



National Center for Vector Borne Diseases Control
Directorate General of Health Services
Ministry of Health & Family Welfare, Government of India



MONTHLY MALARIA SITUATION

CATEGORY – II

STATES/UTs



Monitoring and Evaluation Division

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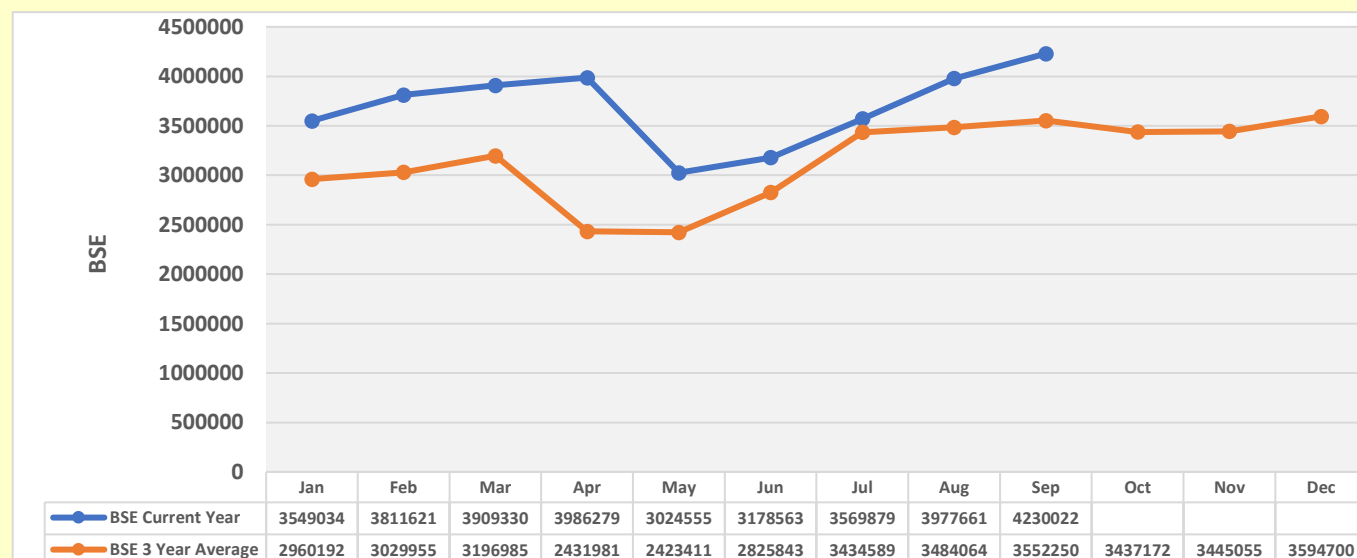
State categorization as per API 2021 status.

INTRODUCTION AND SUMMARY SHEET FOR CATEGORY II

The surveillance information of Malaria of October, 2023 in Category II States/UTs is enclosed in this Monthly Malaria Situation Information Report. The various indicators analyzed in this report are *BSE, *TPC, *TPR & *PF.

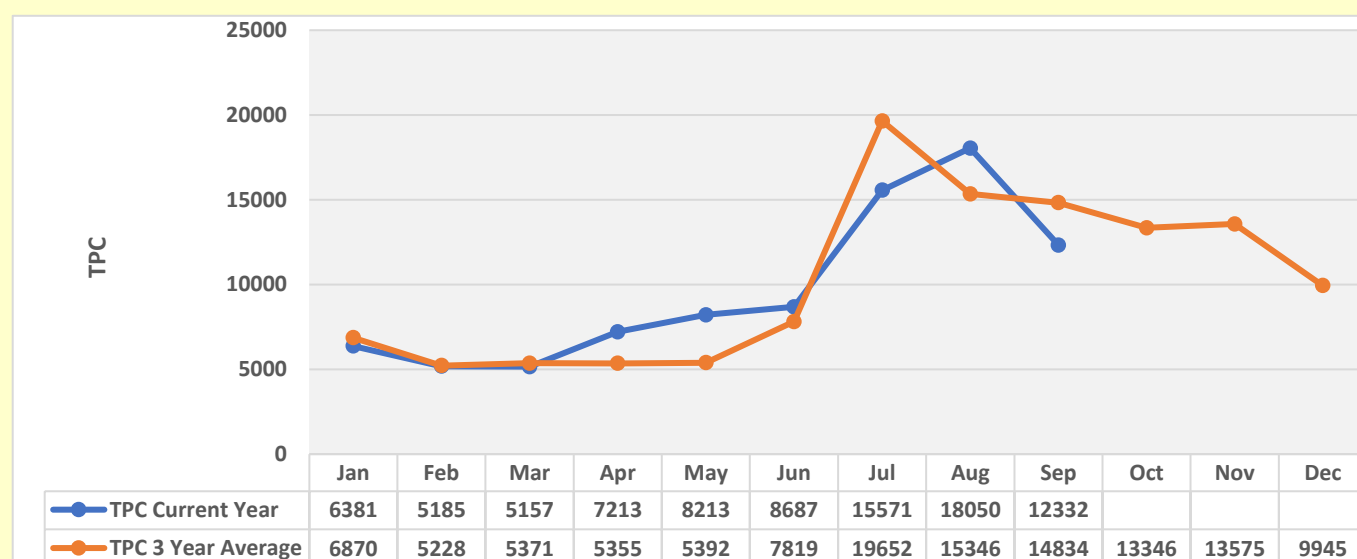
*BSE (Blood Slide Examination), TPC (Total Positive Cases), PF (Plasmodium falciparum) and TPR (Total Positivity Rate).

