREGS

# COST NORMS FOR DEVELOPMENT OF TEMPERATE TASAR HOST PLANTATION AND MAINTENANCE RELATED ACTIVITIES CONVERGENCE OF MGNREGS UNDER MORD AND CDP SCHEMES OF CENTRAL SILK BOARD, MINISTRY OF TEXTILES

1. DEVELOPMENT OF OAK TASAR ( Quercus serrata) HOST PLANTATION (Unit= 1 Hectare)

Task   No. of Amount   No.   Amount Amount   Macount				Oly (Vol of	SoR for the cluster/Wage	Labour c (Uns	Labour component (Unskilled)	Mat	Material	Total	Sour	Source of fund (Rs.)	Rs.)
Labour Component         (2)         (4)         (5)         (6)         (7)         (8)         (10)           Labour Component         Land cleaning         m2         10000         250         40         6120         6120           Land cleaning         Soli conservation         m2         10000         250         40         6120         6120           Soli conservation         a. Staggered trench (2 ft x 1.5 ft x 1 ft = 2 cft) of 6°         m3         151.2         1.7         89         13608         13608           B. Cattle Proof trench (2 ft x 3 ft x 4	#	Particulars / Activities	Units	work)/ Number	Task 153	No. of man days /	Amount (Rs.)	No.	Amount (Rs.)	Amount (Rs.)			
Labour Component         (2)         (3)         (4)         (10)	1		101			ń,	į		100	1011	MIGNATEGO	000	Dellei.
Labour Component         m2         10000         250         40         6120         6120           Land dealing         Land dealing         Land dealing         10000         250         40         6120         6120           Soli conservation         a Staggered trench (2 ft x 1.5 ft x 1 ft = 2 cft) - 250 ft         m3         151.2         1.7         89         13608         13608           De Cattle Proof trench (5 ft x 3 ft x 3 ft = 45 cft) - 250 ft         m3         315         1.48         213         32564         32564           Production of proof trench (5 ft x 1 ft = 1 cft) - 3090 no.         m3         87         1.35         64         9806         4728           Production of proof trench (5 ft x 3 ft x 3 ft = 45 cft) - 250 ft         m3         3090         74         42         6426         426           From dealing in control treatment         No.         3090         70         15         2364         7284           Anti-termited-anti-fungal bio-control treatment         No.         3090         50         15         3364         1500           Sub-total         Anti-termited-anti-fungal bio-control treatment         No.         3090         50         15         3364         10197           Cost of vermi-compost (9 And vermine more	£	(2)	(3)	(4)	(2)	(9)	3	(8)	(6)	(10)	(11)	(12)	(13)
Land clearing   m2   10000   250   40   6120   61	ď	Labour Component		=5									
Soli conservation         As Soli conservation         1512         1.7         89         13608         13608           a Staggered brench (2 ft x.1 ft x.1 ft x.1 ft x.2 ft x.3 f	-	Land clearing	m2	10000	250	40	6120			6120	6120	0	0
a. Staggered trench (2 ft x 1	2	Soil conservation											
b. Cattle Proof trench (5 ft x3 ft x3 ft = 45 cft) - 260 ft         m3         315         1.48         213         32564         32564         32564         32564         32564         32564         32564         32564         32564         32564         32564         32564         32564         32564         32564         3606         32564         3606         3606         371         4728 <th< td=""><td></td><td>a. Staggered trench (2 ft <math>\times</math> 1.5 ft <math>\times</math> 1 ft = 3 cft) of 6' length -300 no /ha</td><td>m3</td><td>151.2</td><td>1.7</td><td>88</td><td>13608</td><td></td><td></td><td>13608</td><td>13608</td><td>0</td><td>0</td></th<>		a. Staggered trench (2 ft $\times$ 1.5 ft $\times$ 1 ft = 3 cft) of 6' length -300 no /ha	m3	151.2	1.7	88	13608			13608	13608	0	0
Pit digging (1ft x 1 ft x 1 ft = 1 cft) - 3090 no. m3		b. Cattle Proof trench (5 ft x3 ft x3 ft = 45 cft) - 250 ft	m3	315	1.48	213	32564			32564	32564	0	0
Transplantation         No.         3090         74         42         6426         6426           Watering of plants         No.         3090         100         31         4728         4728           Application of organic fertilizers         No.         3090         200         15         2364         2364           Basin formation and weeding         No.         3090         200         15         2364         2364           Anti-termite/anti-fungal bio-control treatment         No.         3090         200         15         2364         1500           Sub-total         Material Cost         Material Cost         No.         750         560         455         88935           Material Cost         Ocast of Querra serrata seedlings including 10%         No.         No.         586         88935         10197         10197           Cost of Querra serrata seedlings including 10%         No.         No.         No.         586         88935         10197         10197           Anti-termite/ anti-fungal bio-products         Iumpsum         Kg.         1000         1000         250         250         250           Cost of farm information of seedlings         Iumpsum         cit         1000         1000	6	Pit digging (1ft x 1 ft x 1 ft = 1 cft) - 3090 no.	m3	87	1.35	64	9806			9806	9806	0	0
Watering of plants         No.         3090         100         31         4728         4728           Application of organic fertilizers         No.         3090         200         15         2364         2364           Basin formation and weeding         No.         3090         50         62         9455         9455           Anti-termite/anti-fungal bio-control treatment         No.         3090         500         15         1500         1500           Cultivation of bund crop         m2         7500         50         15         1500         1500           Sub-total         m2         7500         50         15         1500         10197           Cost of Quercus serrate seedlings including 10%         No.         No.         Rg.         88935         10197         10197           Cost of Quercus serrate seedlings including 10%         No.         Rg.         Rg.         88935         10197         10197           Cost of Quercus serrate seedlings including 10%         No.         Rg.         Rg.         10107         10107           Cost of Vermi-compost @ 400 gm/ plant (kg.)         kg.         Rg.         1236         1280         10107           Cost of farmi implementis         lumpsum         <	4	Transplantation	No.	3090	74	42	6426			6426	6426	0	0
Application of organic fertilizers         No.         3090         200         15         2364         2364         2364           Basin formation and weeding         No.         3090         50         62         9455         9455         9455           Anti-termite/anti-fungal bio-control treatment         No.         3090         200         15         1500	2	Watering of plants	No.	3090	100	31	4728			4728	4728	0	0
Basin formation and weeding         No.         3090         50         62         9455         9455         9455           Anti-termite/anti-fungal bio-control treatment         No.         3090         200         15         2364         1500         1500           Sub-total         mc/strial Cost         Sub-total         No.         No.         88935         10197         10197           Material Cost         Cost of Quersus serrata seedlings including 10%         No.         No.         88935         10197         10197           Cost of Quersus serrata seedlings including 10%         No.         No.         Rg.         No.         10197         10197           Cost of Quersus serrata seedlings including 10%         kg.         Rg.	9	Application of organic fertilizers	No.	3090	200	15	2364			2364	2364	0	0
Anti-termite/anti-fungal bio-control treatment         No.         3090         200         15         2364         2364           Cultivation of bund crop         m2         7500         500         15         1500         1500           Sub-total         Material Cost         Mo.         No.         No.         88935         10197         10197           Cost of Quercus serrata seedlings including 10%         No.         No.         No.         10197         10197           Cost of Quercus serrata seedlings including 10%         No.         No.         No.         10197         10197           Cost of Quercus serrata seedlings including 10%         No.         No.         No.         10197         10197           Anti-termite/ anti-fungal bio-products         Immpsum         Kg.         6180         6180         6180           Anti-termite/ anti-fungal bio-products         Immpsum         cft         750         750         750           Cost of farm implements         Cost of farm implements         Lass of farm implements         1000         1000           Cost of organic FYM/ Compost ( 0.20 ct// plant)         Immpsum         cft         2500         2500           Seed material for intercropping/bund crop         Immpsum         618935         <	7	Basin formation and weeding	No.	3090	20	62	9455			9455	7092	0	2364
Cultivation of bund crop         m2         7500         15         1500         1500           Sub-total         Sub-total         586         88935         10197         10197           Material Cost         Material Cost         No.         No.         Register Cost of Querial Cost of Querial Composition (Register Cost of Querial Cost of Querial Cost of Querial Cost of General Cost o	00	Anti-termite/anti-fungal bio-control treatment	No.	3090	200	15	2364			2364	2364	0	0
Sub-total         Sub-total         586         88935         88935         88935           Material Cost         Material Cost         No.         No.         10197         10197           Cost of Quercus serrata seedlings including 10% mortality @ Rs.3/-         No.         No.         10197         10197           Cost of Vermi-compost @ 400 gm/ plant (kg.)         kg.         6180         6180         6180           Anti-termite/ anti-fungal bio-products         lumpsum         500         500         500           Anti-termite/ anti-fungal bio-products         lumpsum         750         750         750           Cost of farm implements         cft         4944         4944         4944           Cost of farm implements         cft         4944         4944         4944           Seed material for intercropping/bund crop         lumpsum         cft         4944         4944           Sub-total         Total         Total         26071         115006           LABOUR AND MATERIAL COMPONENTS         %         77.33         22.677         115006	6	Cultivation of bund crop	m2	7500	200	15	1500			1500	1125	0	375
Material Cost         No.         No.         No.         10197         <		Sub-total	3	0.5		586	88935			88935	86196	0	2739
Cost of Quercus serrata seedlings including 10% mortality @ Rs.3/-         No.         No.         No.         No.         10197	8	Material Cost				11							
Cost of vermi-compost @ 400 gm/ plant (kg.)         kg.         1236         6180         6180         6180         6180         6180         6180         6180         6180         6180         6180         600         500 <t< td=""><td>-</td><td>Cost of Quercus serrata seedlings including 10% mortality @ Rs.3/-</td><td>Ñ.</td><td></td><td></td><td></td><td></td><td>3,399</td><td>10197</td><td>10197</td><td>5099</td><td>2549</td><td>2549</td></t<>	-	Cost of Quercus serrata seedlings including 10% mortality @ Rs.3/-	Ñ.					3,399	10197	10197	5099	2549	2549
Anti-termite/ anti-fungal bio-products         Iumpsum         500         500         500         500         500         500         500         500         500         500         500         500         750	2	Cost of vermi-compost @ 400 gm/ plant (kg.)	kg.	(6)			0.0	1236	6180	6180	3090	1545	1545
Transportation of seedlings         Iumpsum         750	3	Anti-termite/ anti-fungal bio-products	Iumpsum	- 0					500	200	250	125	125
Cost of farm implements         LABOUR AND MATERIAL COMPONENTS         Iumpsum         Labour         Labour         618         4944	4	Transportation of seedlings	Iumpsum						750	750	750	0	0
Cost of organic FYM/ Compost ( 0.20 ct/r plant)         cft         4944         4	2	Cost of farm implements	Iumpsum						2500	2500	0	0	2500
Seed material for intercropping/bund crop         lumpsum         1000         100	9	Cost of organic FYM/ Compost ( 0.20 cft/ plant)	cft					618	4944	4944	2472	1236	1236
77.33 % 22.67 115006 TS % 77.33 22.67 115006 TS %	7	Seed material for intercropping/bund crop	Iumpsum				- 1		1000	1000	750	0	250
%     77.33     22.67     115006		Sub-total							26071	26071	12410.5	5455.25	8205.25
% 77.33		Total					88935		26071	115006	98606	5455	10944
		LABOUR AND MATERIAL COMPONENTS	%				77.33		22.67		450		

