

SEPTEMBER 29, 2020



Monthly Malaria Situation State/UTs - Category 3

Monitoring and Evaluation Division
National Vector Borne Diseases Control
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New Delhi

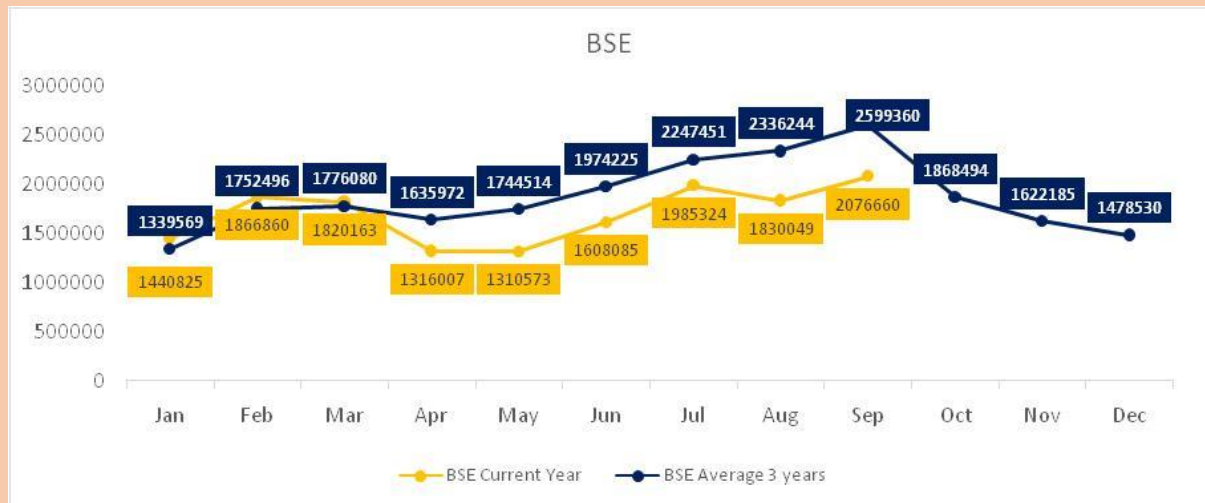
Situational Analysis, Trends and Action Points**Category 3 statesPage No**

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INTRODUCTION & SUMMARY SHEET

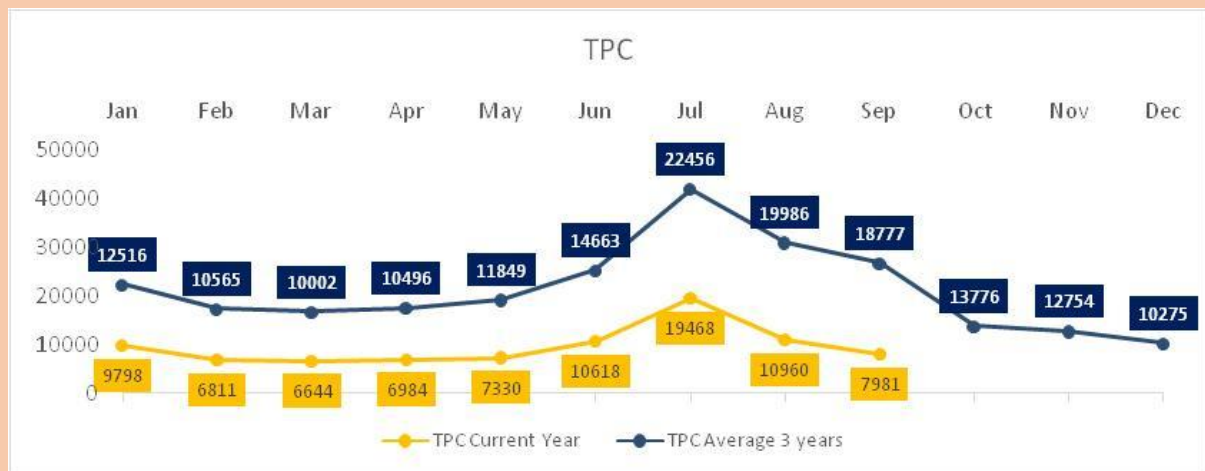
The surveillance information of Malaria (till September 2020) in Category 3 states is enclosed in this Monthly Malaria Situation Information Report. The various indicators analysed in this report are BSE, TPC, TPR and PF.

GRAPH 1: MONTH WISE TREND OF BSE IN CATEGORY- 3 STATES



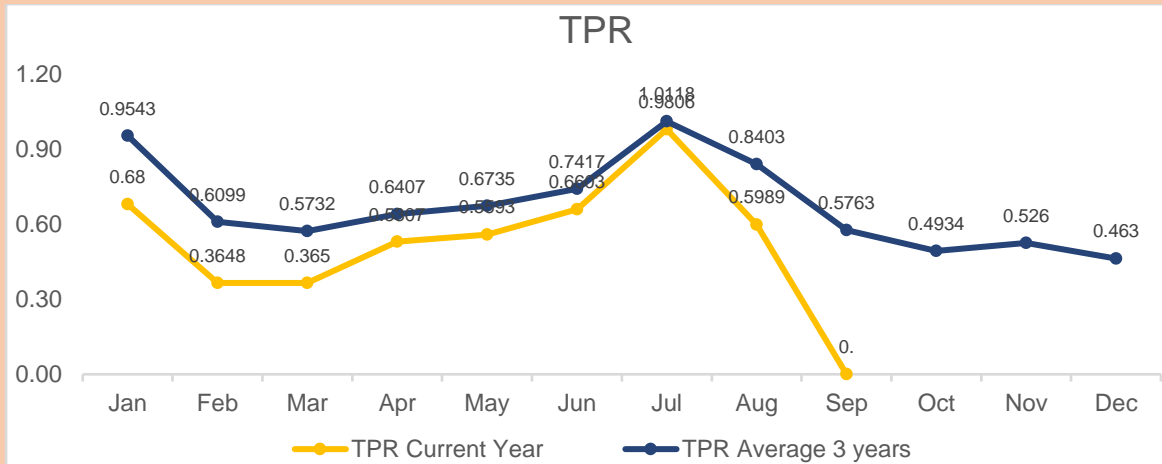
There is a decline of BSE by 18.7% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is also a decline of BSE by 22.9% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN CATEGORY- 3 STATES



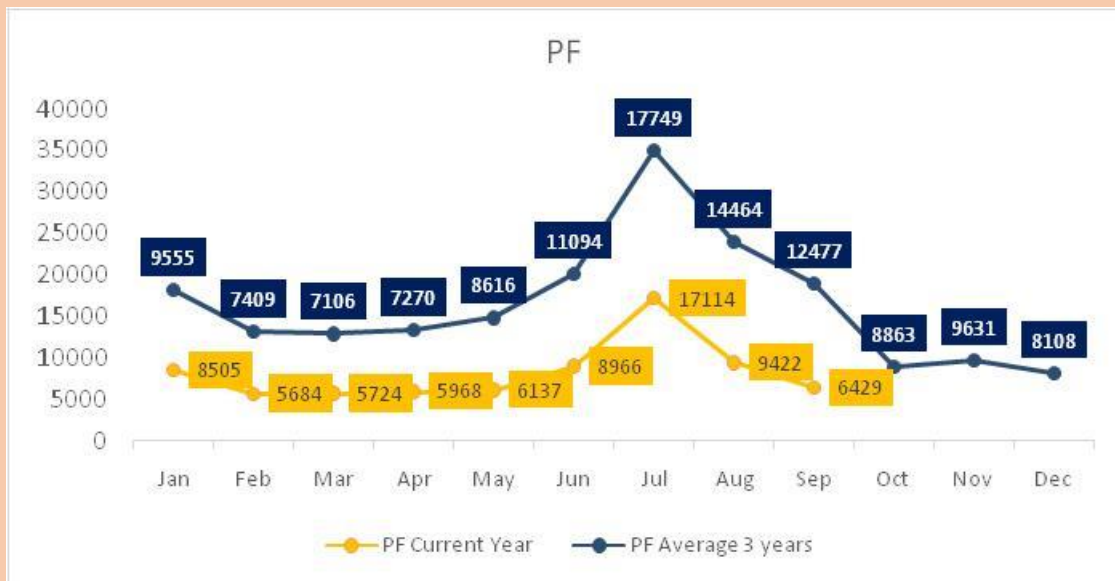
There is a decline of TPC by 69.6% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decrease of TPC by 33.3% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN CATEGORY- 3 STATES



The TPR was 0.57 during (Jan-Sep) 2020 as compared to 1.52 for three years average cumulative of Jan-Sep. The TPR was 0.66 during (Jan-Sep) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN CATEGORY- 3 STATES



There is a decline of PF by 64.6% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decline of PF by 22.7% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019