GRAPH 1: MONTH WISE TREND OF BSE IN CATEGORY II STATES/UTs



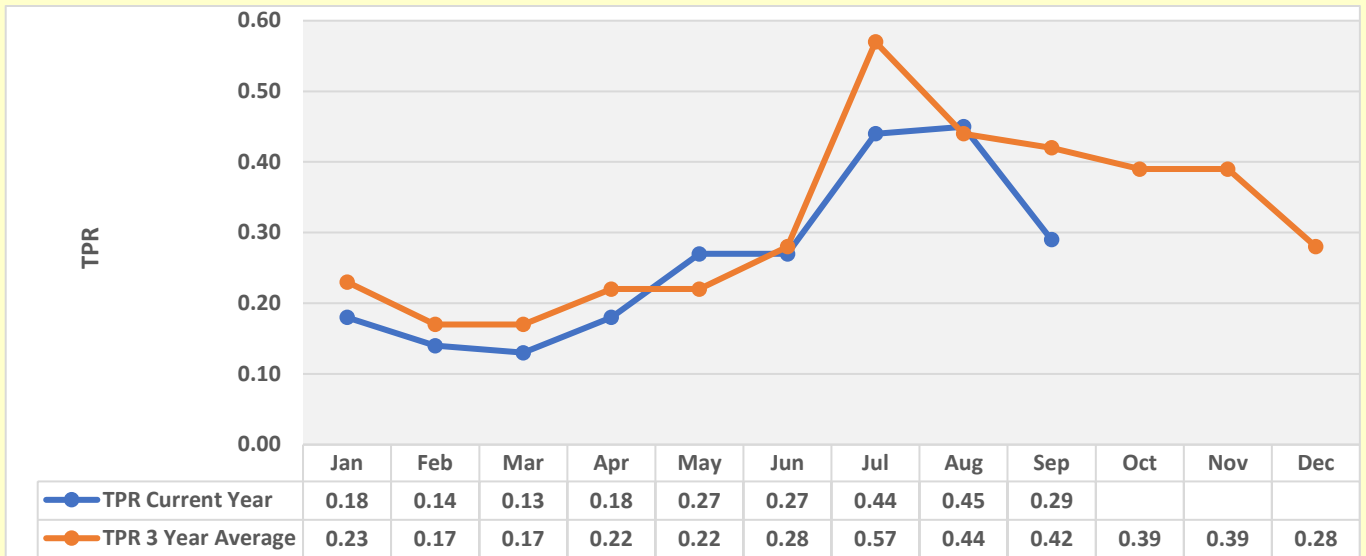
There is an increase of BSE by 20.99% up to October, 2023 as compared to last three years average cumulative but a decrease of BSE by 1.93% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 2: MONTH WISE TREND OF TPC IN CATEGORY II STATES/UTs