\* Source of Wage Rates used: Manipur 2013

Cluster/Wage		II. MAINTENANCE OF OAK TASAR HOST PLANTATION (Per ha/year) - F	TION (Per ha	Jyear) - FOR	OR THREE YEARS								
Particulars / Activities   Units work/					SoR for the cluster/Wage	Labour co	omponent killed)	Mat	Material	Total	Sour	Source of fund (Rs.)	Rs.)
153   days / Otty     Labour Component	41		Units		Task	No. of man	Amount (Rs.)	No.	Amount (Rs.)	Amount (Rs.)	3000		
Labour Component         (3)         (4)         (5)         (7)           Labour Component         Anti-termite/ anti-fungal bio-control treatment         No.         3090         200         15         2364           Application of vermi-compost & organic fertilisers         No.         3090         40         77         11819           Basin formation and weeding (2 times)         No.         3090         40         77         11819           Sub-total         Kg.         3090         40         77         11819           Anti-termite/ anti-fungal bio-products         kg.         3090         77         11819           Anti-termite/ anti-fungal bio-products         kg.         3090         77         11819           Cost of organic FYM/Compost ( 0.20 cft/ plant)         cft         77         17335           LABOUR AND MATERIAL COMPONENTS         %         58.84           Total for 3 years         52005           GRAND TOTAL         926         140939					153	days / Qty					MGNREGS	CSB	Benef.
Labour Component         No.         3090         200         15         2364           Anti-termite/ anti-fungal bio-control treatment         No.         3090         20         15         2364           Application of vermi-compost & organic fertilisers         No.         3090         40         77         11819           Sub-total         No.         3090         40         77         11819           Material cost         Cost of vermi-compost @ 400 gm/ plant         kg.         3090         77         11819           Anti-termite/ anti-fungal bio-products         lumpsum         cft         77         17335           Cost of organic FYM/Compost ( 0.20 cft/ plant )         cft         77         17335           Aub-total         Total         78.84         58.84           I Cost of organic FYM/Compost ( 0.20 cft/ plant )         cft         78.84           ABOUR AND MATERIAL COMPONENTS         %         52.005           GRAND TOTAL         926         140939	5		(3)	(4)	(5)	(9)	(2)	(8)	(6)	(10)	(11)	(12)	(13)
Anti-termite/ anti-fungal bio-control treatment         No.         3090         200         15         2364           Application of vermi-compost & organic fertilisers         No.         3090         40         77         11819           Basin formation and weeding (2 times)         No.         3090         40         77         11819           Sub-total         No.         3090         40         77         11819           Cost of vermi-compost @ 400 gm/ plant         kg.         3090         77         11819           Anti-termite/ anti-fungal bio-products         lumpsum         cft         77         11819           Cost of organic FYM/Compost ( 0.20 cft/ plant)         cft         77         17335           Sub-total         Total         77         17335           LABOUR AND MATERIAL COMPONENTS         %         52005           GRAND TOTAL         926         140939	A				2000			19000					
Application of vermi-compost & organic fertilisers         No.         3090         40         77         11819           Basin formation and weeding (2 times)         No.         3090         40         77         11819           Sub-total         Material cost         Material cost         113         1735           Cost of vermi-compost @ 400 gm/ plant         kg.         3090         77         11819           Anti-termite/ anti-fungal bio-products         lumpsum         cft         77         11819           Cost of organic FYM/Compost ( 0.20 cft/ plant)         cft         77         11819           Sub-total         Total         58.84         52.005           I Total for 3 years         GRAND TOTAL         926         140939	7	Anti-termite/ anti-fungal bio-control treatment	No.	3090	200	15	2364			2364	2364	0	0
Basin formation and weeding (2 times)         No.         3090         40         77         11819           Sub-total         Material cost         Material cost         Anni-termited and solution of the solution	2	Application of vermi-compost & organic fertilisers	No.	3090	150	21	3152			3152	3152	0	0
Sub-total         113         17335           Material cost         Material cost         3090         17335           Cost of vermi-compost @ 400 gm/ plant         kg. 3090         17335           Anti-termite/ anti-fungal bio-products         cft         17335           Cost of organic FYM/Compost ( 0.20 cft/ plant)         cft         17335           Sub-total         Total         58.84           Total for 3 years         52005           GRAND TOTAL         926         140939	60		No.	3090	40	77	11819			11819	8864	0	2955
Material cost         kg.         3090         Processor         Proce		Sub-total				113	17335			17335	14380	0	2955
Cost of vermi-compost @ 400 gm/ plant         kg.         3090         Products           Anti-termite/ anti-fungal bio-products         lumpsum         cft         17335           Cost of organic FYM/Compost ( 0.20 cft/ plant)         cft         17335           Sub-total         Total         17335           LABOUR AND MATERIAL COMPONENTS         %         52005           Total for 3 years         52005           GRAND TOTAL         926         140939	8												
Anti-termite/ anti-fungal bio-products         lumpsum         cft           Cost of organic FYM/Compost ( 0.20 cft/ plant)         cft         cft           Sub-total         Total         cft           LABOUR AND MATERIAL COMPONENTS         %         cft           Total for 3 years         grant         926         1	-	Cost of vermi-compost @ 400 gm/ plant	kg.	3090				1236	6180	6180	6180	0	0
Cost of organic FYM/Compost ( 0.20 cfl/ plant )         cft           Sub-total         Total           LABOUR AND MATERIAL COMPONENTS         %           Total for 3 years         926 1	2		unsduni						1000	1000	200	200	0
%	60	Cost of organic FYM/Compost ( 0.20 cfl/ plant)	£		0:			618	4944	4944	2472	2472	0
%		Sub-total							12124	12124	9152	2972	0
%		Total					17335		12124	29459	23532	2972	2955
926 1		LABOUR AND MATERIAL COMPONENTS	%				58.84		41.16				
926 1		Total for 3 years			(;(		52005		36372	88377	20596	8916	8864
200		GRAND TOTAL				926	140939		62443	203382	169203	14371	19809
%		LABOUR AND MATERIAL COMPONENTS	%				69.30		30.70	%share	83.19	7.07	9.74

Note: 1. Quantity/number of various inputs and task norms worked out based on mandays requirement indicated at column nos. (4) & (5) are as per CSB norms

2. Source of Wage rates used for estimation: Wage rate under MGNREGS, Manipur - 2013

3. Oty of work & SORs shall vary depending on the total extent covered under the cluster, soil type, soil gradient from state to state etc. SORs -2013 will be taken into account for implementation

4. Spacing in plantation -6'x6' (3090 plants/ha)

5. Soil is considered as hard soil for the purpose of pit digging

6. Cattleproof trench is provided on pro-rata basis for an extent of 10 ha of plantation at each place, which may vary depending on the shape of the land.

Maintenance cost will be provided for 3 years till plantations reach bearing stage for silkworm rearings.

M-39867 (23.5%), L-129336 (76.5%) 7.07 % 9.74 % 83.19 % 19809 203382 169203 14371 **Beneficiary Contibution** Central Silk Board MGNREGS

CONVERGENCE OF MGNREGS UNDER MORD AND CDP SCHEMES OF CENTRAL SILK BOARD, MINISTRY OF TEXTILES COST NORMS FOR DEVELOPMENT OF MUGA HOST PLANTATION AND MAINTENANCE RELATED ACTIVITIES

