

**BANGLADESH RURAL ELECTRIFICATION BOARD**

**BREB INSTRUCTION 500-27  
PBS INSTRUCTION 100-69**

**PENALIZATION FORMULA FOR DEVIATIONS DETECTED  
DURING DESTINATION (POST-LANDING) INSPECTION  
IN  
WOOD POLES, ANCHOR LOGS AND CROSSARMS OF  
BREB/PBS**

**BANGLADESH RURAL ELECTRIFICATION BOARD**  
**BREB INSTRUCTION 500-27/ PBS INSTRUCTION 100-69**

Approval: 22/02/2000  
Revision : 19/02/2020

**SUBJECT: PENALIZATION FORMULA FOR DEVIATIONS DETECTED**  
**DURING DESTINATION (POST-LANDING) INSPECTION IN**  
**WOOD POLES, ANCHOR LOGS AND CROSSARMS OF BREB/PBS**

**1. PURPOSE**

To establish and set forth a uniform policy guideline for the purpose of imposing penalty/compensation against deviation to wood poles, anchor logs and crossarms during destination (Post-Landing) inspection.

**2. SCOPE**

The provisions as stipulated in this policy instruction shall be applicable for the proper evaluation of deviations detected during destination inspection in wood poles, anchor logs, and crossarms to be used in the RE (Rural Electric) system.

BANGLADESH RURAL ELECTRIFICATION BOARD				
BREB INSTRUCTION 500-27/ PBS Instruction 100-69: PENALIZATION FORMULA FOR DEVIATIONS DETECTED DURING DESTINATION (POST-LANDING) INSPECTION IN WOOD POLES, ANCHOR LOGS AND CROSSARMS OF BREB/ PBS				
Date of Origin	Revised by	Approved by	Page No.	Revision No.
22/02/2000	BREB	BREB Board	Page 1 of 8	4
Revision Date: 01/08/2002, 27/11/2006, 20/01/2015 & 19/02/2020				

(Md. Mozibur Rahman)  
Consultant TAPP BREB

(Md. Duhidul Islam)  
Consultant TAPP BREB

(Md. Mozammeel Haque)  
Consultant, TAPP, BREB

(Md. Abdul Khaleque)  
Consultant, TAPP, BREB

(Md. Ahsanul Haque,  
Consultant, TAPP, BREB

(Debasish Chakraborty)  
PD, TAPP, BREB

(Kamrul Ahsan Mollah)  
Asst. Secy. (Board), BREB

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### 3. GENERAL

#### 3.1 Inspection:

The penalization/ compensation formula prescribed in this policy instruction shall apply to all supplied wood poles, anchor logs and cross arms for any/all deviations detected after proper destination inspection. The inspection shall be jointly conducted by the

Timber Product personnel of the office of Superintending Engineer, Environment and Social Management of BREB along with the personnel of respective warehouse/ Store of BREB / PBS as per provision as contained in the respective bid document. Each deviation shall have to be certified by the Superintending Engineer, Environment and Social Management of BREB.

3.2 Inspection of Wooden poles, Cross-arms & Anchor Logs will be completed after acceptance/approval of pre-shipment & destination (post landing) inspection reports by the competent authority.

### 4. POLICY

#### 4.1 Evaluation of Penalty:


The estimated amount of compensation or penalty to be calculated based on the joint inspection report as per section 3.1 hereinabove shall be submitted to the BREB Board for approval or by its delegated person/committee (if any) and shall be implemented through the PE(Procuring Entity) forthwith.

