



COFFEE BOARD : BANGALORE

No.EXT/BAN/P&C CELL-59/2014-15/ 470

Date : 19.12.2014

CIRCULAR

Sub: Modalities for gap / vacancy filling in the Arabica estates due to removal of White Stem Borer infested plants and raising of group nurseries under the action plan to combat White Stem Borer – Reg.

Ref: No.04/03/2010-Plant – B dated 22.08.2014 of MoC & I.

The extended drought condition and high temperature from November 2013 onwards provided ideal conditions for the flare up of the White Stem Borer. Due to high level of infestation around 96 lakh plants were estimated to be uprooted contributing to an area of 3,200 ha. In order to tackle the problem, the Board evolved an Action Plan to combat Coffee White Stem Borer in consultation with the stakeholders, Research Committee and Expert Committee on WSB and submitted to the Ministry.

The Ministry vide letter cited under reference communicated approval of the said action plan. As per approval, the following components are to be implemented:

- 1) Support for Gap / Vacancy filling in the estates due to removal of White Stem Borer infested plants, spread over the planting season 2014-15 and 2015-16.
- 2) Support for Self Help Groups for setting up of Community Nurseries during 2015-16.

The extension officers sought guidelines for implementation of the above components. Accordingly, the modalities for the above two components are enclosed.

Under the community / group nursery programme, a total of 50 lakh seedlings are to be raised during 2015-16 to cater to the needs of the growers for carrying out gap / vacancy filling in the Arabica coffee estates due to removal of White Stem Borer affected

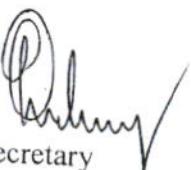
plants during the planting season 2015-16. The allocation of seedlings to be raised is as under :

- 1) Joint Director (Extn.), Hassan – 40 lakh seedlings
- 2) Joint Director (Extn.), Kalpetta – 10 lakh seedlings

The Joint Directors (Extn.) shall allot the required number of seedlings to be raised in each of the regions of the Deputy Directors (Extn.) under their administrative control with reference to the Arabica coffee area in the concerned region.

The Joint Directors (Extn.) shall make arrangements to procure the required quantity of seed coffee immediately so as to take up the work of raising of primary beds in the identified group nurseries in each of the Arabica Liaison Zones.

Encl: As above.



Secretary

To : The Joint Directors (Extension), Hassan / Kalpetta

Copy to:

- 1) DS to Chairman
- 2) PA to Secretary / Director of Finance / Director of Research, CCRI / HO
- 3) The Deputy Directors (Extn.), Hassan, Chikmagalur, Madikeri, Virajpet, Coimbatore
- 4) All the Senior / Junior Liaison Officers of Karnataka & Tamil Nadu.

MODALITIES FOR GAP / VACANCY FILLING IN THE ARABICA ESTATES DUE TO REMOVAL OF WHITE STEM BORER INFESTED PLANTS UNDER ACTION PLAN TO COMBAT WHITE STEM BORER

Objective

To provide incentives to Arabica coffee for taking up vacancy filling due to removal of White Stem Borer plants during the planting season 2014-15 and 2015-16 in traditional areas.

Eligibility:

1. All category of growers including Corporates and Co-operatives.
2. As a special provision, to mitigate the problems faced by the growers due to White Stem Borer menace, financial support will be extended for the gaps / vacancies filled during the 2014 and 2015 planting seasons.
3. The subsidy for vacancy filling is admissible only when the number of vacancies filled in Arabica coffee are to an extent of 25% or more in a given block.
4. The unit area for consideration of vacancy filling in a given estate should be a minimum of one acre spread over in one block or more than one block. If the estate itself is one acre or below, then the actual area of vacancy filled can be treated as the unit area for the purpose of subsidy subject to the condition that a minimum of 25% vacancies are filled.
5. Subsidy is eligible only for the actual extent of area calculated based on the actual number of gaps/ vacancies filled during 2014 and 2015 seasons.
6. Gaps / vacancies filled in Robusta blocks and gaps / vacancies in Arabica blocks filled with Robusta material are not eligible for support under vacancy filling activity.
7. The age of the plants existing in the estate need not be the criterion for considering subsidy through gap / vacancy filling.

Scale of Support

- (1) The total number of gaps / vacancies filled (subject to the condition of a minimum 25% vacancies in a given block) in a given estate should be converted in terms of area by considering the existing spacing adopted in that block and subsidy shall be calculated and paid as per the norms of XII plan replantation sub-component under the component "Development Support for Traditional Areas".



Typically, the number of plants per unit under different spacing are indicated below:

Spacing (in feet)	No. of plants / Ha	Remarks
7 x 7	2195	Generally preferred for tall varieties
7 x 6	2562	- do -
6 x 6	2989	Preferred for both tall & dwarf varieties
5 x 5	4300	Generally preferred for dwarf varieties
5 x 3	7173	Hedge row method for dwarf varieties
6 x 3	5977	- do -

(2) Subsidy will be released in one installment during the 1st year of the gap / vacancy filling.