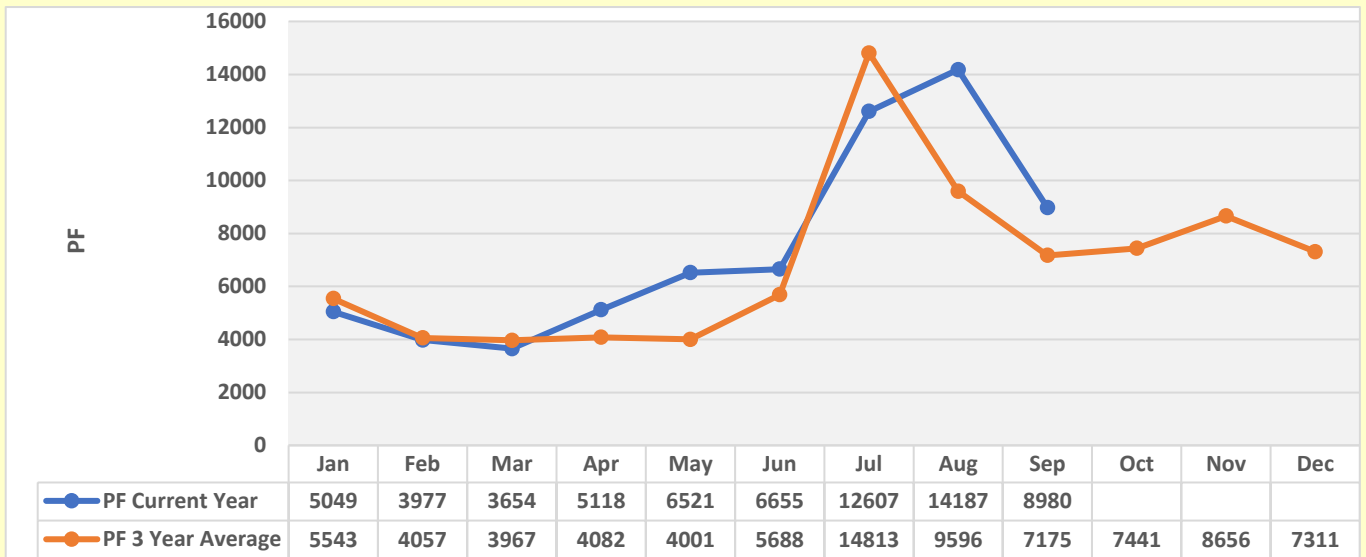
There is a decrease of TPC by 4.12% up to October, 2023 as compared to last three years average cumulative and also a decrease of TPC by 11.9% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 3: MONTH WISE TREND OF TPR IN CATEGORY II STATES/UTs



The TPR was 0.26 up to October, 2023 as compared to 0.33 last three years average and 0.28 up to October, 2022

GRAPH 4: MONTH WISE TREND OF PF IN CATEGORY II STATES/UTs



There is an increase of PF by 9.15% up to October, 2023 as compared to last three years average cumulative and also an increase of PF by 15.85% up to October, 2023 vis-à-vis up to October, 2022.

List of Districts showing a decrease in Surveillance in Category II States/UTs

SN	States/UTs	Districts/Units showing decrease in Surveillance
1	Chhattisgarh	Sukma, RajnandGaon, Raigarh, Korea, Janjgir-Champa
2	Jharkhand	Jamtara, Deoghar
3	Maharashtra	Raigad, Latur
4	Meghalaya	West Khasi Hills
5	West Bengal	Jalpaiguri, Alipurduar

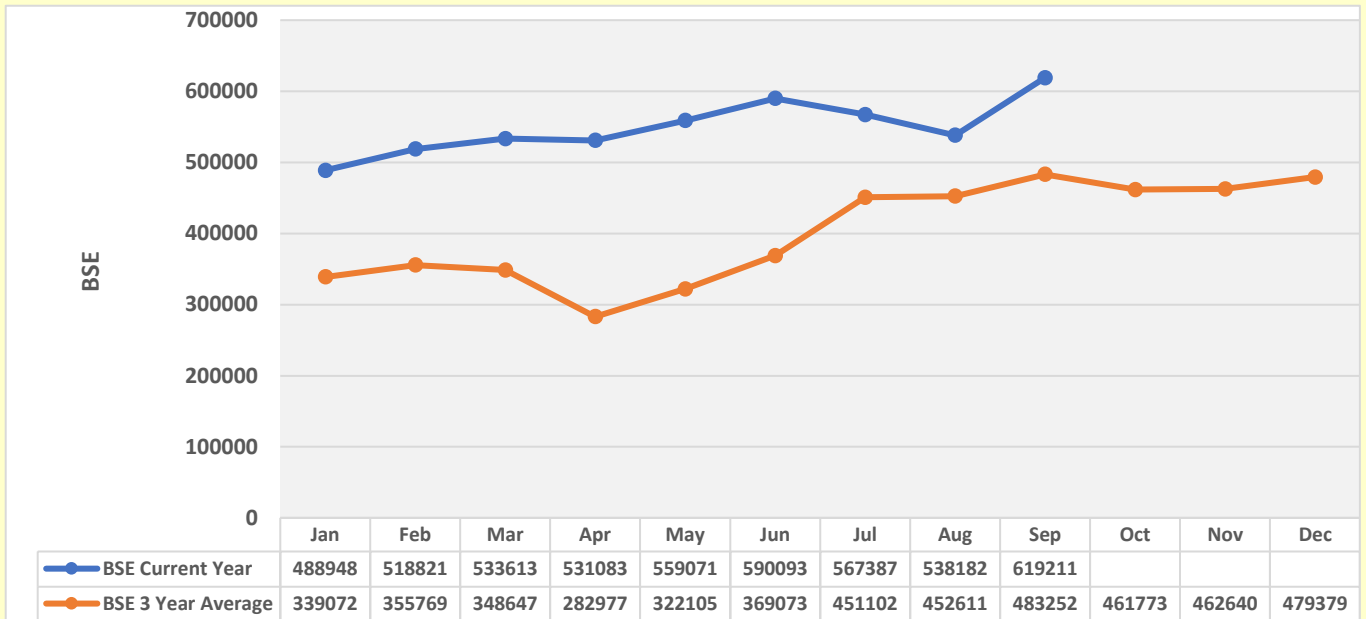
Current month data is compared with same month previous year data.