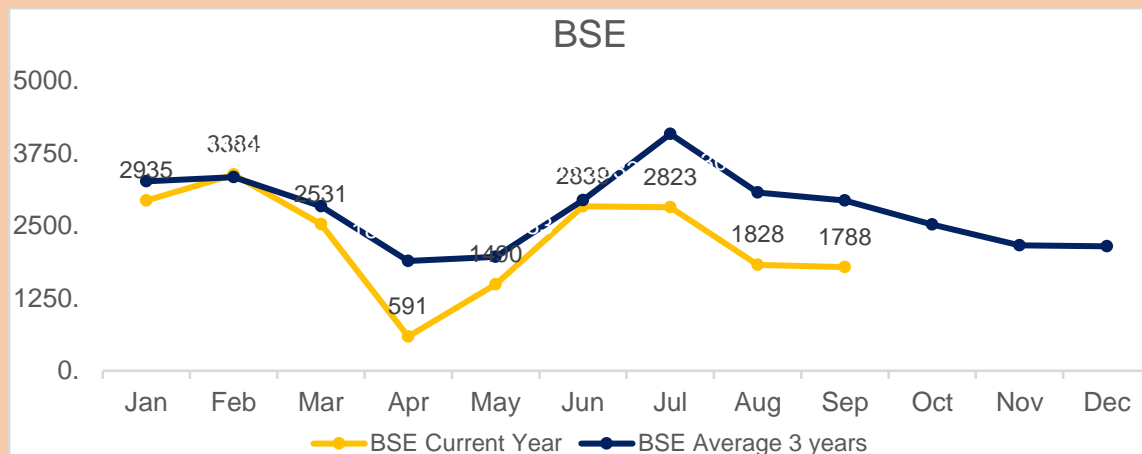
	States/UTs	Districts showing a decrease in Surveillance
1	A & N	North and Middle Andaman, South Andaman
2	Arunachal Pradesh	Anjaw, Changlang, Dibang Valley, East Kameng, East Siang, Kradaadi, KurungKumey, Lohit, Longding, Lower Dibang Valley, Lower Siang-Basar, Lower Subansiri, Namsai, Papum Pare, Siang Central, Tawang, Tirap, Upper Siang, Upper Subansiri, West Kameng, West Siang
3	Madhya Pradesh	Agar, Alirajpur, Balaghat, Barwani, Betul, Bhind, Bhopal, Burhanpur, Chhatarpur, Chhindwara, Damoh, Datia, Dewas, Dhar, Dindori, Guna, Harda, Hoshangabad, Indore, Jabalpur, Katni, Khandwa, Mandla, Mandsaur, Morena, Narsingpur, Neemuch, Panna, Raisen, Ratlam, Rewa, Sagar, Satna, Sehore, Seoni, Shahdol, Shajapur, Sheopur, Shivpuri, Sidhi, Singroli, Tikamgarh, Ujjain, Vidisha
4	Mizoram	Aizawal East
5	Chhattisgarh	Balod, Balodabazar, Balraampur, Bastar (Jagdalpur), Bemetara, Bijapur, Bilaspur, Dantewada, Dhamtari, Durg, Gariaband, Janjgir (Champa), Jashpur, Kanker, Kawardha, Kondagaon, Korba, Korea, Mahasamund, Mungeli, Narayanpur, Raigarh, Raipur, Rajanandgaon, Sukhma, Surajpur, Surguja
6	DNH	Dadra & Nagar Haveli, Daman, Diu
7	Jharkhand	Bokaro, Chatra, Deoghar, Dhanbad, Dumka, E. Singhbhum, Garhwa, Giridih, Godda, Gumla, Hazaribagh, Jamtara, Khunti, Koderma, Latehar, Lohardaga, Pakur, Palamu, Ramgarh, Ranchi, Sahibganj, Saraikela, Simdega, W. Singhbhum
8	Meghalaya	East Garo Hills, East Jaintia Hills, East Khasi Hills, North Garo Hills, Ri-Bhoi, South Garo Hills, South West Garo Hills, South West Khasi Hills, West Garo Hills, West Jaintia Hills (Jaintia Hills)
9	Odisha	Angul, Bargarh, Bhadrak, Bolangir, Cuttack, Gajapati, Ganjam, Jajpur, Jharsuguda, Kalahandi, Kendrapada, Keonjhar, Khurda, Koraput, Mayurbhanj, Nawarangpur, Nayagarh, Phulbani (Kandhamal), Sambalpur, Sonepur
10	Tripura	Dhalai Tripura, Gomati, Khowai, Sipahijala, South Tripura, Unakuti, West Tripura

Action points for all Category 3 States/UTs:

- States/UTs need to focus on improving Malaria surveillance along with COVID19 activities, focusing on migratory workers..
- State /UTs need to share the detailed case reports regarding any COVID19-Malaria co-infections reported.
- States/UTs need to perform data analysis at sub district level to identify hotspots and implementing focal strategies.
- States/UTs need to focus on surveillance of migratory workers.
- State /UT needs preparedness and response for any Malaria outbreak.
- States/UTs need to intensify monitoring & supervision activities
- States/UTs need to ensure >80% usage of LLIN by community.
- States to intensify vector control measures by identifying potential vector breeding sites, environmental management, biological control and focus based adult vector intervention.

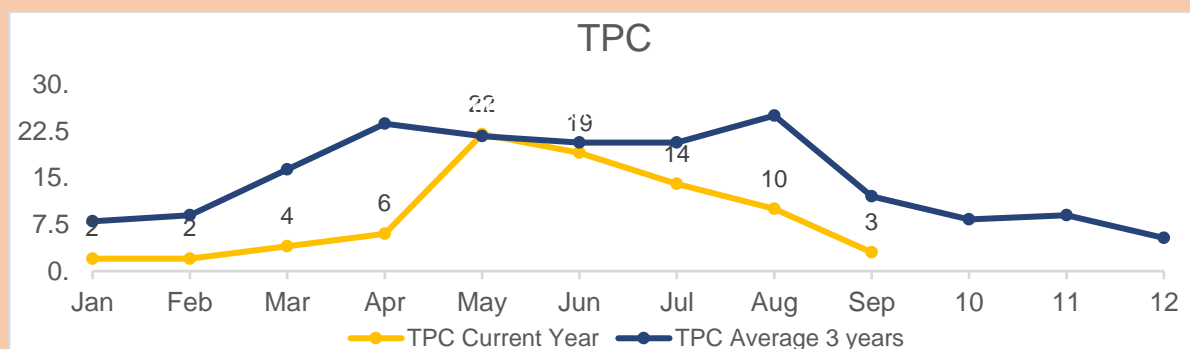
2) ANDAMAN & NICOBAR ISLANDS

GRAPH 1: MONTH WISE TREND OF BSE IN ANDAMAN & NICOBAR



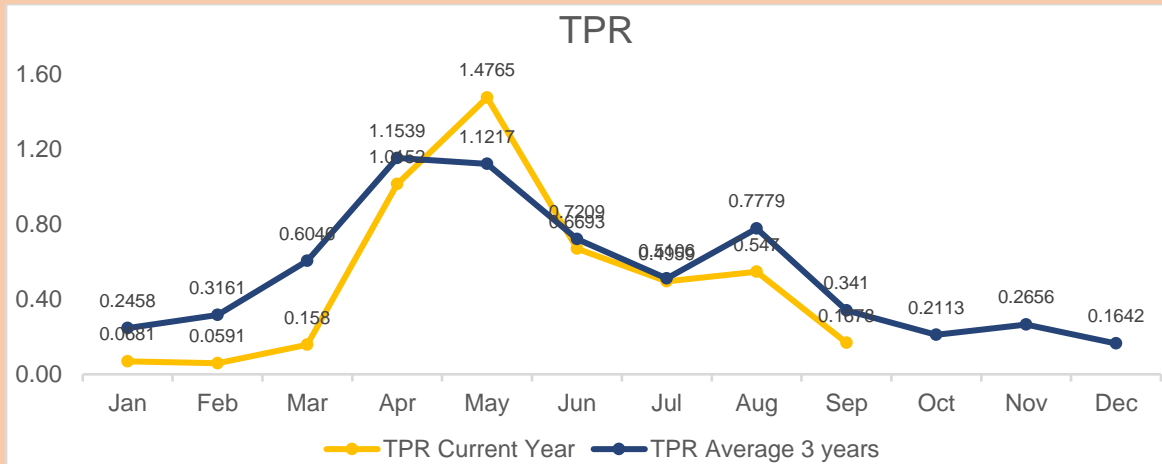
There is a decline of BSE by 40.0% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decline of BSE by 28.6% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN ANDAMAN & NICOBAR



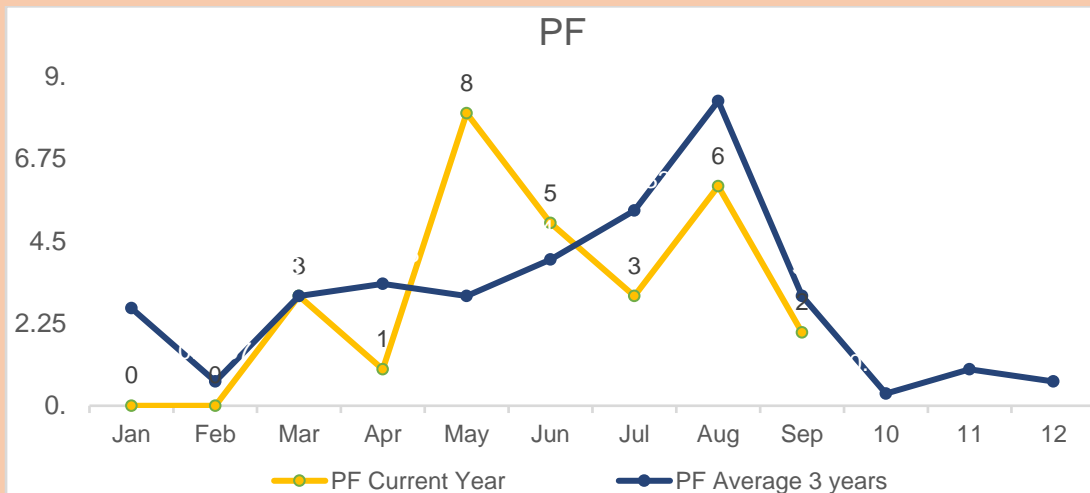
There is a decline of TPC by 67.2% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decrease of TPC by 54.7% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN ANDAMAN & NICOBAR



The TPR was 0.4 during (Jan-Sep) 2020, 0.7 for three years average cumulative of Jan-Sep and 0.6 during (Jan-Sep) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN ANDAMAN & NICOBAR



There is a decline of PF by 34.4% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decrease of PF by 41.7% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