Procedure for claiming subsidy

1. The applicant shall submit an application in the prescribed format (in duplicate) along with necessary documents to the concerned office of JLO / SLO of the Coffee Board after taking up the activity.
2. The following documents are required to be submitted along with the application:
 - 1) Duly filled-in application in the prescribed format (in duplicate).
 - 2) Proof of photo identity of the applicant/s such as copy of Aadhaar Card or Ration Card or Passport or PAN Card or Driving License or Election Photo Identity Card (EPIC) by the Election Commission etc.,
 - 3) Proof of Land Ownership in the form of any one of the following:
 - i. Copy of Patta / Khatha Extract along with RTCs for all Survey Nos. having coffee in possession of the applicant in respect of Karnataka.
 - ii. Copy of Chitta & Adangal in respect of Tamil Nadu and copy of possession certificate issued by competent revenue authority in respect of Nilgiris.
 - iii. Copy of Land Possession Certificate issued by the competent Revenue authority of Kerala.
 - 4) In case the applicant is a GPA holder, copy of the Registered GPA.
 - 5) Copy of the Bank Pass Book.
3. The concerned office of the JLO / SLO will scrutinize the documents, carryout field inspection and prepare the physical verification report consisting of details of gap / vacancy filled plants in the randomly selected rows along with in-situ map as per annexure – I and forward the claim statement along with relevant records to the concerned Deputy Director (Extn).
4. The Deputy Director (Extn.) after scrutinizing the claim and records and on confirming the admissibility of the claim in all respects will release the subsidy amount to the bank account of the applicant through EFT/RTGS/NEFT.

METHODOLOGY / STEPS FOR ASSESSMENT OF GAP/ VACANCY FILLING

The systematic random sampling method with a 15% sample size is to be followed for assessment of vacancies in a given unit as under:

- (a) Ascertain the number of patches in different blocks / locations of the estate where vacancy filling has been done to an extent of more than 25% through interaction with the concerned grower and through visual assessment.
- (b) After ascertaining such number of patches, for each patch, a compact area of one acre (sample plot) has to be fixed by counting the number of plants in horizontal and vertical rows. It may be ensured that clear cut demarcation is shown in the *in-situ* map as to the exact place of commencement and ending of the selected patch.

A hypothetical example is as under:

- (i) If the spacing adopted is 6'x6', the total number of plants should be around 1200 per acre covered in 30 rows x 40 plants or vice versa.
- (ii) After selecting one acre representative area within the gap/vacancy filled block, the number of vacancy filled plants have to be physically counted and recorded for each selected sample plot and shown in the *in situ* mapping for records and the total number of vacancy filled plants in one acre may be arrived as per the following procedure:

Step – 1:

Determine the minimum number of plants for a sample size of 15% i.e., 15% of 1,200 plants will be 180 plants.

Step – 2:

Determine the number of rows for a sample size of 15% i.e., 15% of 30 rows will be 4.5 and hence rounded off to 5. Any decimal fraction should be rounded off to the next highest number.

Step – 3:

Select any 5 rows by adopting systematic random sampling/selection of rows from anyone side either from north/south or east/west.

Step – 4:

After the 5 rows are selected, all the plants (old plants as well as vacancy filled plants) in these 5 rows are to be counted so as to ensure that a minimum of 180 plants i.e.,

15% of 1,200 plants are checked. In case, more than 180 number of plants are found in these 5 rows, the exact number of plants examined may be taken for calculation purpose. In case, there is a shortfall found in the minimum of 180 plants in the 5 rows, then additional rows have to be taken to get the minimum number of 180 plants so as to ensure 15% of sample size is considered.

Step – 5:

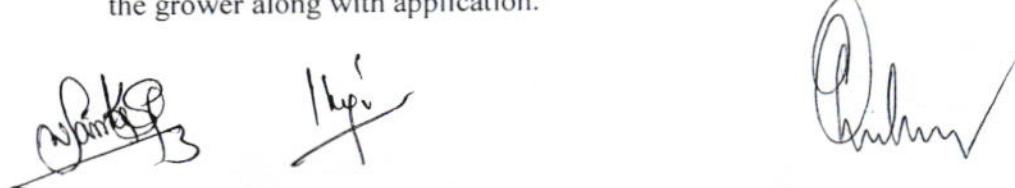
After counting the total number of plants (old plants as well as vacancy filled plants) in the randomly selected 5 rows, count the number of vacancy filled plants in each of these 5 rows.