I. DEVELOPMENT OF MUGA (SOM - Persea (Machilus) bombycina) AND SOALU-Litesea polyantha) HOST PLANTATION (Unit = 1 Acre)

# Particulars / Activities   Units work)  A. Labour Component   (2)   (3)   (4)    A. Labour Component   (2)   (3)   (4)    1. Land clearing   m2   400    2. Soil conservation   a. Staggered trench (2 ft x 1.5 ft x 1 ft) = 3 cft of 6'   m3   60    I a. Staggered trench (2 ft x 1.5 ft x 1 ft) = 3 cft of 6'   m3   126    But cattle proof trench (3 ft x 3 ft x 5 ft = 45 cft)-100 ft   m3   126    But digging (1 ft x 1 ft x 1 ft = cft) - 450 no.   m3   126    But digging (1 ft x 1 ft x 1 ft = cft) - 450 no.   m0   450    Cattle proof trench (3 ft x 3 ft x 5 ft = 45 cft)-100 ft   m3   126    But digging (1 ft x 1 ft x 1 ft = cft) - 450 no.   No.   450    But digging (1 ft x 1 ft x 1 ft = cft) - 450 no.   No.   450    But digging (1 ft x 1 ft x 1 ft = cft) - 450 no.   No.   450    But digging (1 ft x 1 ft x 1 ft = cft) - 450 no.   No.   450    Cattle proof fromation and weeding   No.   450    But digging (1 ft x 1 ft x 1 ft = cft) - 450 no.   No.   450    But digging (1 ft x 1 ft x 1 ft = cft) - 450 no.   No.   450    Cattle proof fromation of weedings including 10% mortality   No.   450    Cattle from implements   No.   450    Cattle from implements   No.   450    Cattle from implements   Immpsum    Cattle from implements   Cattle from implements   Immpsum    Cattle from implements   Cattle from implements    Cattle	SoR for the cluster/ Wage	Labour component (Unskilled)	our component (Unskilled)	Mat	Material	Total	8		
Cabour Component	Task 152	No. of mandays / Qty	Amount (Rs.)	ON	Amount (Rs.)	Amount (Rs.)	MGNREGS	CSB	Benef.
Labour Component Land clearing Land clearing Soil conservation a. Staggered trench (2 ft x 1.5 ft x 1 ft) = 3 cft of 6" m3 length -120 no. /acre b. Cattle proof trench(3 ft x3 ft x 5 ft = 45 cft)-100 ft m3 Pit digging (1 ft x 1 ft x 1 ft = cft) - 450 no. m3 Transplantation Watering of plants Application of organic fertilizers Application of organic fertilizers Rob-total Material Cost Cost of Som / Soalu seedlings including 10% mortality No. @ Rs.3/- Cost of Som / Soalu seedlings including 10% mortality Transportation of seedlings Anti-termite/ anti-fungal bio-products Iumpsum Transportation of seedlings Cost of farm implements Cost of farm implements Cost of farm implements Seed Material for bund crop/ Intercrop Sub-total Total Total	(5)	(9)	(7)	(8)	(6)	(10)	(11)	(12)	(13)
Land clearing Soil conservation a. Staggered trench (2 ft x 1.5 ft x 1 ft) = 3 cft of 6° m3 length -120 no. /acre b. Cattle proof trench(3 ft x3 ft x 5 ft = 45 cft)-100 ft m3 Pit digging (1 ft x 1 ft x 1 ft x 1 ft = cft) - 450 no.  Transplantation Watering of plants Application of organic fertilizers Basin formation and weeding Anti-termite/antifungal bio-control treatment No. Cultivation of bund crop Anti-termite/antifungal bio-control treatment Cultivation of bund crop Anti-termite/antifungal bio-control treatment No. Cultivation of bund crop Anti-termite/antifungal bio-products Cost of Som / Soalu seedlings including 10% mortality Cost of vermicompost @ 400 gm/ plant (kg) Anti-termite/ anti-fungal bio-products Iumpsum Cost of farm implements Cost of farm implements Cost of organic FYM/ Compost (0.50 cft/ plant) Seed Material for bund crop/ Intercrop Sub-total Total									
Soil conservation  a. Staggered trench (2 ft x 1.5 ft x 1 ft) = 3 cft of 6° m3 length -120 no. /acre  b. Cattle proof trench(3 ft x3 ft x 5 ft = 45 cft)-100 ft  Pit digging (1 ft x 1 ft x 1 ft = cft) - 450 no.  Transplantation  Watering of plants  Application of organic fertilizers  Application of organic fertilizers  Basin formation and weeding  Anti-termite/antifungal bio-control treatment  Cultivation of bund crop  Anti-termite/antifungal bio-control treatment  Cultivation of bund crop  Anti-termite/antifungal bio-products  Cost of Som / Soalu seedlings including 10% mortality  Res. 3/-  Cost of Som / Soalu seedlings  Anti-termite/ anti-fungal bio-products  Iumpsum  Cost of farm implements  Cost of farm implements  Cost of organic FYM/ Compost (0.50 cft/ plant)  Seed Material for bund crop/ Intercrop  Sub-total  Total	250	1.6	243.2			243	243	0	0
a. Staggered trench (2 ft x 1.5 ft x 1 ft) = 3 cft of 6" length -120 no. /acre b. Cattle proof trench(3 ft x3 ft x5 ft = 45 cft)-100 ft Pit digging (1 ft x 1 ft x 1 ft = cft) - 450 no.  Transplantation Watering of plants  Application of organic fertilizers  Application of organic fertilizers  Anti-termite/antifungal bio-control treatment  Material Cost  Cost of Som / Soalu seedlings including 10% mortality  Cost of vermicompost @ 400 gm/ plant (kg)  Anti-termite/ anti-fungal bio-products  Cost of vermicompost @ 20 cft plant)  Transportation of seedlings  Cost of farm implements  Cost of farm implements  Cost of organic FYM/ Compost (0.50 cft plant)  Seed Material for bund crop/ Intercrop  Sub-total  Total									
b. Cattle proof trench(3 ft x3 ft x 5 ft = 45 cft)-100 ft m3  Pit digging (1 ft x 1 ft x 1 ft = cft) - 450 no.	1.7	36	5408			5408	5408	0	0
Pit digging (1 ft x 1 ft = cft) - 450 no.  Transplantation Watering of plants Application of organic fertilizers Basin formation and weeding Anti-termite/antifungal bio-control treatment No. Anti-termite/antifungal bio-control treatment Cultivation of bund crop  Sub-total Material Cost Cost of Som / Soalu seedlings including 10% mortality ® Rs.3/- Cost of vermicompost @ 400 gm/ plant (kg) Anti-termite/ anti-fungal bio-products Iumpsum Transportation of seedlings Cost of farm implements Cost of farm implements Cost of organic FYM/ Compost (0.50 cft/ plant) Seed Material for bund crop/ Intercrop  Sub-total  Total	1.48	85	12941			12941	12941	0	0