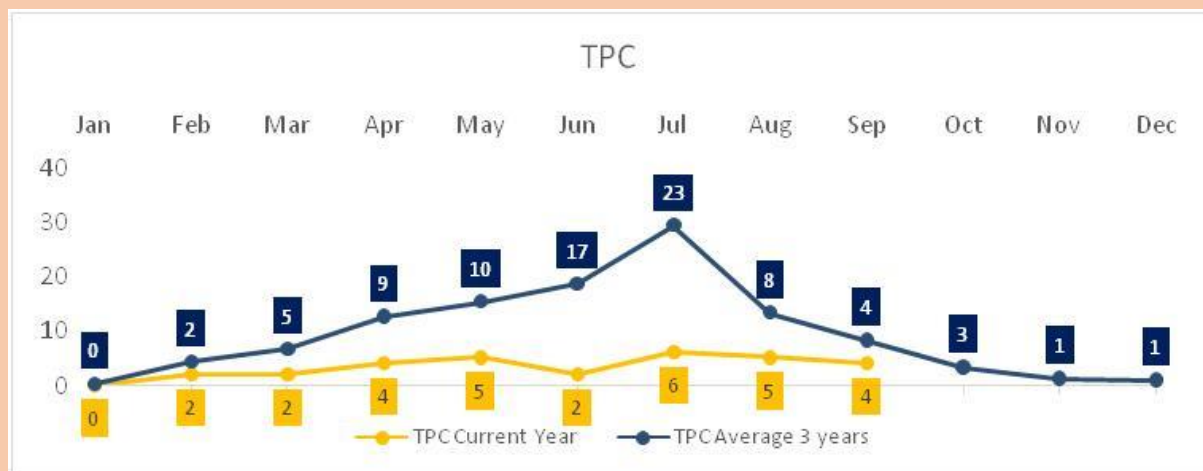
3) DADRA & NAGAR HAVELI

GRAPH 1: MONTH WISE TREND OF BSE IN DADRA & NAGAR HAVELI



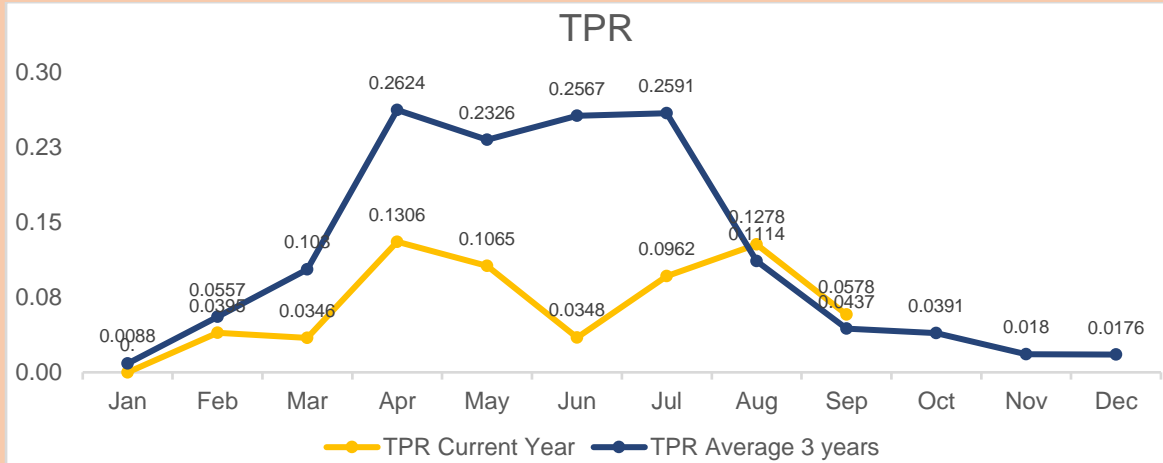
There is a decline of BSE by 16.1% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is also a decline of BSE by 25.9% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN DADRA & NAGAR HAVELI



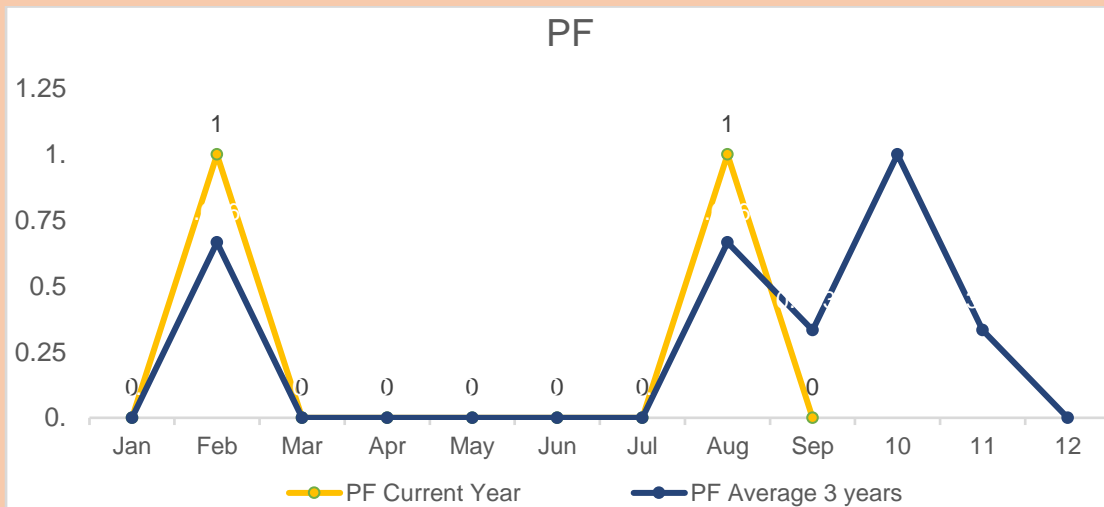
There is a decline of TPC by 80.7% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is also a decline of TPC by 33.3% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN DADRA & NAGAR HAVELI



The TPR was same 0.06 during (Jan-Sep) 2020, 0.28 for three years average cumulative of Jan-Sep and 0.07 during (Jan-Sep) 2019.

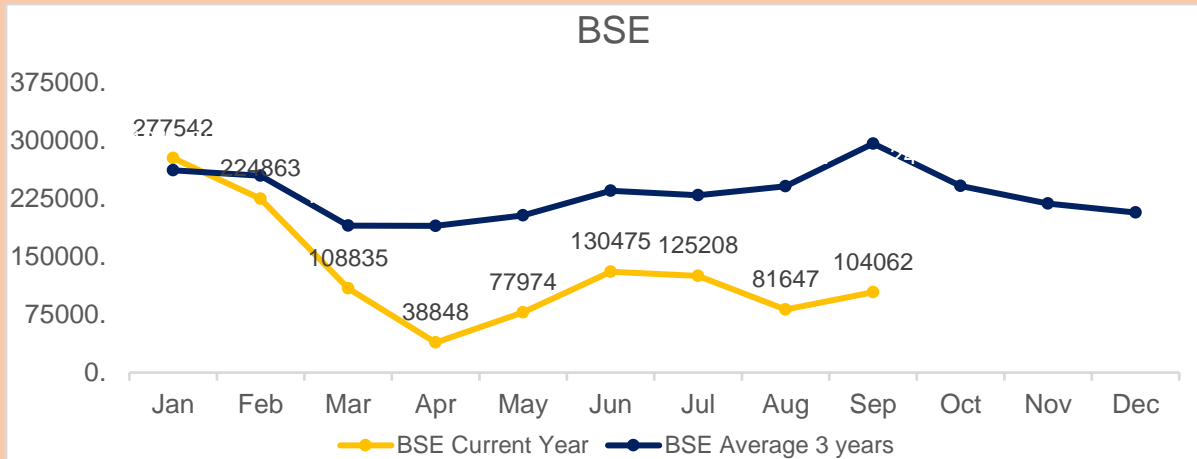
GRAPH 4: MONTH WISE TREND OF PF IN DADRA & NAGAR HAVELI



2 Pf cases were reported during (Jan-Sep) 2020, 4 for three years average cumulative of Jan-Sep and 0 during (Jan-Sep) 2019.

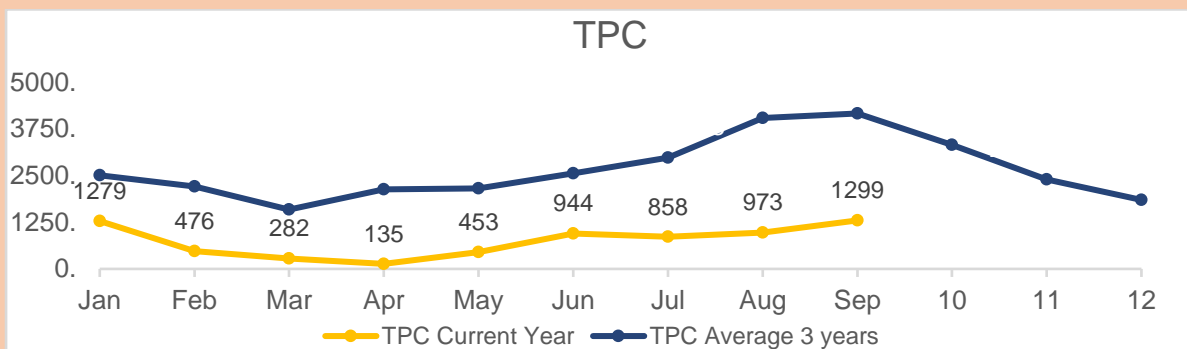
4) JHARKHAND

GRAPH 1: MONTH WISE TREND OF BSE IN JHARKHAND



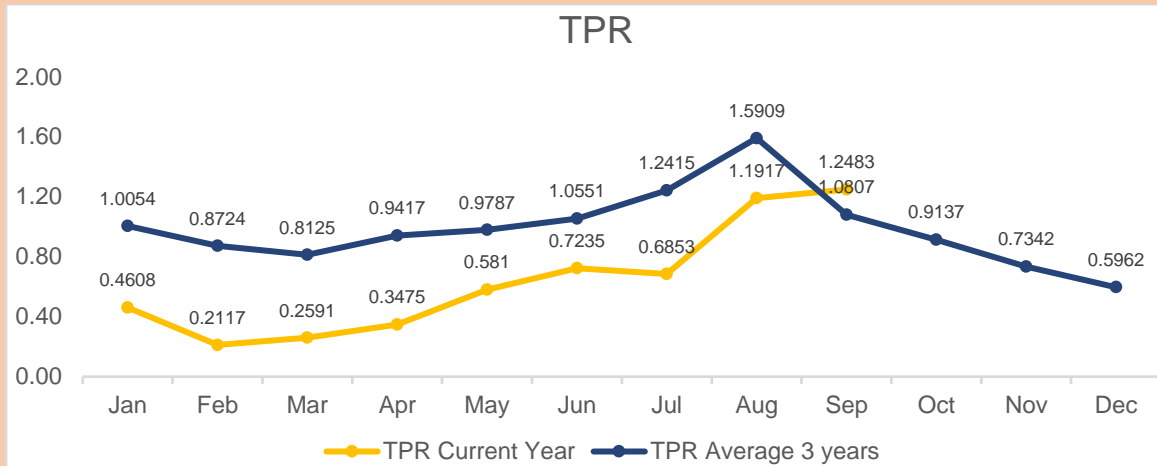
There is a decline of BSE by 54.2% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is also a decline of BSE by 60.1% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN JHARKHAND



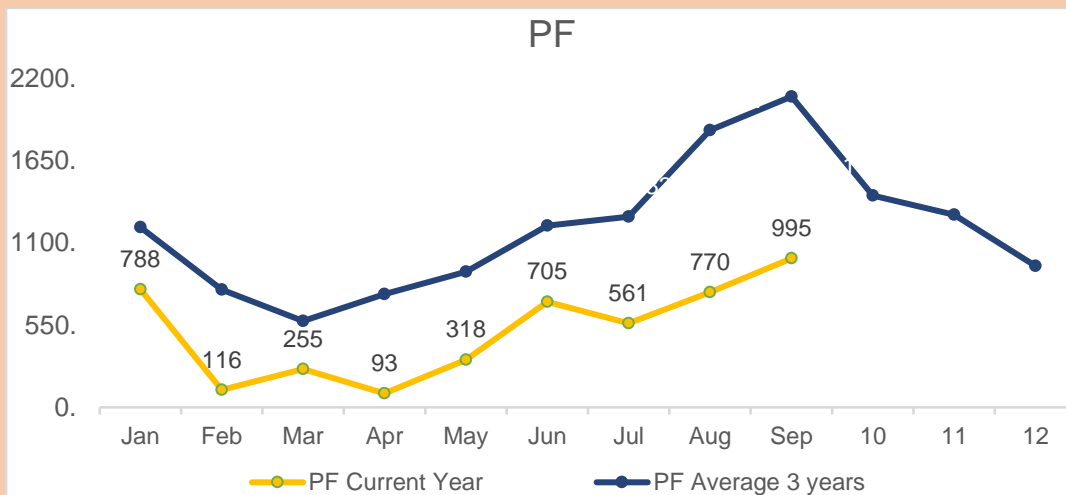
There is a decline of TPC by 85.6% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decrease of TPC by 75.8% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN JHARKHAND



The TPR was 0.57 during (Jan-Sep) 2020 as compared to 1.82 for three years average cumulative of Jan-Sep. The TPR was 0.94 during (Jan-Sep) 2019.