Action points for all Category II States/UTs:

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

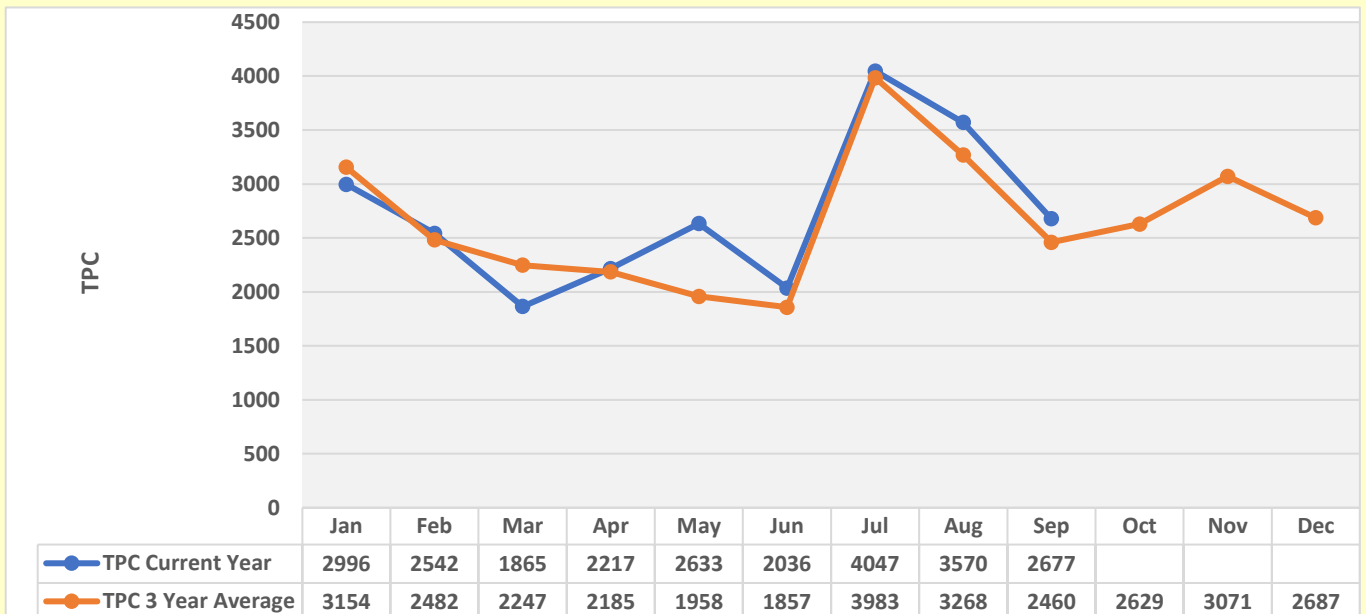
CHHATTISGARH

GRAPH 1: MONTH WISE TREND OF BSE IN CHHATTISGARH



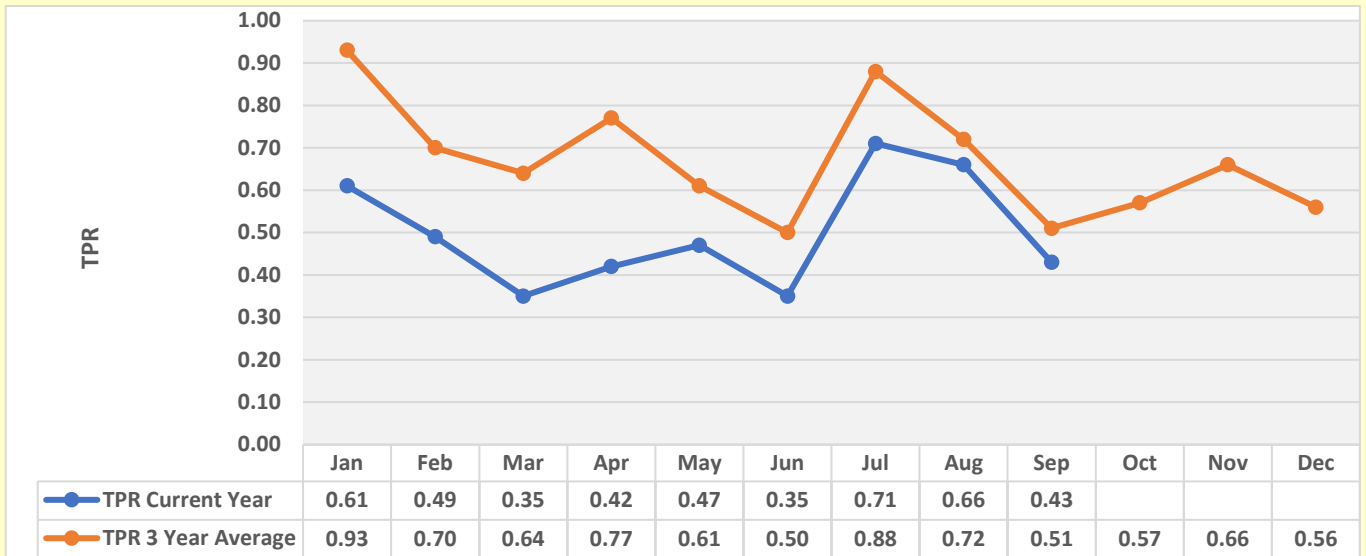
There is an increase of BSE by 46.77% up to October, 2023 as compared to last three years average cumulative and also an increase of BSE by 23.67% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 2: MONTH WISE TREND OF TPC IN CHHATTISGARH