Transplantation Watering of plants Watering of plants Application of organic fertilizers Basin formation and weeding. Anti-termite/antifungal bio-control treatment Cultivation of bund crop  Sub-total Material Cost Cost of Som / Soalu seedlings including 10% mortality  Rs.3/- Cost of vermicompost @ 400 gm/ plant (kg) Anti-termite/ anti-fungal bio-products  Iumpsum Cost of farm implements Cost of farm implements Cost of organic FYM/ Compost (0.50 cft/ plant) Seed Material for bund crop/ Intercrop  Sub-total  Total	1.35	6	1419			1419	1419	0	0
Watering of plants Application of organic fertilizers Basin formation and weeding Anti-termite/antifungal bio-control treatment Cultivation of bund crop  Sub-total Material Cost Cost of Som / Soalu seedlings including 10% mortality @ Rs.3/- Cost of vermicompost @ 400 gm/ plant (kg) Anti-termite/ anti-fungal bio-products Cost of farm implements Cost of farm implements Cost of organic FYM/ Compost (0.50 cfl/ plant) Cost of organic FYM/ Compost (0.50 cfl/ plant) Seed Material for bund crop/ Intercrop  Sub-total  Total	75	9	912			912	912	0	0
Application of organic fertilizers Basin formation and weeding.  Anti-termite/antifungal bio-control treatment.  Cultivation of bund crop  Sub-total  Material Cost Cost of Som / Soalu seedlings including 10% mortality  @ Rs.3/- Cost of vermicompost @ 400 gm/ plant (kg) kg  Anti-termite/ anti-fungal bio-products  Iumpsum Cost of farm implements  Cost of farm implements  Cost of organic FYM/ Compost (0.50 cft/ plant)  Seed Material for bund crop/ Intercrop  Sub-total  Total	100	5	684			684	684	0	0
Basin formation and weeding  Anti-termite/antifungal bio-control treatment  Cultivation of bund crop  Sub-total  Material Cost Cost of Som / Soalu seedlings including 10% mortality  @ Rs.3/- Cost of vermicompost @ 400 gm/ plant (kg)  Anti-termite/ anti-fungal bio-products  Transportation of seedlings  Cost of farm implements  Cost of farm implements  Cost of organic FYM/ Compost (0.50 cft/ plant)  Seed Material for bund crop/ Intercrop  Sub-total  Total	200	2	342			342	342	0	0
Anti-termite/antifungal bio-control treatment No.  Cultivation of bund crop  Sub-total  Material Cost Cost of Soalu seedlings including 10% mortality  @ Rs.3/- Cost of vermicompost @ 400 gm/ plant (kg) kg  Anti-termite/ anti-fungal bio-products  Iumpsum Cost of farm implements Cost of farm implements  Cost of organic FYM/ Compost (0.50 cfl/ plant)  Seed Material for bund crop/ Intercrop  Iumpsum Cost of organic FYM/ Compost (0.50 cfl/ plant)  Seed Material for bund crop/ Intercrop  Iumpsum  Cost of organic FYM/ Compost (0.50 cfl/ plant)  Seed Material for bund crop/ Intercrop	20	6	1368			1368	1026	0	342
Sub-total  Material Cost  Cost of Som / Soalu seedlings including 10% mortality  @ Rs.3/- Cost of vermicompost @ 400 gm/ plant (kg)  Anti-termite/ anti-fungal bio-products  Transportation of seedlings  Cost of farm implements  Cost of farm implements  Cost of organic FYM/ Compost (0.50 cft/ plant)  Seed Material for bund crop/ Intercrop  Iumpsum  Cost of organic FYM/ Compost (1.50 cft/ plant)  Seed Material for bund crop/ Intercrop  Total	100	4.5	684			684	684	0	0
Material Cost  Cost of Som / Soalu seedlings including 10% mortality  Rs.3/- Cost of vermicompost @ 400 gm/ plant (kg)  Anti-termite/ anti-fungal bio-products  Transportation of seedlings  Cost of farm implements  Cost of organic FYM/ Compost (0.50 cft/ plant)  Seed Material for bund crop/ Intercrop  Total	200	9	009			009	450	0	150
Material Cost  Cost of Som / Soalu seedlings including 10% mortality  Rs.3/- Cost of vermicompost @ 400 gm/ plant (kg)  Anti-termite/ anti-fungal bio-products  Transportation of seedlings.  Cost of farm implements  Cost of farm implements  Cost of organic FYM/ Compost (0.50 cft/ plant)  Seed Material for bund crop/ Intercrop  Sub-total  Total		164	24600			24600	24108	0	492
Cost of Som / Soalu seedlings including 10% mortality  (2) Rs.3/- Cost of vermicompost (2) 400 gm/ plant (kg) Anti-termite/ anti-fungal bio-products Transportation of seedlings Cost of farm implements Cost of farm implements Cost of organic FYM/ Compost (0.50 cft/ plant) Seed Material for bund crop/ Intercrop  Sub-total  Total									
Cost of vermicompost @ 400 gm/ plant (kg) Anti-termite/ anti-fungal bio-products Transportation of seedlings Cost of farm implements Cost of organic FYM/ Compost (0.50 cft/ plant) Seed Material for bund crop/ Intercrop  Sub-total Total				200	1500	1500	750	375	375
Anti-termite/ anti-fungal bio-products  Transportation of seedlings  Cost of farm implements  Cost of organic FYM/ Compost (0.50 cft/ plant)  Seed Material for bund crop/ Intercrop  Total				180	006	006	450	225	225
Transportation of seedlings  Cost of farm implements  Cost of organic FYM/ Compost (0.50 cft/ plant)  Seed Material for bund crop/ Intercrop  Sub-total  Total					200	200	250	125	125
Cost of farm implements  Cost of organic FYM/ Compost (0.50 cft/ plant)  Seed Material for bund crop/ Intercrop  Sub-total  Total					200	200	200	0	0
Cost of organic FYM/ Compost (0.50 cft/ plant) Seed Material for bund crop/ Intercrop Sub-total Total					2500	2500	0	0	2500
Seed Material for bund crop/ Intercrop  Sub-total  Total				225	1800	1800	006	450	450
224					500	200	375	0	125
Total					8200	8200	3225	1175	3800
			24600		8200	32800	27333	1175	4292
% OF LABOUR AND MATERIAL COMPONENTS			75.00		25.00				