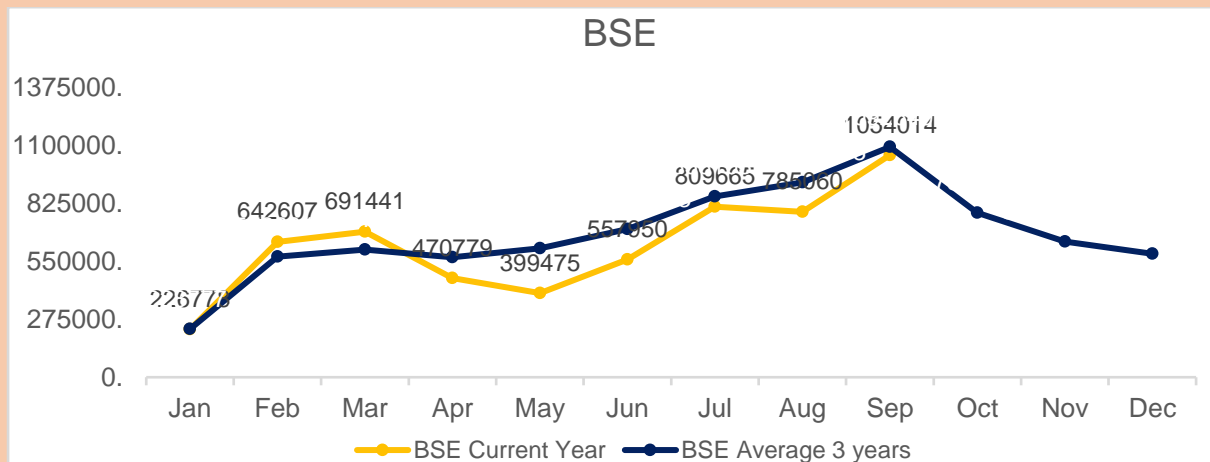
GRAPH 4: MONTH WISE TREND OF PF IN JHARKHAND



There is a decline of PF by 76.9% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decline of PF by 65.9% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

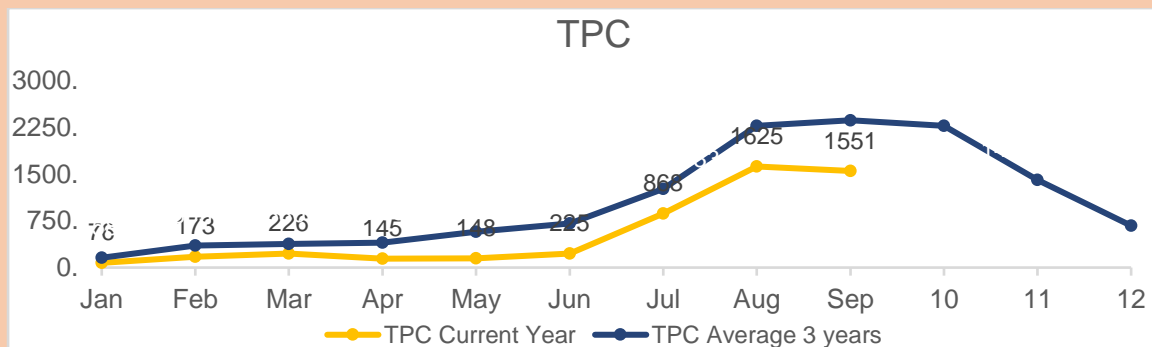
5) MADHYA PRADESH

GRAPH 1: MONTH WISE TREND OF BSE IN MADHYA PRADESH



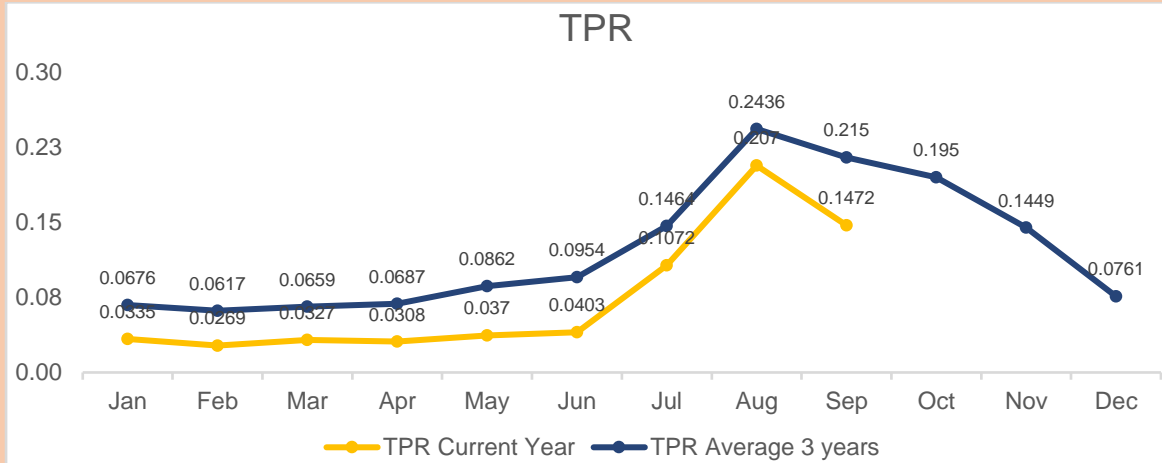
There is a decline of BSE by 14.0% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is also a decline of BSE by 13.9% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN MADHYA PRADESH



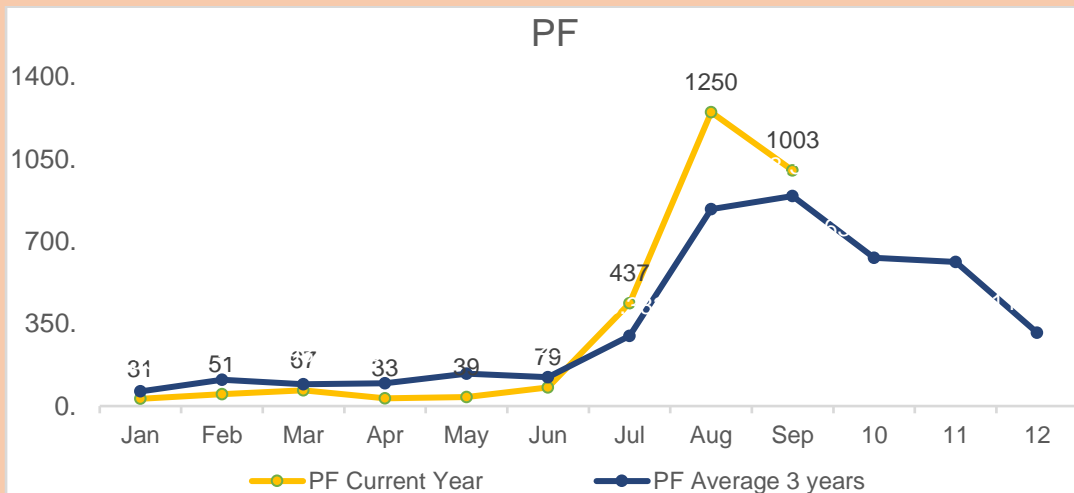
There is a decline of TPC by 70.4% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decrease of TPC by 44.4% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN MADHYA PRADESH



The TPR was 0.09 during (Jan-Sep) 2020 as compared to 0.26 for three years average cumulative of Jan-Sep. The TPR was 0.14 during (Jan-Sep) 2019.

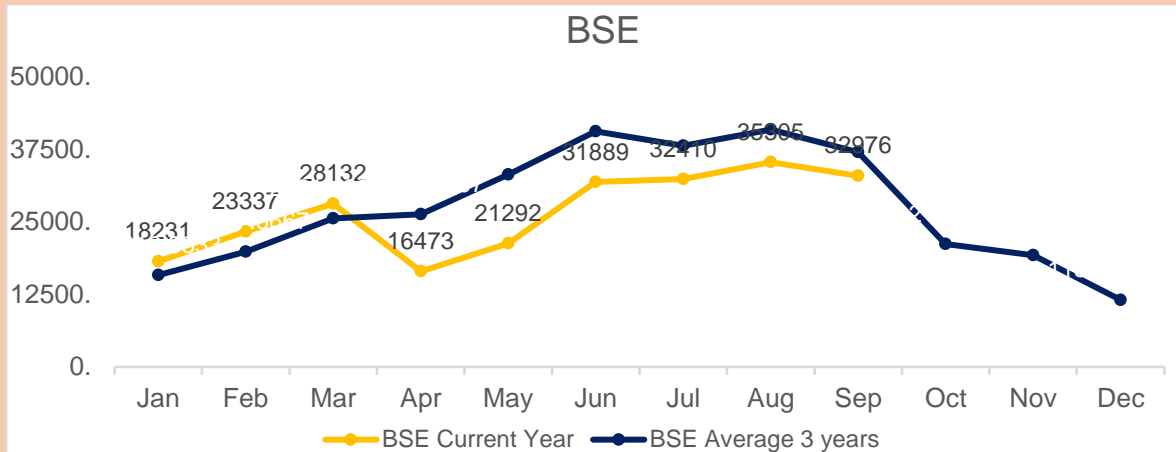
GRAPH 4: MONTH WISE TREND OF PF IN MADHYA PRADESH



There is a decline of 22.9% in Pf cases during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is an increase of PF by 50.6% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019

