Annexure –2

In order to determine the level of role performance of the respondents, a scale with 11 points has been prepared taking into consideration various acts of role performance as a legislator that has been asked in the interview scheduled from the respondents.

Positive reply by the respondents for each activity has been awarded one mark. Thereafter Standard Deviation \[ \sigma = \sqrt{\frac{\sum (x_i - \mu)^2}{n}} \] is calculated for the three States under study. To avoid any error, Standard Deviation is processed through Statistical Package for Social Sciences (SPSS).

Formula applied is: \( \text{Mean} - \frac{1}{2} \sigma \text{ to Mean} + \frac{1}{2} \sigma \).

On the bases of the calculations, all the responses are Categories/Scale into three categories: Low Category, Medium Category, and High Category.

Since the number of respondents from each state is different, the scores for the states also vary. The State wise scaling is as follows:

**Himachal Pradesh**

Total positive marks obtain by the respondents is 112. The mean (\( \Sigma \)) for the 14 respondents is 8.0 and 2.2 is obtained as Standard Deviation.

Formula Applied : \( \text{Mean} - \frac{1}{2} \sigma \text{ to Mean} + \frac{1}{2} \sigma \)

that is \( 8.0 - 1.1 = 6.9 \) and \( 8.0 +1.1= 9.1 \)

Medium category is from 6.9 to 9.1.

Hence Low level is less than 6.9
Medium Level is 6.9 to 9.1.
High level is 9.1 and above.

Punjab

Total positive marks obtain by the respondents is 175. The mean (Σ) for the 22 respondents is 7.9 and 2.0 is obtained as Standard Deviation.

Formula Applied : Mean – ½ SD to Mean + ½ SD
that is 7.9 – 1.0 = 6.9 and 7.9 +1.0= 8.9
Middle Category is from 6.9 to 8.9
Hence Low level is less than 6.9
Medium Level is 6.9 to 8.9
High level is 8.9 and above.

Haryana

Total positive marks obtain by the respondents is 155. The mean (Σ) for the 19 respondents is 8.5 and 4.0 is obtained as Standard Deviation.

Formula applied : Mean – ½ SD to Mean + ½ SD
that is 8.5 – 2.0 = 6.5 and 8.5 +2.0=10.5
Middle Category is from 6.5 to 10.5
Hence Low level is less than 6.5
Medium Level is 6.5 to 10.5
High level is 10.5 and above.