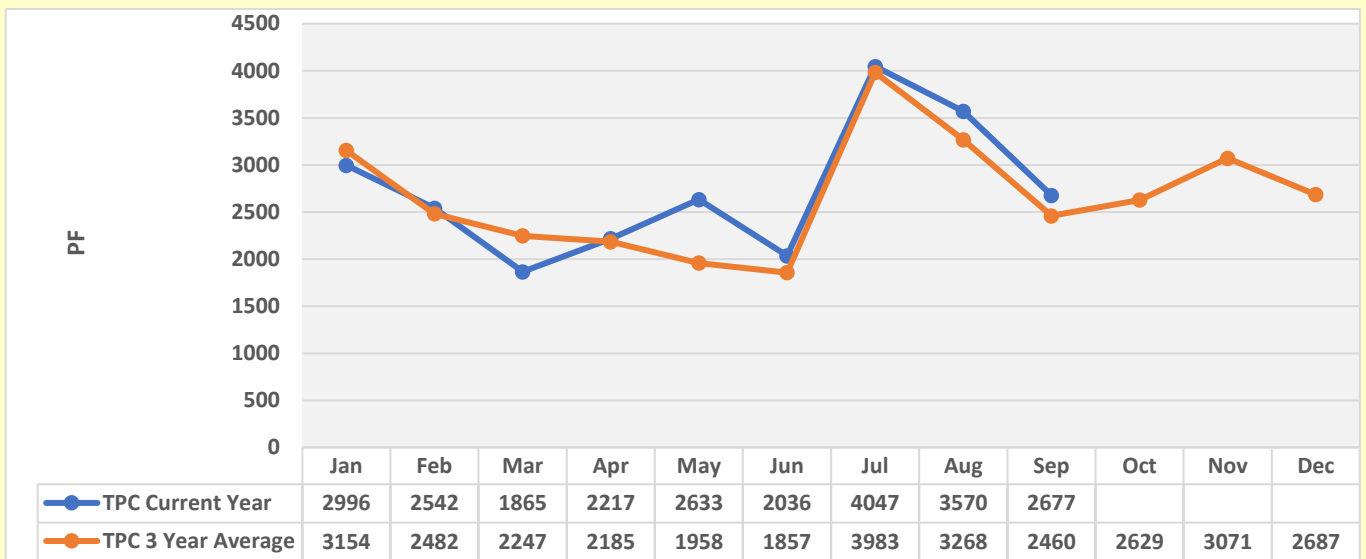
There is an increase of TPC by 2.88% up to October, 2023 as compared to last three years average cumulative and also an increase of TPC by 11.84% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 3: MONTH WISE TREND OF TPR IN CHHATTISGARH



The TPR was 0.48 up to October, 2023 as compared to 0.7 last three years average and 0.53 up to October, 2022