BANGLADESH RURAL ELECTRIFICATION BOARD				
BREB INSTRUCTION 500-27/ PBS Instruction 100-69: PENALIZATION FORMULA FOR DEVIATIONS DETECTED DURING DESTINATION (POST-LANDING) INSPECTION IN WOOD POLES, ANCHOR LOGS AND CROSSARMS OF BREB/ PBS				
Date of Origin	Revised by	Approved by	Page No.	Revision No.
22/02/2000	BREB	BREB Board	Page 2 of 8	4
Revision Date: 01/08/2002, 27/11/2006, 20/01/2015 & 19/02/2020				

  
(Md. Mozibur Rahman)  
Consultant, TAPP, BREB

  
(Md. Durdul Islam),  
Consultant, TAPP, BREB

  
(Md. Mozammel Haq),  
Consultant, TAPP, BREB

  
(Md. Abdul Khaleque)  
Consultant, TAPP, BREB

৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

  
(Md. Ahsanul Haque,  
Consultant, TAPP, BREB

  
(Debasish Chakraborty)  
PD, TAPP, BREB

  
(Kamrul Ahsan Mollick)  
Asst. Secy. (Board), BREB.

#### 4.2 Sample Test for Determining Deviation:

The amount of total/average deviations shall be determined based on random samples /data taken from total supply of goods. The quantity of deviated materials under a particular class and length shall be determined based on deviated percentage derived from the random samples.

4.3 When the amount of deviations are not properly measurable due to technical reasons (e.g. growth rings, knots, debarking, gains, framing, holes, splits etc.), 0.25% of C&F price shall be deducted for each deviation of the supplied goods.

### 5. DEVIATIONS AND PENALIZATION FORMULA

#### 5.1 Deviation in Preservative Penetration:

5.1.1 When the average percentage of deviation is 20% or below from that of the specified acceptable minimum (i.e. the penetration is up to **35.2%** of the radius) the materials shall be accepted by deducting the estimated amount of penalty/ compensation as per the following formula:

$$D = \{ C (\text{Spr}\% - \text{Opr}\%) \} \div 100$$

Where 'D' is the deductible amount in US Dollar, 'C' is the C&F price of materials, 'Spr%' is the **specified penetration in percent (%) radius** and 'Opr%' is the **obtained penetration (average of all borings taken) in percent (%) radius**.

5.1.2 When the percentage of average deviation is above 20% from that of the specified acceptable minimum (i.e. the penetration is above **35.2%** of the radius), the materials shall be rejected, which however may be accepted subject to **retreatment** at the cost of

BANGLADESH RURAL ELECTRIFICATION BOARD				
BREB INSTRUCTION 500-27/ PBS Instruction 100-69: PENALIZATION FORMULA FOR DEVIATIONS DETECTED DURING DESTINATION (POST-LANDING) INSPECTION IN WOOD POLES, ANCHOR LOGS AND CROSSARMS OF BREB/ PBS				
Date of Origin	Revised by	Approved by	Page No.	Revision No.
22/02/2000	BREB	BREB Board	Page 3 of 8	4
Revision Date: 01/08/2002, 27/11/2006, 20/01/2015 & 19/02/2020				

(Md. Mozibur Rahman)  
Consultant TAPP BREB

(Md. Duhidul Islam),  
Consultant, TAPP BREB

(Md. Mozammel Haq)  
Consultant, TAPP BREB

(Md. Abdul Khaleque)  
Consultant TAPP BREB

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(Md. Ahsanul Haque,  
Consultant, TAPP, BREB

(Debasish Chakraborty)  
PD, TAPP, BREB

(Kamrul Ahsan Mollik)  
Asst. Secy. (Board), BREB.

the supplier provided that sufficient quantity of **treatable wood** is found available in that lot.

### 5.2 Deviation in Preservative Retention:

5.2.1 When the percentage of average deviation is 20% or below from that of the specified acceptable minimum (i.e. the retention is up to **w/w 3.2%**), the materials shall be accepted by deducting the estimated amount of penalty/compensation as per the following formula:

$$D = [ \{ C (SMR-OAR) \} \div SMR ] \div 100$$

Where 'D' is the deductible amount in US Dollar, 'C' is the C&F price of materials, 'SMR' is the specified minimum retention, 'OAR' is the obtained average retention

5.2.2 When the percentage of average deviation is above 20% from that of the specified acceptable minimum (i.e. the retention is above **w/w 3.2%**), the materials shall be rejected, which however may be accepted subject to **retreatment** at the cost of the supplier to attain the required retention.