Source of Wage Rafes used: Assam 2013

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Annexure - V Contd...

			Po lovo vio	SoR for the cluster/ Wage	Labour co (Unsk	Labour component (Unskilled)	Ma	Material	Total	Sour	Source of fund (Rs.)	<u>.</u>
*	Particulars / Activities	Units	work)/	Task	No. of	Amount	No.	Amount	Amount			
			Number	152	man days / Qty	(Rs.)		(Rs.)	(Rs.)	MGNREGS	as S	Benef
ε	(2)	(3)	(4)	(5)	(9)	(2)	(8)	(6)	(10)	(11)	(12)	(13)
Ą	Labour Component											
-	Anti-termite/ antifungal bio-control treatment	No.	450	100	4.5	684			684	684	0	0
2	Application of organic fertilizers	No.	450	100	4.5	684			684	684	0	0
8	Basin formation and weeding (2 times)	No	450	25	18	2736			2736	2052	0	684
	Sub-total				27	4104			4104	3420	0	684
8	Material Cost											
-	Cost of vermicompost @ 400 gm/ plant	kg					180	006	006	006	0	0
2	Anti-termite/ anti-fungal treatment/ insecticides	Iumpsumi						200	200	250	250	0
ღ 21	Cost of organic FYM/Compost (0.5 cft/ plant)	kg	0				225	1800	1800	006	006	0
	Sub-total							3200	3200	2050	1150	0
	Total					4104		3200	7304	5470	1150	684
	% OF LABOUR AND MATERIAL COMPONENTS					56.19	_	43.81	30			
	Total for 3 years			02 -		12312		0096	21912	16410	3450	2022
	GRAND TOTAL				245	36912		17800	54712	43743	4625	6344
	LABOUR AND MATERIAL COMPONENTS	%				67.47		32.53	%share	79.95	8.45	11.60