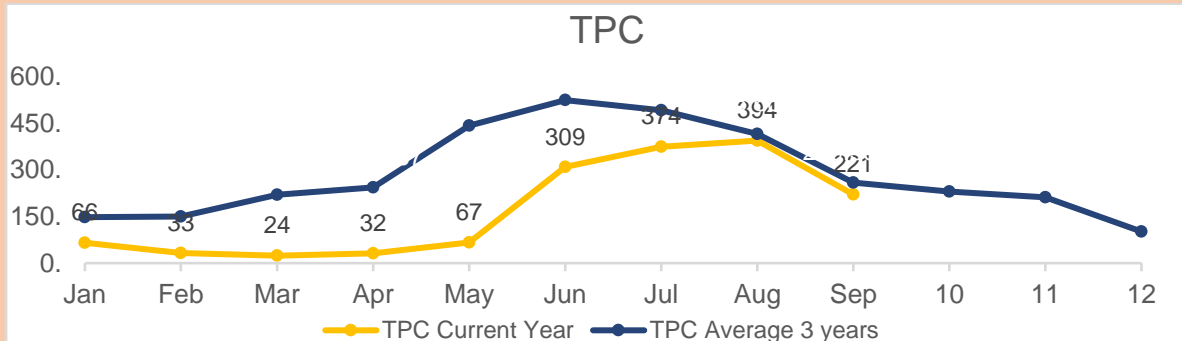
6) MEGHALAYA

GRAPH 1: MONTH WISE TREND OF BSE IN MEGHALAYA



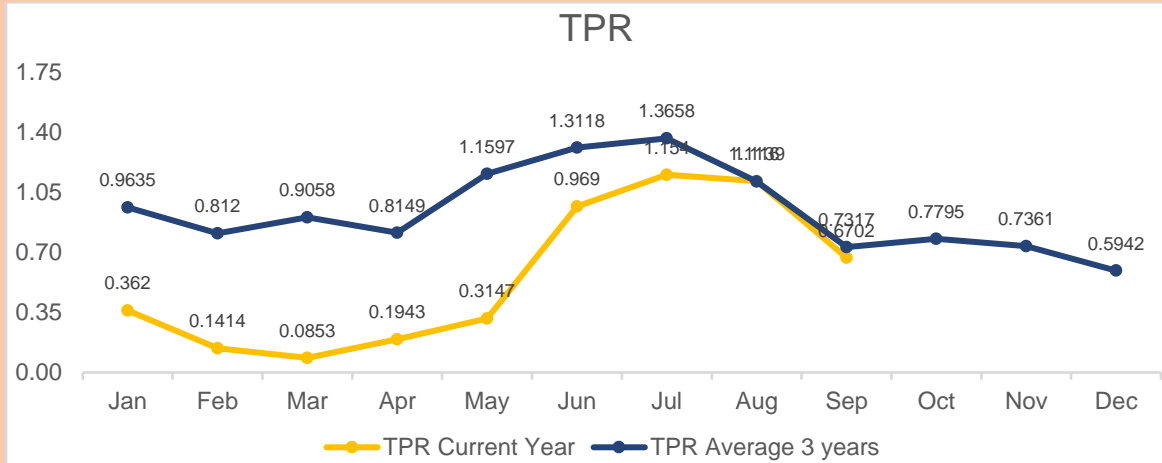
There is a decline of BSE by 22.5% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is also a decline of BSE by 26.5% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN MEGHALAYA



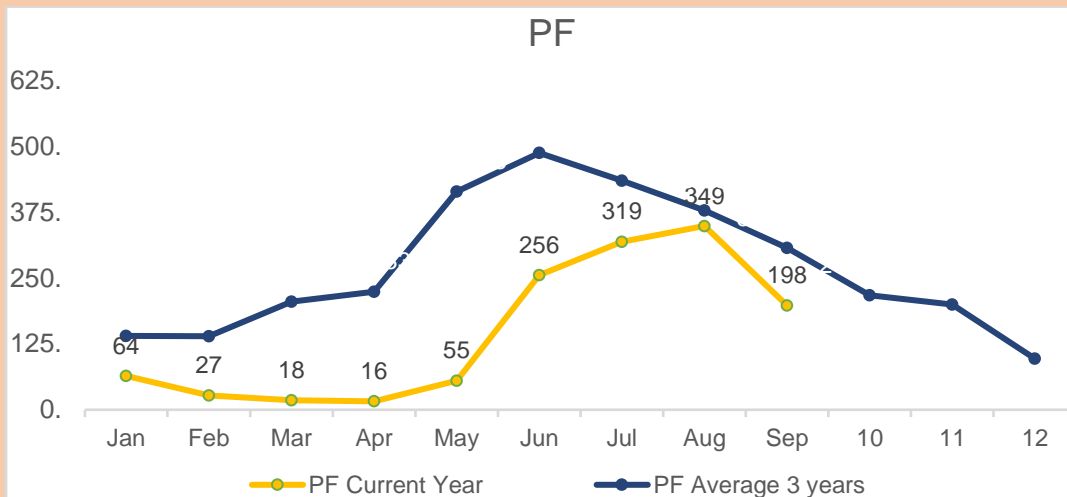
There is a decline of TPC by 78.6% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decrease of TPC by 12.8% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN MEGHALAYA



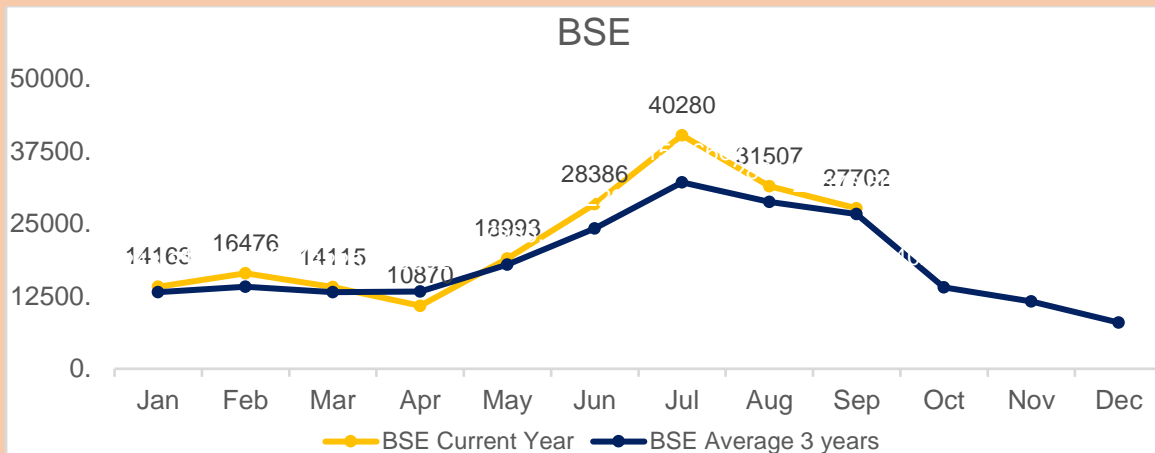
The TPR was 0.63 during (Jan-Sep) 2020 as compared to 2.29 for three years average cumulative of Jan-Sep. The TPR was 0.53 during (Jan-Sep) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN MEGHALAYA



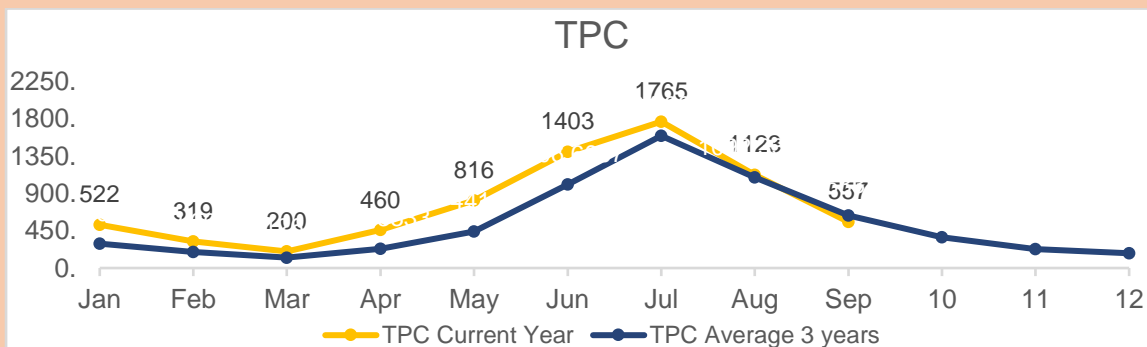
There is a decline of PF by 79.9% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decline of PF by 15.9% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019

GRAPH 1: MONTH WISE TREND OF BSE IN MIZORAM



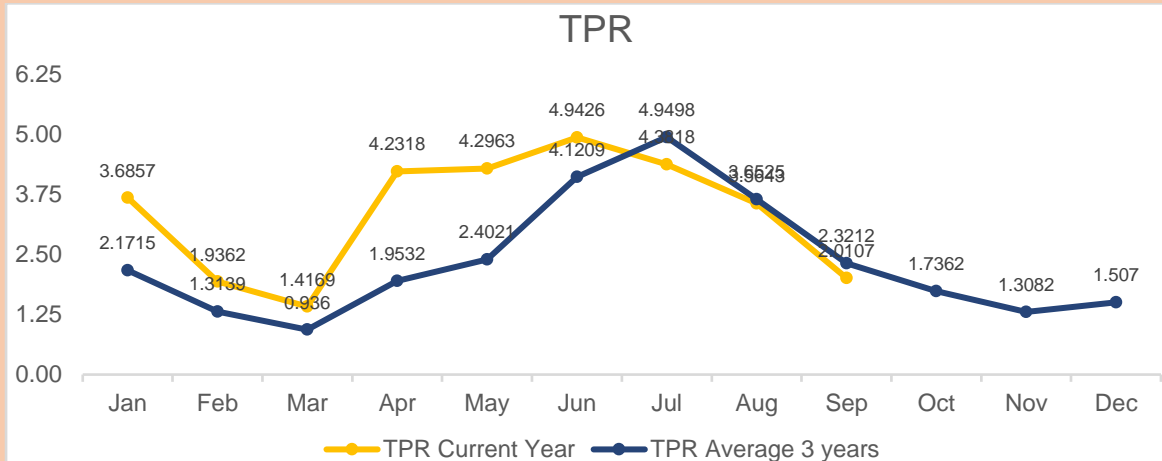
There is an increase of BSE by 18.5% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is also an increase of BSE by 12.9% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN MIZORAM



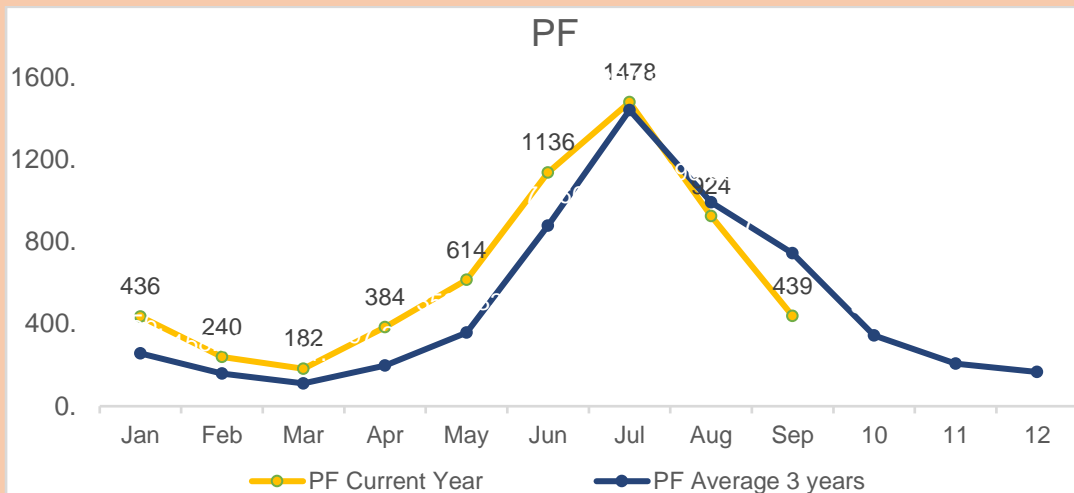
There is an increase of TPC by 46% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is an increase of TPC by 4.7% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN MIZORAM



