The following ten Quality Indicators have been defined by NABH. All blood banks are encouraged to capture the data for these indicators. Further, out of these ten, **first five Indicators** have been mandated for accredited blood bank to monitor and report to NABH every six months.

10 Quality indicators for Blood Bank

1. **TTI** % = Combined TTI cases (HIV + HBV + HCV + Syphilis + MP) x 100

Total number of donors

2. Adverse Transfusion Reaction Rate % =

Number of adverse transfusion reactions x 100

Total number of units issued

(All major and minor reactions to be classified as per NHvPI and reported to blood bank)

3. Wastage Rates =

Number of blood/ blood components discarded x 100

Total number of blood and blood components prepared

4. Turnaround Time (TAT) of Blood Issues =

Sum of the Time Taken

Total number of blood and blood components cross matched/reserved

(Time taken to be calculated from the time the request/ sample is received in the blood bank till the blood is cross matched/ reserved and available for transfusion. Blood Bank shall set upper limits for routine and emergency issues separately)

5. Component QC failures (for each component) =

Number of component QC failures x 100

Total Number of component tested

6. Adverse Donor Reaction Rate %=

Number of donors experiencing adverse reaction x 100

Total number of donors

7. Donor Deferral Rate % =

Number of donor deferrals x 100

Total number of donation + total number of deferrals

8. % of components =

<u>Total component issues</u> X 100 Total Whole Blood + Component issues

9. TTI outliers %age =

Number of deviations beyond \pm 2SD X 100 Total number of batch assays

10. Delays in transfusion beyond 30 min after issue-sample audit by BB every month.