Note: 1. Quantity/number of various inputs and task norms worked out based on mandays requirement indicated at column nos. (4) & (5) are as per CSB norms

Source of Wage rates used for estimation: Wage rate under MGNREGS, Assam - 2013
 Oty of work & SORs shall vary depending on the total extent covered under the cluster, soil type, soil gradient from state to state etc. SORs -2013 will be taken into account for implementation

4. Spacing in plantation -10'x10' (450 plants/ha)

5. Soil is considered as hard soil for the purpose of pit digging

6. Cattleproof trench is provided on pro-rata basis for an extent of 10 acre of plantation at each place, which may vary depending on the shape of the land

7. Maintenance cost will be provided for 3 years till plantations :	reach bearing stage t		
MGNREGS 79.95 %	43743	79.95 %	M-9375 (21.5%), L-34368 (78.5%)
Central Silk Board	4625	8.45 %	
Beneficiary Contibution	6344	11.60 %	
Total	54712		

CONVERGENCE OF MGNREGS UNDER MORD AND CDP SCHEMES OF CENTRAL SILK BOARD, MINISTRY OF TEXTILES COST NORMS FOR DEVELOPMENT OF ERI PERENNIAL HOST PLANTATION AND MAINTENANCE RELATED ACTIVITIES

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## Particulars / Activities   Units   Variety   Task   No. of   Amount   No. of   Amount   Am				Oth Wollof	SoR for the cluster/Wage	Labour co	Labour component (Unskilled)	Ma	Material	Total	Source	Source of fund (Rs.)	Rs.)
Amount	#	TALL TO		work)/ Number		No. of man days / Qty	Amount (Rs.)	No.	Amount (Rs.)	Amount (Rs.)			
Labour Component   2)   (4)   (5)   (6)   (7)   (8)   (10)   (11)   (12)   (13)   (14)   (14)   (15)   (14)   (15)   (14)   (15)   (14)   (15)   (14)   (15)   (14)   (15)   (14)   (15)   (1						93					MGNREGS	CSB	Benef.
Labour Component         260         1.6         243.2         24.3         27.3           Land cleaning         Land cleaning         1.7         36         5408         5408         5408         0           a. Staggered trench (2 ft x1 ft x1 ft x1 ft = 2 ct) of 6°         m3         126         1.48         85         12941         1         12941         0           Pict digging (1 ft x 1 ft x 1 ft x 1 ft = 1 ct) - B15450 no.         m3         126         1.48         85         12941         0         1           Pict digging (1 ft x 1 ft x 1 ft x 1 ft = 1 ct) - B15450 no.         m3         1.26         1.48         85         12941         0         1           Pict digging (1 ft x 1 ft x	(1)		(3)	(4)	(5)	(9)	(2)	(8)	(10)	(11)	(12)	(13)	(14)
Land clearing         m2         400         250         1.6         243.2         24.3         24.3         0           Soil conservation         Soil conservation         m3         60.48         1.7         36         5408         5408         0         40         0           Soil conservation         m3         126         1.48         85         12941         12941         12941         12941         10           b. Cattle proof trench (5ft x 3 ft x3	A												
Soli conservation	-		m2	400	250	1.6	243.2			243	243	0	0
a. Staggered trench (2 ft x1.5 ft x1 ft = 3 cft) of 6° m³ 60.48 1.7 36 5408 5408 6408 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2												
b. Cattle proof trench (5ft x 3 ft x 3 ft = 45 cft)-100 ft         m3         126         148         85         12941         12941         0           Pitt digging (1 ft x 1 ft x 1 ft x 1 ft = 1 cft) - B15450 no.         m3         13         135         9         1419         1419         0           Transportation         m3         13         2.07         6         925         925         0           Watering of plants         No.         450         2.07         6         84         684         0           Application of organic fertilizers         No.         450         2.00         2         342         0         0           Basin formation and weeding         No.         450         200         2         342         0         0           Application of organic fertilizers         No.         450         50         9         1368         1026         0           Application of organic weedings incl. 10% mortality @         m2         3000         50         6         60         450         0           Cost of Kesseru seedlings incl. 10% mortality @         No.         Kg         No.         764         24613         500         1500         750         250         175	a n	a. Staggered trench (2 ft x1.5 ft x1 ft = 3 cft) of 6' length -120 no. /ha	m3		1.7	36	5408			5408	5408	0	0
Pit digging (1 ft x 1		b. Cattle proof trench (5ft x 3 ft x3 ft = 45 cft)-100 ft	m3	126	1.48	85	12941			12941	12941	0	0
Transplantation         m3         13         2.07         6         925         925         925         0           Watering of plants         Watering of plants         No.         450         100         5         684         684         0         0           Application of plants         No.         450         200         2         342         342         0         0           Basin formation and weeding         No.         450         100         4.5         684         684         0         0           Anti-termite/ antifungal bio-control treatment         No.         450         100         4.5         684         684         0         0           Sub-total         Anti-termite/ antifungal bio-control treatment         No.         450         100         4.5         684         684         0         0           Sub-total         Anti-termite/ antifungal bio-control treatment         No.         450         160         4.5         684         684         0         0           Sub-total         Anti-termite/ antifungal bio-control treatment         No.         450         460         150         150         126         126         126         126         126         126	3	П	m3	13	1.35	6	1419			1419	1419	0	0
Watering of plants         No.         450         100         5         684         684         684         684         0           Application of organic fertilizers         No.         450         200         2         342         9         1368         0           Application of organic fertilizers         No.         450         500         6         684         684         684         0           Anti-termited antifulation and weeding         m2         3000         500         6         600         450         0           Cultivation of bund crop         m3         3000         500         6         600         450         0           Sub-total         Material Cost         Material Cost         Material Cost         164         24613         24613         750         150           Cost of Kesseru seediings incl.10% mortality @         No.         Ag         600         1500         1500         150         750         125           Rs.3         Cost of Kesseru seediings incl.10% mortality @         No.         Ag         800         1500         1500         125         125           Rs.3         Cost of wermi-compost @         Material Cost         Material Cost         Material Cost<	4	Г	m3	13	2.07	9	925			925	925	0	0