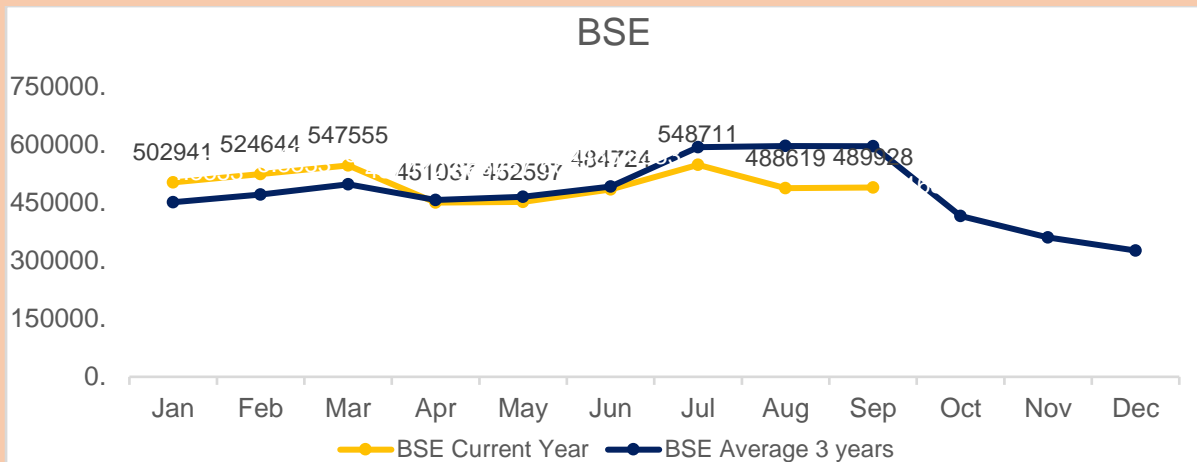
The TPR was 3.54 during (Jan-Sep) 2020 as compared to 2.9 for three years average cumulative of Jan-Sep. The TPR was 3.8 during (Jan-Sep) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN MIZORAM



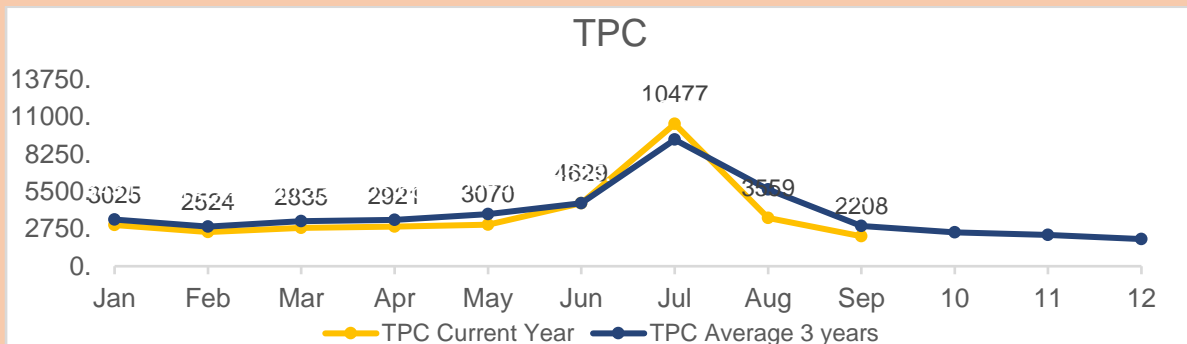
There is an increase in Pf cases by 30.1% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decline in Pf cases by 9.9% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019

GRAPH 1: MONTH WISE TREND OF BSE IN ODISHA



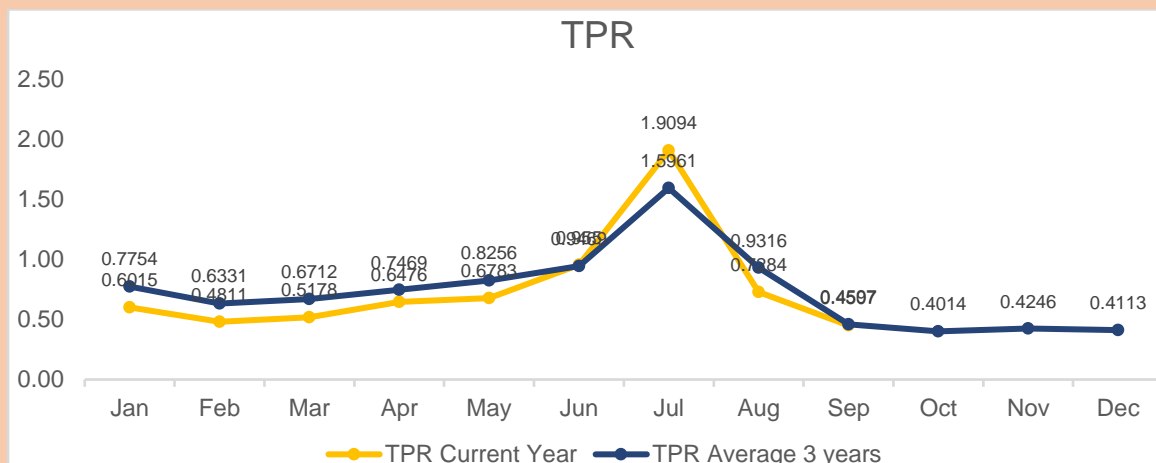
There is a decline of BSE by 7.8% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is also a decline of BSE by 6.7% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN ODISHA



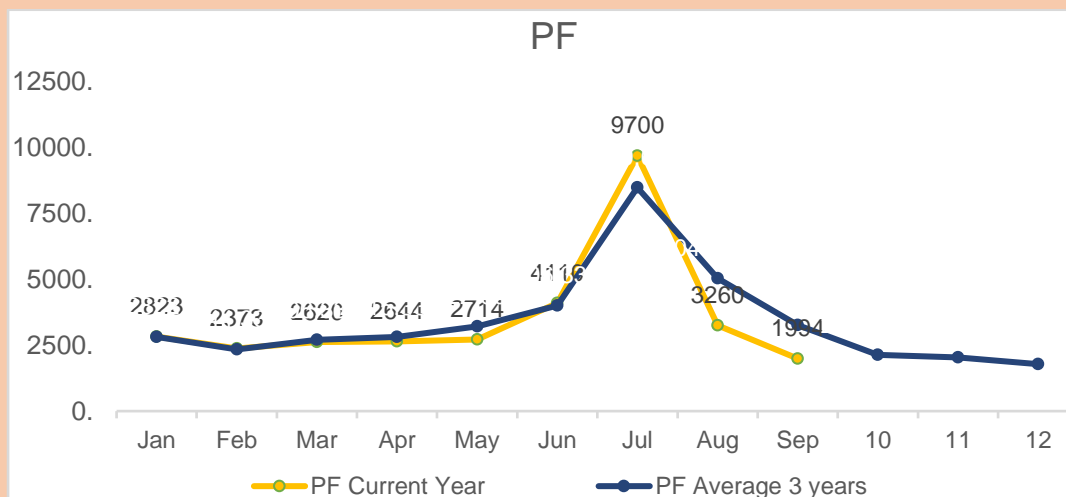
There is a decline in TPC by 74.2% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is an increase of TPC by 17.0% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN ODISHA



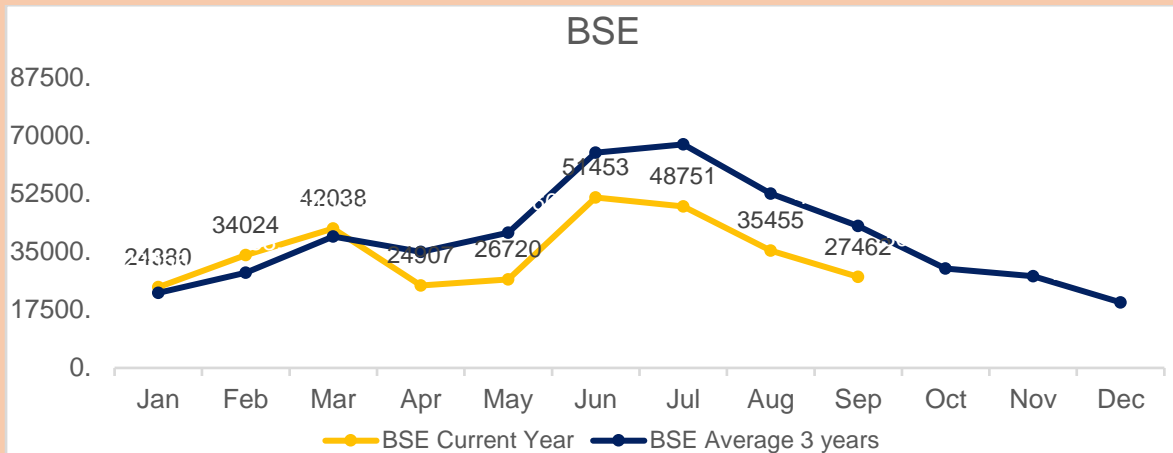
The TPR was 0.8 during (Jan-Sep) 2020 as compared to 2.8 for three years average cumulative of Jan-Sep. The TPR was 0.6 during (Jan-Sep) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN ODISHA



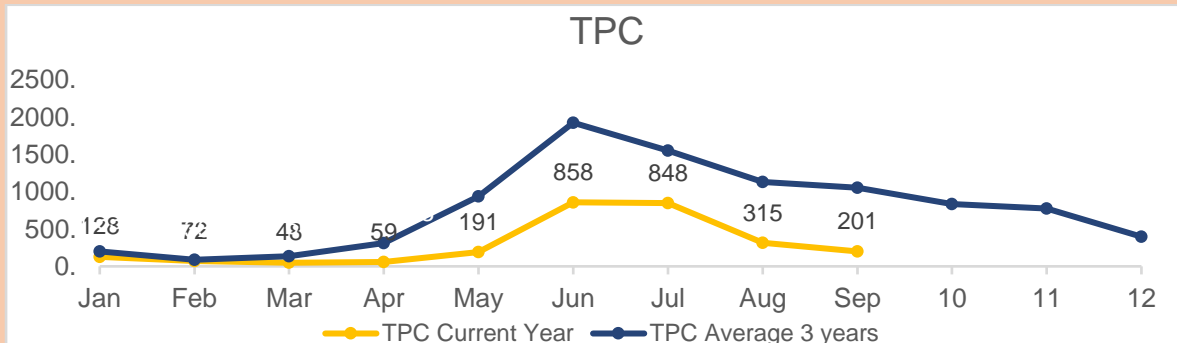
There is a decline of PF by 72.1% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is an increase of PF by 18.7% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019