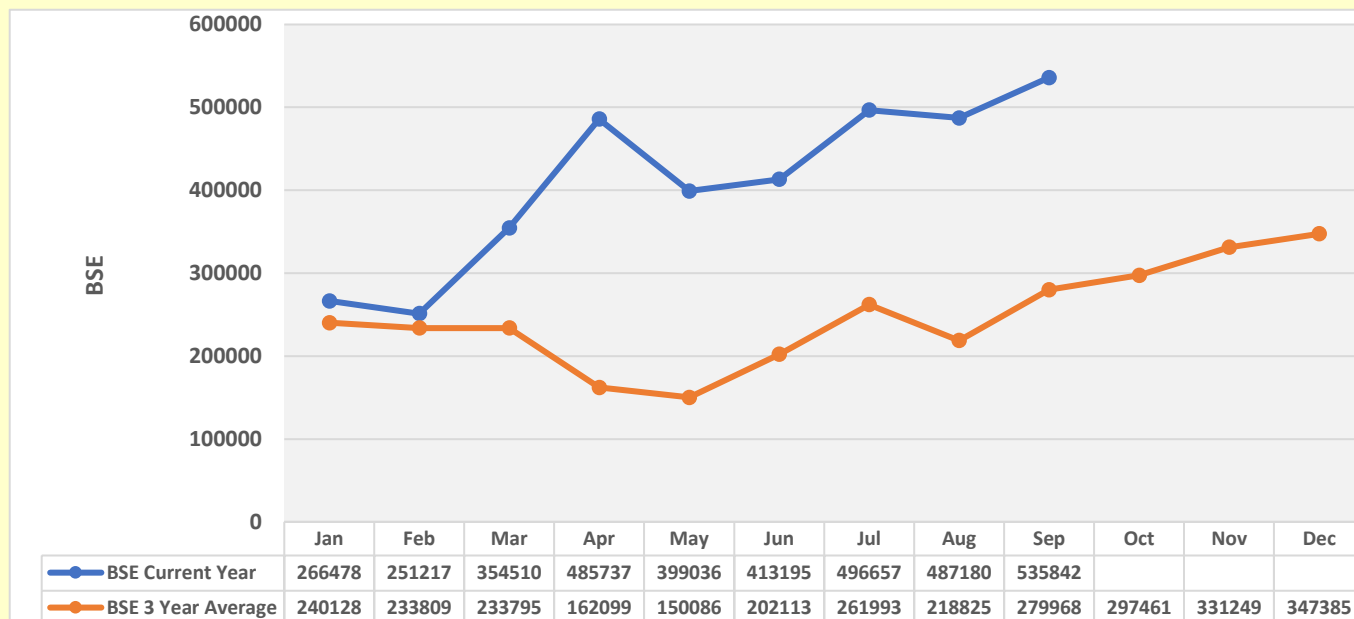
GRAPH 4: MONTH WISE TREND OF PF IN CHHATTISGARH



There is an increase of PF by 5.22% up to October, 2023 as compared to last three years average cumulative and also an increase of PF by 15.33% up to October, 2023 vis-à-vis up to October, 2022.