Application of organic fertilizers         No.         450         200         2         342         342         342         0           Bassin formation and weeding         No.         450         50         9         1368         1368         1026         0           Anti-termie/ antifungal bio-control treatment         m2         3000         500         6         604         600         450         0           Sub-total         material Cost         material Cost         material Cost         Material Cost         164         24613         24121         0           Cost of Vermi-compost @ 400 gm/ plant (kg)         kg         mo.         60         450         150         1500         450         250           Rs.3         Cost of Vermi-compost @ 400 gm/ plant (kg)         kg         mo.         60         450         500         500         500         50           Anti-termie/anti-fungal bio-products         lumpsum         cost of vermi-compost ( 0.50 cft/ plant)         kg         60         500         500         500         500         500         500         500         500         500         500         500         500         500         500         500         500         500         500	5		No.	450	100	5	684			684	684	0	0
Basin formation and weeding         No.         450         50         9         1368         1026         0           Anti-termite/ antifungal bio-control treatment         No.         450         100         4.5         684         684         684         0           Cultivation of bund crop         m2         3000         500         60         450         24613         24121         0           Sub-total Cost         bunderial Cost         m4         24613         24613         24121         0           Cost of Kasseru seedlings incl.10% mortality @         No.         m6         60         450         150         750         375           Rs.3         Cost of Kasseru seedlings incl.10% mortality @         No.         m6         750         150         750         375         125           Anti-termite/anti-tungal bio-products         lumpsum         lumpsum         110         180         900         900         450         250         125           Anti-termite/anti-termite/anti-tungal bio-products         lumpsum         CFT         10         10         2         10         250         500         500         500         500         500         500         500         500         500	9		No.	450	200	2	342			342	342	0	0
Anti-termited antifungal bio-control treatment         No.         450         100         4.5         684         684         684         0           Cultivation of bund crop         m2         3000         500         6         600         450         0         0           Sub-total         Material Cost         Material Cost         No.         764         24613         24613         24121         0         0           Cost of Kesseru seedlings incl. 10% mortality @         No.         No.         Rg         750         1500         1500         1500         150	7		No.	450	20	6	1368			1368	1026	0	342
Cultivation of bund crop         m2         3000         500         600         450         0           Sub-total         Material Cost         Material Cost         164         24613         9         24613         24121         0           Material Cost	80		No.	450	100	4.5	684			684	684	0	0
Sub-total         Material Cost         No.         164         24613         500         1500         1500         1500         1500         375         9           Cost of Kesseru seedlings incl. 10% mortality @         No.         No.         No.         No.         No.         180         1500         1500         1500         375         375           Rs.3         Cost of vermi-compost @ 400 gm/ plant (kg)         kg         No.         No.         180         900         900         450         225         125           Anti-termite/anti-fungal bio-products         lumpsum         lumpsum         Seed in the midlements         500         500         500         500         500         0         0         250         0 <td< td=""><td>6</td><td></td><td>m2</td><td>3000</td><td>200</td><td>9</td><td>009</td><td></td><td></td><td>009</td><td>450</td><td>0</td><td>150</td></td<>	6		m2	3000	200	9	009			009	450	0	150
Material Cost         No.         No.         Foot of Kesseru seedlings incl. 10% mortality @ No.         No.         Foot of Kesseru seedlings incl. 10% mortality @ No.         No.         Foot of Kesseru seedlings incl. 10% mortality @ No.         No.         Foot of Kesseru seedlings incl. 10% mortality @ No.         No.         Foot of Kesseru seedlings incl. 10% mortality @ No.         No.         Foot of Kesseru seedlings incl. 10% mortality @ No.         No.         Foot of Kesseru seedlings incl. 10% mortality @ No.         No.         Foot of Kesseru seedlings incl. 10% mortality @ No.         No.         Foot of Kesseru seedlings incl. 10% mortality @ No.         Foot of No.         F		Sub-total				164	24613			24613	24121	0	492
Cost of Kesseru seedlings incl. 10% mortality @         No.         No.         No.         No.         Foot of Kesseru seedlings incl. 10% mortality @         No.	8												
Cost of vermit-compost @ 400 gm/ plant (kg)         kg         450         225         225         225         225         225         125         225         125         225         125		Cost of Kesseru seedlings incl.10% mortality @ Rs.3	No.					200	1500	1500	750	375	375
Anti-termite/anti-fungal bio-products         Iumpsum         500         500         500         550         125           Transportation of seedlings         Iumpsum         600         500         500         500         0	CA	Г	kg					180	900	006	450	225	225
Transportation of seedlings         lumpsum         lumpsum         500         500         500         500         0         2           Cost of farm implements         LABOUR AND MATERIAL COMPONENTS         Iumpsum         Cost of organic FYM/Compost ( 0.50 cft/ plant )         CFT         0	3	Г	Iumpsumi						200	200	250	125	125
Cost of farm implements         LABOUR AND MATERIAL COMPONENTS         Iumpsum         LABOUR AND MATERIAL COMPONENTS         Iumpsum         Cost of organic FYM/Composit (0.50 cft/ plant)         CFT         0         0         0         255         1800         1800         450         475	4	-	Inmpsum	ins.					200	200	200	0	0
Cost of organic FYM/Compost ( 0.50 cff plant )         CFT         CFT         CFT         450           Seed material for bund crop/intercrop         Iumpsum         1mpsum         375         0           Sub-total         8200         8200         3225         1175           LABOUR AND MATERIAL COMPONENTS         %         75.01         24.99	5		lumpsum					2000-0	2500	2500	0	0	2500
Seed material for bund crop/intercrop         Iumpsum         Iumpsum         500         500         500         575         0           Sub-total         Sub-total         8200         8200         8200         32255         1175         3           LABOUR AND MATERIAL COMPONENTS         %         75.01         24.99         75.01         24.99         75.01         75.01         24.99         75.01 <td>9</td> <td>Cost of organic FYM/Compost (</td> <td>CFT</td> <td></td> <td></td> <td></td> <td></td> <td>225</td> <td>1800</td> <td>1800</td> <td>006</td> <td>450</td> <td>450</td>	9	Cost of organic FYM/Compost (	CFT					225	1800	1800	006	450	450
ENTS % 8200 8200 3225 1175 3 24613 8200 32813 27346 1175 4 75.01 24.99 8200 32813 27346 1175 4	7		Inmpsum	Sc-	200				200	200	375	0	125
24613     8200     32813     27346     1175       %     75.01     24.99     1175		Sub-total	also	21/3	407			100	8200	8200	3225	1175	3800
75.01		Total					24613		8200	32813	27346	1175	4292
		LABOUR AND MATERIAL COMPONENTS	%				75.01		24.99				

Source of Wage Rates used: Assam.

Annexure - VI Contd...