GRAPH 1: MONTH WISE TREND OF BSE IN TRIPURA



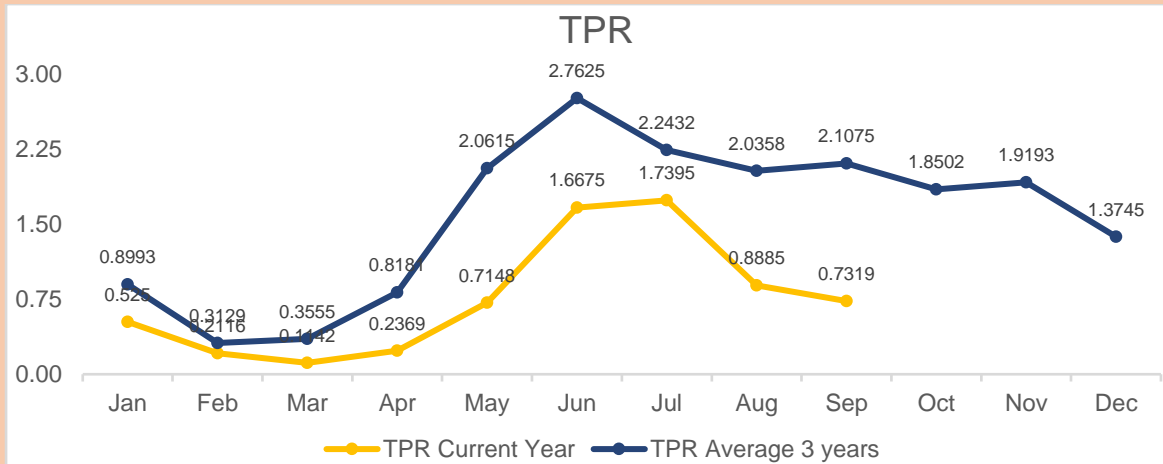
There is a decline of BSE by 18.2% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is also a decline of BSE by 36.8% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN TRIPURA



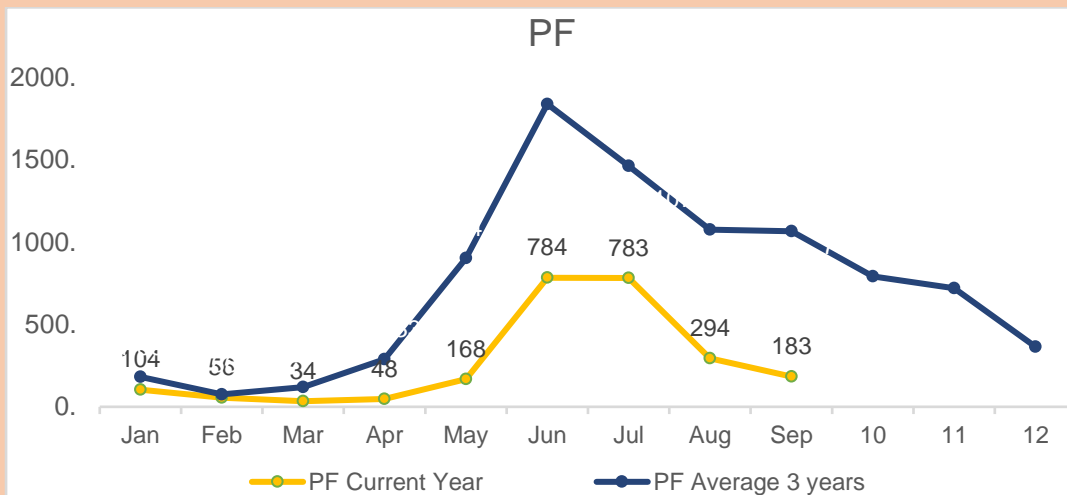
There is a decline of TPC by 67.5% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decrease of TPC by 73.4% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN TRIPURA



The TPR was 0.9 during (Jan-Sep) 2020 as compared to 2.2 for three years average cumulative of Jan-Sep. The TPR was 2.0 during (Jan-Sep) 2019.

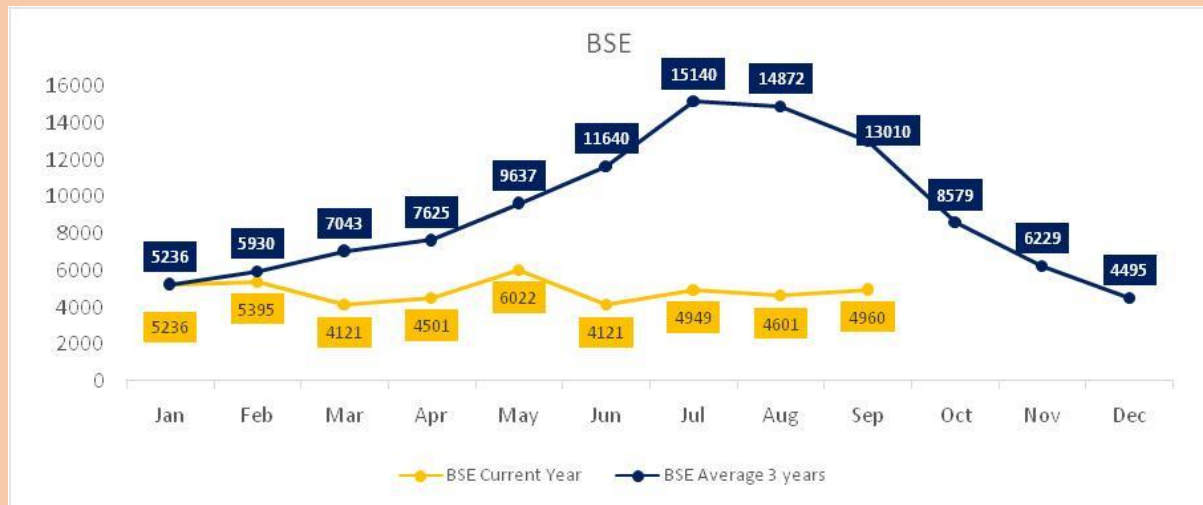
GRAPH 4: MONTH WISE TREND OF PF IN TRIPURA



There is a decline of PF by 69.1% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decline of PF by 74.5% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019

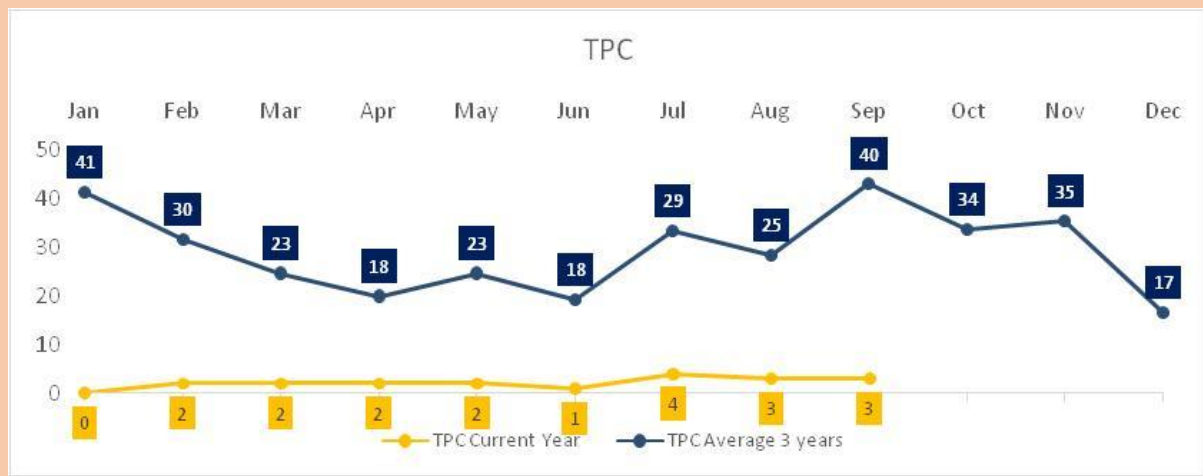
10) ARUNACHAL PRADESH

GRAPH 1: MONTH WISE TREND OF BSE IN ARUNACHAL PRADESH



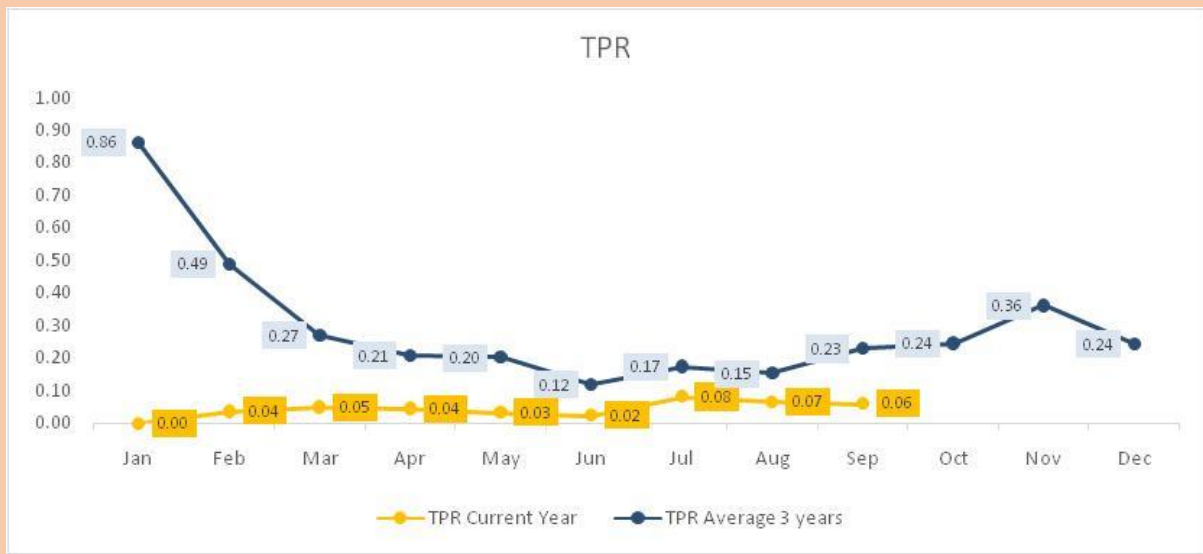
There is a decline of BSE by 61.8% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is also a decline of BSE by 60.8% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN ARUNACHAL PRADESH



There is a decline of TPC by 97.3% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decrease of TPC by 88.4% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN ARUNACHAL PRADESH



The TPR was 0.04 during (Jan-Sep) 2020 as compared to 0.6 for three years average cumulative of Jan-Sep. The TPR was 0.2 during (Jan-Sep) 2019.