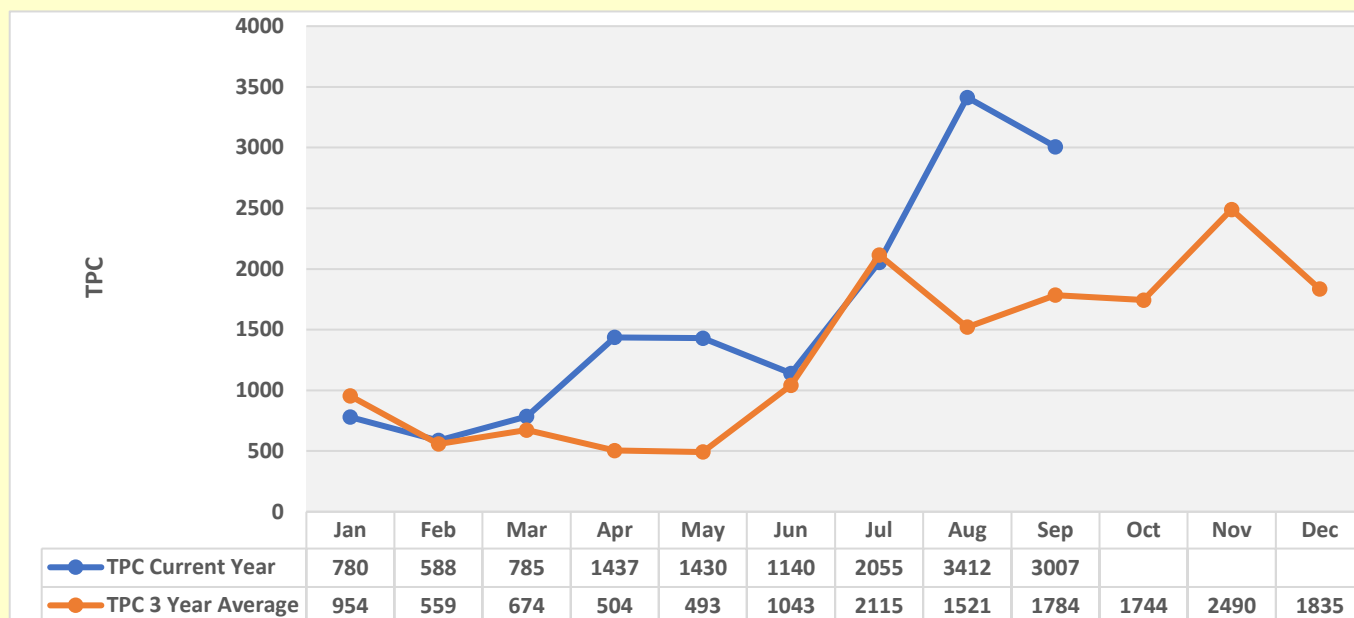
JHARKHAND

GRAPH 1: MONTH WISE TREND OF BSE IN JHARKHAND



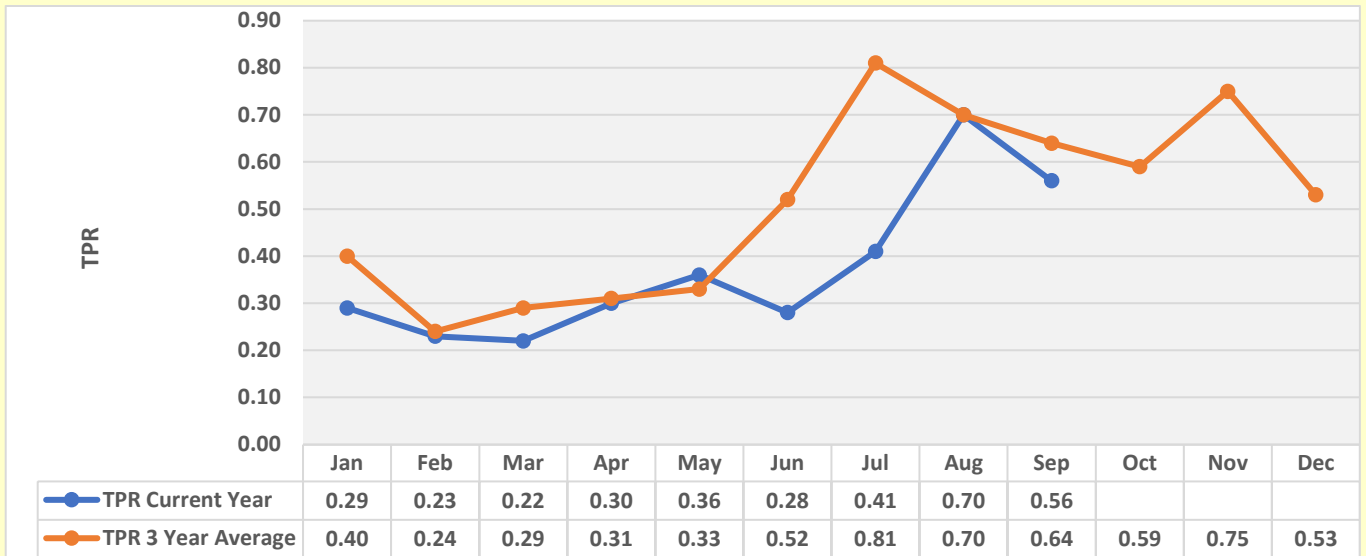
There is an increase of BSE by 81.75% up to October, 2023 as compared to last three years average cumulative and also an increase of BSE by 33.06% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 2: MONTH WISE TREND OF TPC IN JHARKHAND



