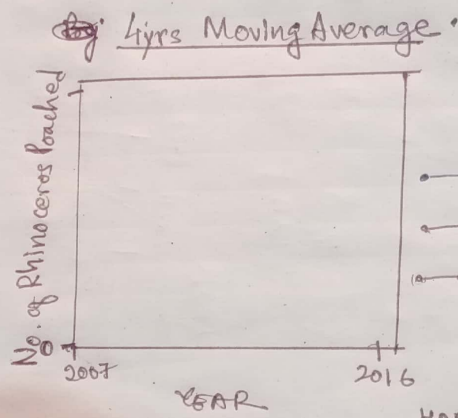
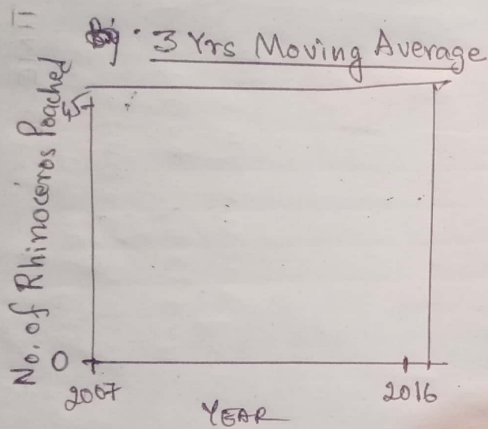


TIME SERIES GRAPHS
SHOWING
THE TREND OF POACHING RHINOCEROS IN ASSAM
(2007-2016)



- INDEX
- (Blue) Actual Trend ~~line~~
 - (Blue) 3 Yrs Moving Average Trend
 - (Red/Green) 4 Yrs Moving Average Trend

SCALE
HORIZONTAL 1cm = 5 unit
VERTICAL 1cm = 1 Yr

Source: Department of Environment & forests, Govt of Assam,

Table: Calculation of 3 yrs Moving Average.

No.	Year	Poaching	3 yrs Moving total	3 yrs Moving Average
1	2007	20	-	-
2	2008	13	50	16.67 16.67
3	2009	17	37	16.67 12.33
4	2010	7	38	12.33 12.67
5	2011	14	46	15 15.33
6	2012	25	80	26.67
7	2013	41	101	33.67
8	2014	35	100	33.33
9	2015	24	76	25.33
10	2016	17	-	-

Q. From the given data showing yearwise (2007-16) poaching of Rhinoceros in Assam

- i) Compute ^{3 yrs} 4 years moving Average
- ii) Graphically represent it through time series graph showing both the actual trend ~~line~~ and ^{3 yrs} moving average trend (3 yrs & 4 yrs).

Table: Calculation of 4yrs Moving Average

Sl.no.	Year	Poaching	4yrs Moving total (not centred)	4yrs Moving Average (not centred)	4yrs Moving Average (centred)
1	2007	20			
2	2008	13	57	14.25	
3	2009	17	51	12.75	13.5
4	2010	7	63	15.75	14.25
5	2011	14	87	21.75	18.75
6	2012	25	115	28.75	25.25
7	2013	41	125	31.25	30.00
8	2014	35	117	29.25	30.25
9	2015	24			
10	2016	17			

Source: - Department of Environment & forests, Govt of Assam.