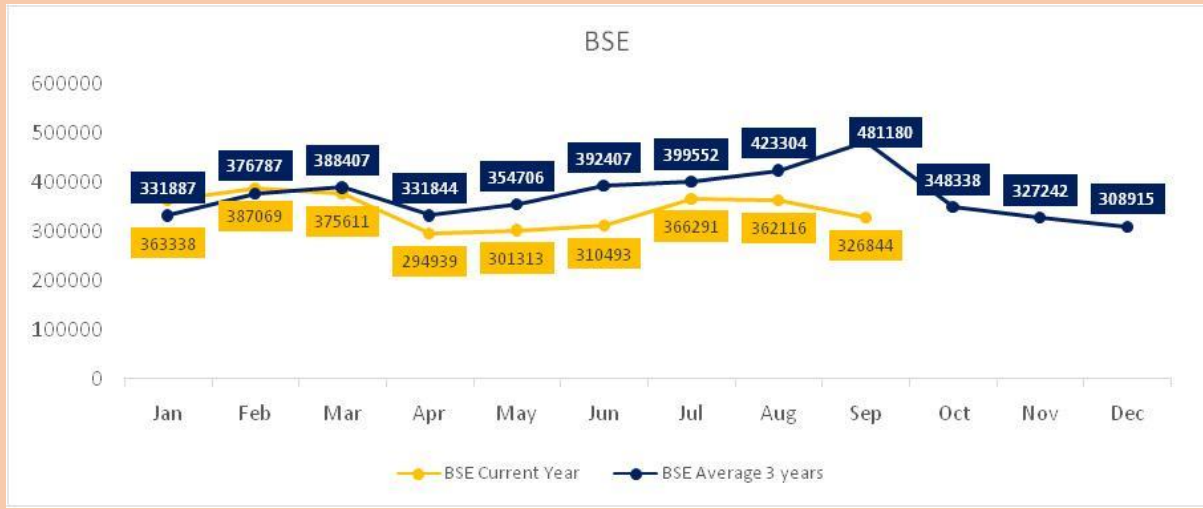
GRAPH 4: MONTH WISE TREND OF PF IN ARUNACHAL PRADESH



There is a decline of PF by 96.8% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decline of PF by 66.7% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

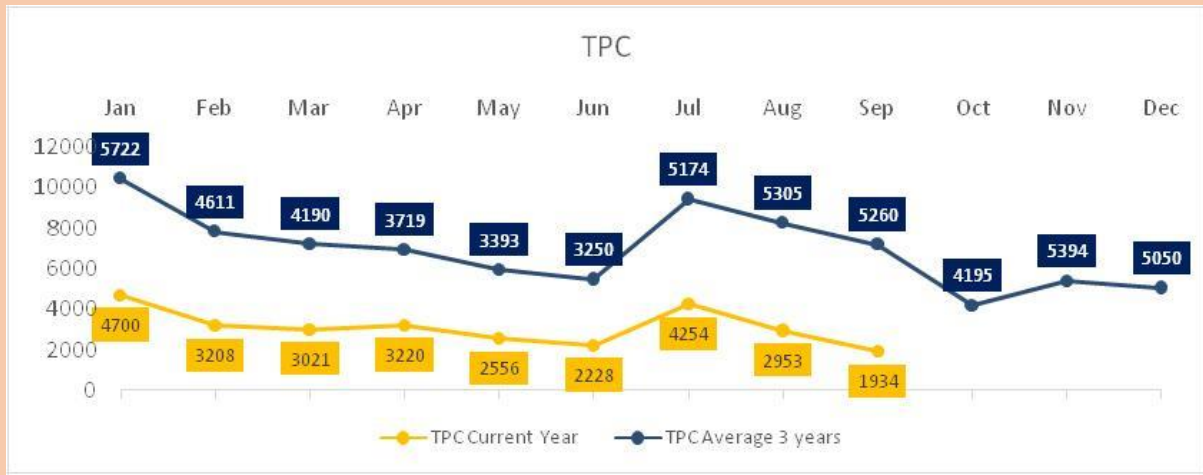
11) CHHATTISGARH

GRAPH 1: MONTH WISE TREND OF BSE IN CHHATTISGARH



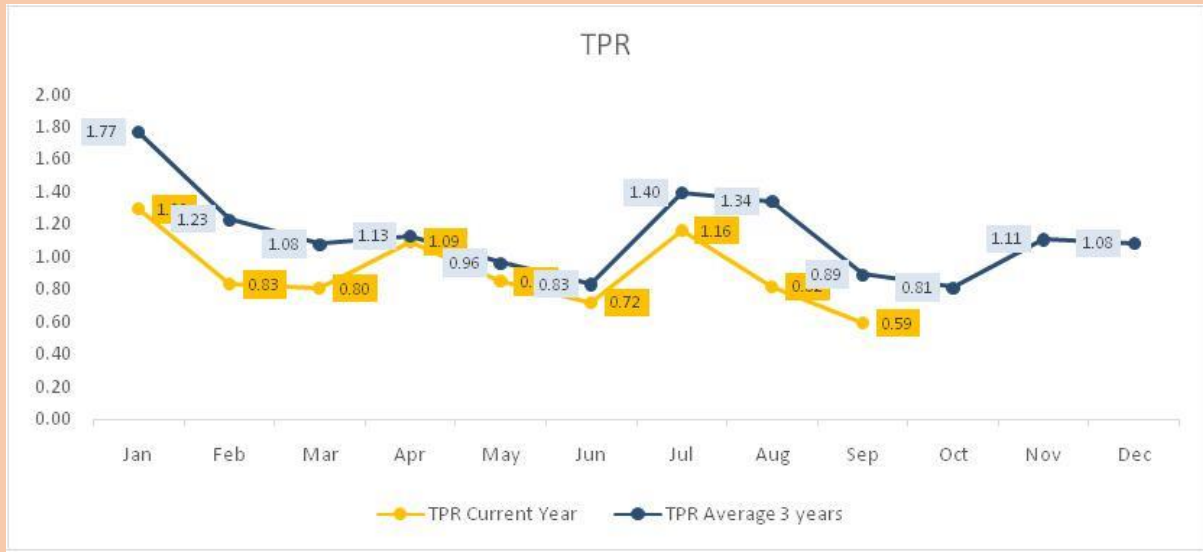
There is a decline of BSE by 16.6% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is also a decline of BSE by 27.9% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN CHHATTISGARH



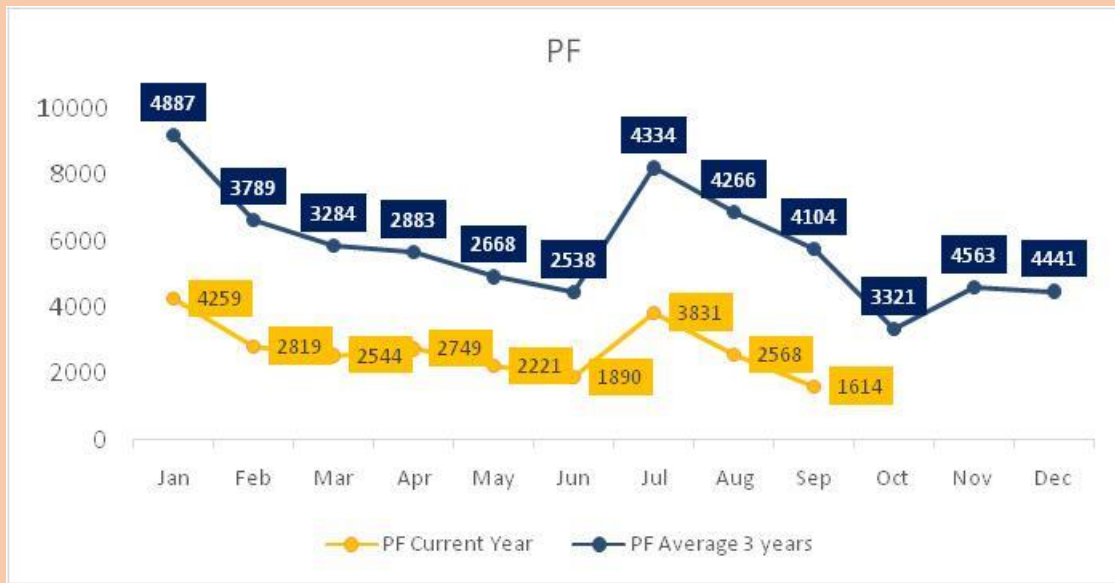
There is a decline of TPC by 55.7% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decrease of TPC by 36.0% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN CHHATTISGARH



The TPR was 0.9 during (Jan-Sep) 2020 as compared to 1.7 for three years average cumulative of Jan-Sep. The TPR was 1.0 during (Jan-Sep) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN CHHATTISGARH



There is a decline of PF by 51.4% during (Jan-Sep) 2020 as compared to three years average cumulative of Jan-Sep. There is a decline of PF by 30.5% in (Jan-Sep) 2020 vis-à-vis (Jan-Sep) 2019

S. N	Area	Indicator
1.	Surveillance/ case finding	No. of Fever cases, No. of Malaria cases, No. of Pf cases
2	Surveillance/ case finding	Monthly Blood Smear Examination Rate (ABER) (should be more than 1% of population)
3	Surveillance/ case finding	Annual Blood Smear Examination Rate (ABER) (should be more than 10% of population)
4	Disease burden & impact	Annual Parasite Incidence (API)
5	Disease burden & impact	Annual Falciparum Incidence (AFI)
6	Disease burden & impact	Slide Positivity rate (SPR): Is independent of surveillance activity, therefore a better indicator for impact assessment
7	Disease burden & impact	Slide falciparum Rate (SFR): It is independent of surveillance and indicates Pf preponderance
8	Disease burden & impact	Pf Percentage (Pf %): Indicates trends in proportion of cases due to Pf out of total cases
9	Input	Nos of RDTs & ACTs Planned versus Received & used
10	Input	% of spray Equipment in working condition
11	Input	% of Spray workers trained
12	Process	% of facilities (SC and PHC) / village level functionaries (ASHA, AWW) reporting stock-out of antimalarials lasting more than 15 days during the quarter
13	Process	% of MPH/ASHA/other volunteers trained for use of RDT / ACT
14	Process	% of Diagnostic facilities functional with microscopy/RDT in the last reporting period
15	Output	Nets treated once/twice in a year
16	Output	% of Eligible Villages Covered by LLINs Should be 80% or more
17	Output	Insecticide use
18	Outcome	IRS Coverage – Population (%) Should be 80% or more
19	Outcome	IRS Coverage – Rooms %
20	Outcome	% of fever cases who were tested for malaria by microscopy/ RDT with a positive test result for RDT and were started on treatment no later than the next day with ACT

21	Outcome	% of households in which beneficiaries reported having slept under ITNs/ LLINs previous night
22	Outcome	% of PHC sampled in which utilization of ITNs/ LLINs was more than 80%