After getting the number of gap / vacancy filled plants in those 5 rows of the selected patch, the number of plants may be calculated for the total area of the patch by extrapolation as follows:

- a) If a total of 200 plants (old plants as well as vacancy filled plants) are found in those 5 rows, of which 60 plants are gap / vacancy filled, then, extrapolate for the selected patch of 1 acre i.e., for 1200 plants which comes to 360 plants ($60 \div 200 \times 1200$) which means that 30% of the plants in the unit area has been gap / vacancy filled.
 - b) Therefore, subsidy should be calculated for 0.3 acre of the area as per the replantation norms of XII Plan.
- (iii) The percentage of vacancy filled plants in the compact of area of one acre shall be worked out as follows:

$$\% \text{ of vacancy} = \frac{\text{Total number of vacancy filled plants in 1 acre patch} \times 100}{\text{Total number of plants population in one acre patch}}$$

- (iv) The procedure as detailed under (ii) to (iii) above, should be followed for other patches in a given estate.
- (v) The total number of gaps / vacancy filled plants shall be arrived by taking the number of plants in all such eligible patches where 25% or more plants have been vacancy filled. The actual area of gaps / vacancies filled in each eligible block should be added to arrive at the total area of the gaps / vacancies which have been filled.
- (vi) The inspecting officers should furnish the *In situ* map of the vacancy filled plants and other details as per the enclosed **Annexure-I** along with the investigation report for records.
- (vii) A declaration on a plain paper in the prescribed format regarding the replanting carried out by the grower and the removal of white stem borer plants should be obtained from the grower along with application.



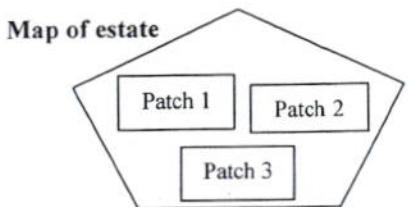
Annexure - I

Physical Verification Report

Name of the estate

Name of the grower

Total area of the estate



In situ map of Sample Plot - 1

	Rows																													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Plants																														
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2																														
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◆ - Vacancy filled plants, ◇ - Existing plants

$$\% \text{ of vacancy} = \frac{\text{Total number of vacancy filled plants in 1 acre patch} \times 100}{\text{Total number of plants population in one acre patch}} = 300 \times 100 \div 1200 = 25\%$$

[Handwritten signatures and initials follow, including "P.K.", "M.P.", and "A.P."]

Number of the eligible patch	Area of each patch (acres) where gap filling is done & variety	Spacing (ft x ft) & no. of plants / ac	Total plant population / patch	No. of vacancies filled in the patch	% of vacancy filled	Actual extent of area of gap filled based on sample plot
1						
2						
3						
Total:						

Subsidy may be considered for no. of gaps / vacancies filled at the spacing of ft. x ft. accounting to an area of ha out of the total area of ha of the blocks where gap/ vacancy filling has been undertaken during the year 20..... & 20

I certify that I have gone round the estate and found that the White Stem Borer affected plants have been removed in the entire estate to the best of my knowledge.

Date of visit:

Name & Signature of Inspecting Officer
Designation

(Note: Separate worksheet and in-situ map to be furnished for each sample plot of each patch)

Name & signature of the grower / authorized representative

Application for the Vacancy Filling Activity

1. Name and address of the applicant/ Estate with contact number				
2. Gender	Male / Female			
3. Whether Belongs to SC / ST/ OBC	Yes / No. If yes, pl. specify			
4. Name of the village / taluk				
5. Total extent of coffee area (in Ha.)				
6. Sy. No. wise coffee area of the estate (in Ha.)	Sy. No.	Arabica	Robusta	Total
7. Sy. No. wise Arabica area covered under vacancy filling (in Ha.) due to removal of White Stem Borer affected plants	Sy. No.	Area (ha.)	No. of plants filled	Variety
Total :				
9. Details of replanting subsidy availed from the Board earlier	Year	Area benefitted (Ha.)		Subsidy Amount (Rs.)
10. Details of the Bank Account of the Applicant/s	Name of the Bank / Branch	IFSC Code	Account No.	

Place:

Date:

Signature of the Applicant/s

List of documents to be enclosed :

- 1) Duly filled-in application in the prescribed format (in duplicate).
- 2) Proof of photo identity of the applicant/s such as copy of Aadhaar Card or Ration Card or Passport or PAN Card or Driving License or Election Photo Identity Card (EPIC) by the Election Commission etc.,
- 3) Proof of Land Ownership in the form of any one of the following:
 - a) Copy of Patta / Khatha Extract along with RTCs for all Survey Nos. having coffee in possession of the applicant in respect of Karnataka.
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 - c) Copy of Land Possession Certificate issued by the competent Revenue authority of Kerala.
- 4) In case the applicant is a GPA holder, copy of the Registered GPA.
- 5) Copy of the Bank Pass Book.





DECLARATION

I/We, the owner(s) of the estate situated in Village Taluk District with a total area of ha. and planted to variety now aged years hereby solemnly declare that I/we have taken up vacancy filling with variety in number of patches severally affected by White Stem Borer and planted total number of plants which accounting to percent of the total plant population in the said patches by investing our own funds / funds borrowed from authorized source.

I/We have removed and burnt/ disposed/ disinfested all the White Stem Borer affected plants before taking up vacancy filling and have not left any affected plants in the field deliberately or otherwise.

I/We further declare that the information provided as above is true to the best of my knowledge and is correct.

Further, I/We agree to abide by the terms and conditions as stipulated in the Modalities for Vacancy / gap filling scheme implemented by the Board.

Place:

Date:

Signature of the Grower

