

**Annexure to Agenda item No. 10.11 of 404<sup>th</sup> RC meeting  
dt. 28.06.2019 & 03.07.2019**

**Objective: Bioassay Protocol**

**Protocol for Bio effectiveness and Persistence Studies**

- a) **Season:** Monsoon, Winters, Spring, Summer
- b) **Location: Coastal, Hilly, Plain** (A minimum of three locations should be selected for carrying out studies related representing diverse climatic conditions of the country)
- c) **Frequency of bio effectiveness test:** one time in above (a+b)
- d) **Data generation:**
  - i. when applied on inner wall
  - ii. when applied on outer wall
  - iii. When applied on both sides
- e) **Designated pest:** As per claim (Pest) for inner side/outer side/both side application

**Target substrate/object for Bioeffectivness and persistence studies:** Cement/Wood

**Duration of trials (as per claim):** Depending upon the shelf life of the pesticide formulation used as biocide in paint.

**Treatment details:**

S.No.	Treatment	% of a. i. mixed in the paint	% of formulation mixed in paint.	% quantity of biocide present in per sq. m of substrate/object
1.	Product name (biocide mixed in paint )	X	X	
2.	Product name (biocide mixed in paint )	2X	2X	
3.	Control (Paint without biocide)	-	-	-

**Frequency of sampling:** Frequency of sampling should be at every three-month interval covering all four seasons upto the claim (for all studies) + 6months (for Persistence) starting from the date of application of paint.

**Number of samples to be analysed:** Minimum three replications

**Sampling Method:** Required quantity of sample for testing shall be collected at least form 1 sq. meter painted area each time.

**Mortality Rate ( % ) :** Shall not be less than 80 %.