### 5.3 Deviation in Dimension:

#### 5.3.1 Deviation in circumference or cross-section:

5.3.1.1 When deviation in circumference of poles, anchor logs and with cross-section (thickness and width) of crossarms is less than **5%** (five) from the specified acceptable minimum, the materials shall be accepted by deducting the estimated amount of penalty/compensation as per the following formula:

$$D = [ \{ C (SMD-OAD) \} \div SMD ] \div 100$$

BANGLADESH RURAL ELECTRIFICATION BOARD				
BREB INSTRUCTION 500-27/ PBS Instruction 100-69: PENALIZATION FORMULA FOR DEVIATIONS DETECTED DURING DESTINATION (POST-LANDING) INSPECTION IN WOOD POLES, ANCHOR LOGS AND CROSSARMS OF BREB/ PBS				
Date of Origin	Revised by	Approved by	Page No.	Revision No.
22/02/2000	BREB	BREB Board	Page 4 of 8	4
Revision Date: 01/08/2002, 27/11/2006, 20/01/2015 & 19/02/2020				

(Md. Mozibur Rahman)  
Consultant TAPP BREB

(Md. Duhidul Islam)  
Consultant TAPP BREB

(Md. Mozammel Haq)  
Consultant TAPP BREB

(Md. Abdul Khaleque)  
Consultant TAPP BREB

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(Md. Ahsanul Haque)  
Consultant, TAPP, BREB

(Debasish Chakraborty)  
PD, TAPP, BREB

(Kamrul Ahsan Mollik)  
Asst. Secy. (Board), BREB.

Where 'D' is the deductible amount in US Dollar, 'C' is the C & F price of the materials, 'SMD' is the specified minimum dimension, 'OAD' is the obtained average dimension.

**5.3.1.2** When the percentage of deviation exceeds 5% towards lower specified dimension, the materials shall be considered as unusable and hence would be rejected. But only in the case of poles, such deviated supplied goods shall be examined thoroughly as to determine whether those can be used under lower- class category; and the existing purchase price against the quantity of poles usable under the lower- class category shall be paid to the supplier, subject to obtaining prior approval of the Board.

**5.3.2. Deviation in Length:**

Deviation deductible formula for length shall be the same as deviation for deduction in circumference (5.3.1.) formula, which however shall not exceed the deviation limits of 1% (one per cent). When deviation exceeds 1% towards lower specified direction, the materials shall be considered as unusable and hence would be rejected. But such deviated supplied goods shall be examined thoroughly as to determine whether those can be used under lower-class category; and the price against the quantity of materials usable under the lower-class category shall be paid to the supplier.

**5.4. Deviation in Prohibited Defects:**

BANGLADESH RURAL ELECTRIFICATION BOARD				
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Date of Origin	Revised by	Approved by	Page No.	Revision No.
22/02/2000	BREB	BREB Board	Page 5 of 8	4
Revision Date: 01/08/2002, 27/11/2006, 20/01/2015 & 19/02/2020				

(Md. Mozibur Rahman)  
Consultant TAPP BREB

(Md. Dujidul Islam)  
Consultant TAPP BREB

(Md. Mozammel Haque)  
Consultant TAPP BREB

(Md. Abdul Khaleque)  
Consultant TAPP BREB

(Md. Ahsanul Haque,  
Consultant TAPP BREB

(Debasish Chakraborty)  
PD, TAPP, BREB

৬২১ তম বোর্ড সভায় অনুমোদিত সিদ্ধান্ত নং ১৭৭০০

(Kamrul Ahsan Mollik)  
Asst. Secy. (Board), BREB.