## Particulars / Activities   Units work)		II. MAINTENANCE OF ERI PERENNIAL HOST PLANTATION (Per acre/year) - FOR THREE YEARS	ANTATION	(Per acre/ye	ar) - FOR THREI	E YEARS							
Particulars / Activities   Units   Work / I   Task   No. of   Amount   No. of   Amount   Am				Qty. (Vol of	1	Labour co	omponent cilled)	Ma	terial	Total	Source	of fund	(Rs.)
Case of component   Case of case	#	Particulars / Activities	Units	work)/ Number	Task	No. of mandays/	Amount (Rs.)	No.	Amount (Rs.)	Amount (Rs.)			
Labour Component         (3)         (4)         (5)         (6)         (7)         (8)         (10)         (11)         (12)           Labour Component         Labour Component         No.         450         100         4.5         684         684         684         684           Anti-termite/antifungal bio-control treatment         No.         450         100         4.5         684         684         684         684           Application of organic fertilizers         No.         450         2.5         18         2736         2052         2052           Sub-total         Material Cost         Material Cost         A104         A104         3420         300         300         300           Cost of organic FYM/Compost (0.50 cft/ plant)         kg         A104         A104         A104         320         300					152	Qty					MGNREGS	CSB	Benef.
Labour Component         No.         450         100         4.5         684	(1)		(3)	(4)	(5)	(9)	(2)	(8)	(10)	(11)	(12)	(13)	(14)
Anti-termite/antifungal bio-control treatment         No.         450         100         4.5         684         6747         3206         2736         404         4104         410	A.	Labour Component											
Application of organic fertilizers         No.         450         100         4.5         684         67.47         79.96         47.47         79.96         47.47         79.96 <td>-</td> <td>Anti-termite/antifungal bio-control treatment</td> <td>No</td> <td>450</td> <td>100</td> <td>4.5</td> <td>684</td> <td></td> <td></td> <td>684</td> <td>684</td> <td>0</td> <td>0</td>	-	Anti-termite/antifungal bio-control treatment	No	450	100	4.5	684			684	684	0	0
Basin formation and weeding (2 times)         No.         450         25         18         2736         2736         2052           Sub-total         Material Cost         Material Cost         4104         4104         4104         3420           Cost of vermi-compost @ 400 gm/plant         kg         700         900         900         900           Anti-termite/ anti-fungal bio-products         lumpsum         Kg         725         1800         1800         900           Cost of organic FYM/Compost (0.50 cft/ plant)         kg         730         250         1800         900         250           Sub-total         Total         Anti-termite/ anti-fungal bio-products         180         900         3200         250         7304         550         7304         560         7304         560         7304         560         7304         7304         780 <t< td=""><td>2</td><td>Application of organic fertilizers</td><td>No.</td><td>450</td><td>100</td><td>4.5</td><td>684</td><td></td><td></td><td>684</td><td>684</td><td>0</td><td>0</td></t<>	2	Application of organic fertilizers	No.	450	100	4.5	684			684	684	0	0
Sub-total         27         4104         4104         3420           Material Cost         Material Cost         Material Cost         4104         4104         3420           Cost of vermi-compost @ 400 gm/plant         kg         500         900         900         900           Anti-termite/ anti-fungal bio-products         lumpsum         kg         500         500         500           Cost of organic FYM/Compost (0.50 cft/ plant)         kg         3200         3200         3200         300           Sub-total         Total         4104         320         730         730         750         750           LABOUR AND MATERIAL COMPONENTS         %         56.19         43.81         75.41         3602         75.75         16410         360.25         75.75         43756         4           LABOUR AND MATERIAL COMPONENTS         %         67.47         32.53         %share         79.96         4	က	Basin formation and weeding (2 times)	No.		25	18	2736			2736	2022	0	684
Material Cost         Material		Sub-total				27	4104			4104	3420	0	684
Cost of vermi-compost @ 400 gm/plant         kg         900         900         900         900         900         900         900         900         900         900         900         900         900         250         250         250         250         250         250         250         250         250         250         200         200         250         250         200	8	Material Cost								10000			
Anti-termite/ anti-fungal bio-products         Iumpsum         kg         550         550         550         550         250	7	Cost of vermi-compost @ 400 gm/plant	κ α					180	006	900	006	0	0
Cost of organic FYM/Compost (0.50 cft/ plant)         kg         Post of organic FYM/Compost (0.50 cft/ plant)         kg         1800         900         900         900         2050         7           Sub-total         Total         Total         4104         3200         7304         5470         7           LABOUR AND MATERIAL COMPONENTS         %         4104         3200         7304         5470         7           GRAND TOTAL (I+II)         17800         54725         43756         4         43756         4           LABOUR AND MATERIAL COMPONENTS         %         567.47         32.53         %share         79.96	2	Anti-termite/ anti-fungal bio-products	Iumpsum						200	200	250	250	0
Total         3200         3200         3200         2050           ATERIAL COMPONENTS         %         4104         3200         7304         5470           I+II)         12312         9600         21912         16410           I+III)         36925         17800         54725         43756           IATERIAL COMPONENTS         %         67.47         32.53         %share         79.96	3	Cost of organic FYM/Compost (0.50 cft/ plant)	kg					225	1800	1800	900	006	0
Total         4104         3200         7304         5470           ATERIAL COMPONENTS         %         43.81         43.81         43.81           I+II)         12312         9600         21912         16410           I+II)         36925         17800         54725         43756           IATERIAL COMPONENTS         %         67.47         32.53         %share         79.96		Sub-total							3200	3200	2050	1150	0
ATERIAL COMPONENTS         %         56.19         43.81         16410           I+II)         36925         17800         54725         43756           IATERIAL COMPONENTS         %         79.96		Total					4104		3200	7304	5470	1150	684
12312   9600   21912   16410   1410   15410   141		LABOUR AND MATERIAL COMPONENTS	%				56.19		43.81				
ERIAL COMPONENTS % 1780 54725 43756 79.96		Total for 3 years					12312		0096	21912	16410	3450	2052
% 67.47 32.53 %share 79.96		GRAND TOTAL (I+II)					36925		17800	54725	43756	4625	6344
	L	LABOUR AND MATERIAL COMPONENTS	%				67.47		32.53	%share	79.96	8.45	11.59

Note: 1. Quantity/number of various inputs and task norms worked out based on mandays requirement indicated at column nos. (4) & (5) are as per CSB norms

2. Source of Wage rates used for estimation: Wage rate under MGNREGS, Assam - 2013

3. Oty of work & SORs shall vary depending on the total extent covered under the cluster, soil type, soil gradient from state to state etc. SORs -2013 will be taken into account for implementation

4 Spacing in plantation -10'x10' (450 plants/acre)

5. Soil is considered as hard soil for the purpose of pit digging

6. Cattleproof trench is provided on pro-rata basis for an extent of 10 acre. of plantation at each place, which may vary depending on the shape of the

Maintenance cost will be provided for 3 years till plantations reach bearing stage for silkworm rearings.

M-9375 (21.5%), L-34381 (78.5%) 8.45 % % 96.62 4625 6344 **Beneficiary Contibution** Central Silk Board MGNREGS