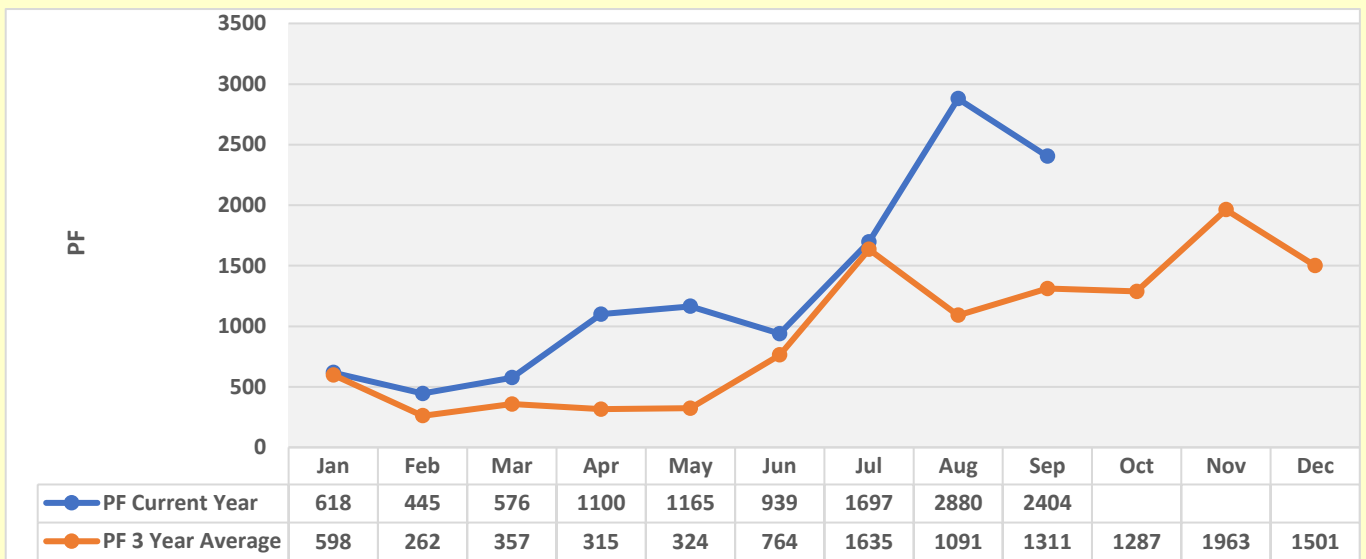
There is an increase of TPC by 36.35% up to October, 2023 as compared to last three years average cumulative and also an increase of TPC by 4.73% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 3: MONTH WISE TREND OF TPR IN JHARKHAND



The TPR was 0.37 up to October, 2023 as compared to 0.51 last three years average and 0.48 up to October, 2022

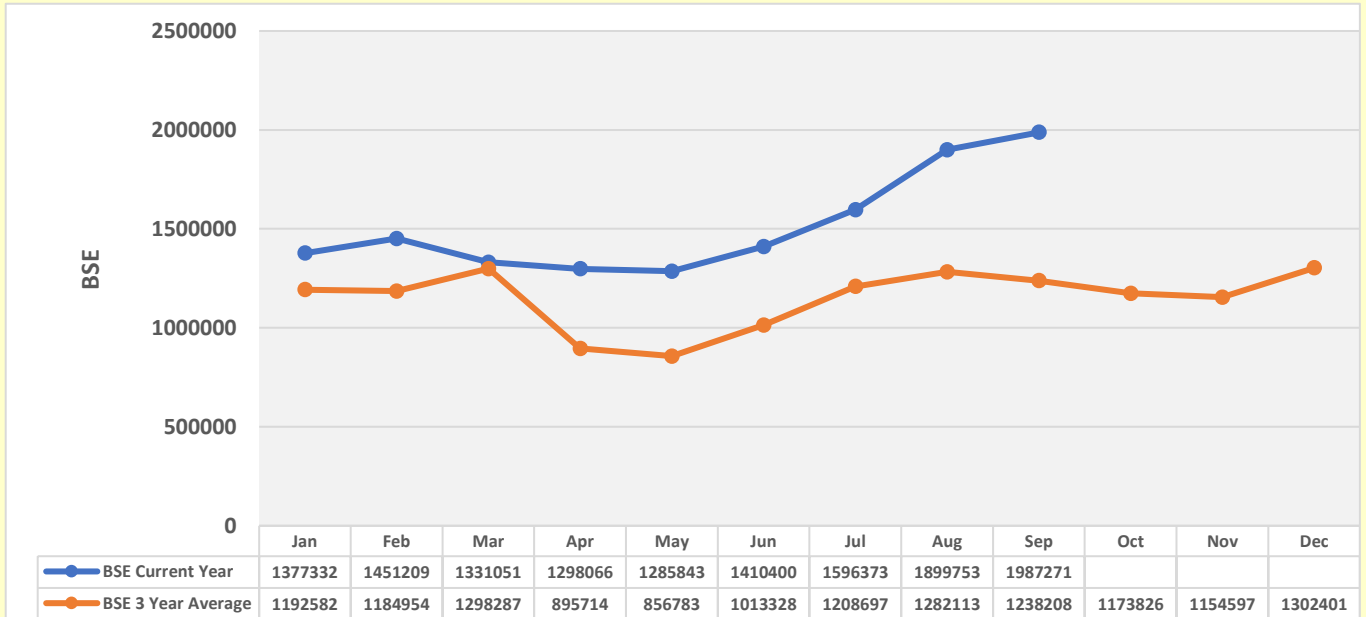
GRAPH 4: MONTH WISE TREND OF PF IN JHARKHAND



There is an increase of PF by 55.2% up to October, 2023 as compared to last three years average cumulative and also an increase of PF by 9.63% up to October, 2023 vis-à-vis up to October, 2022.

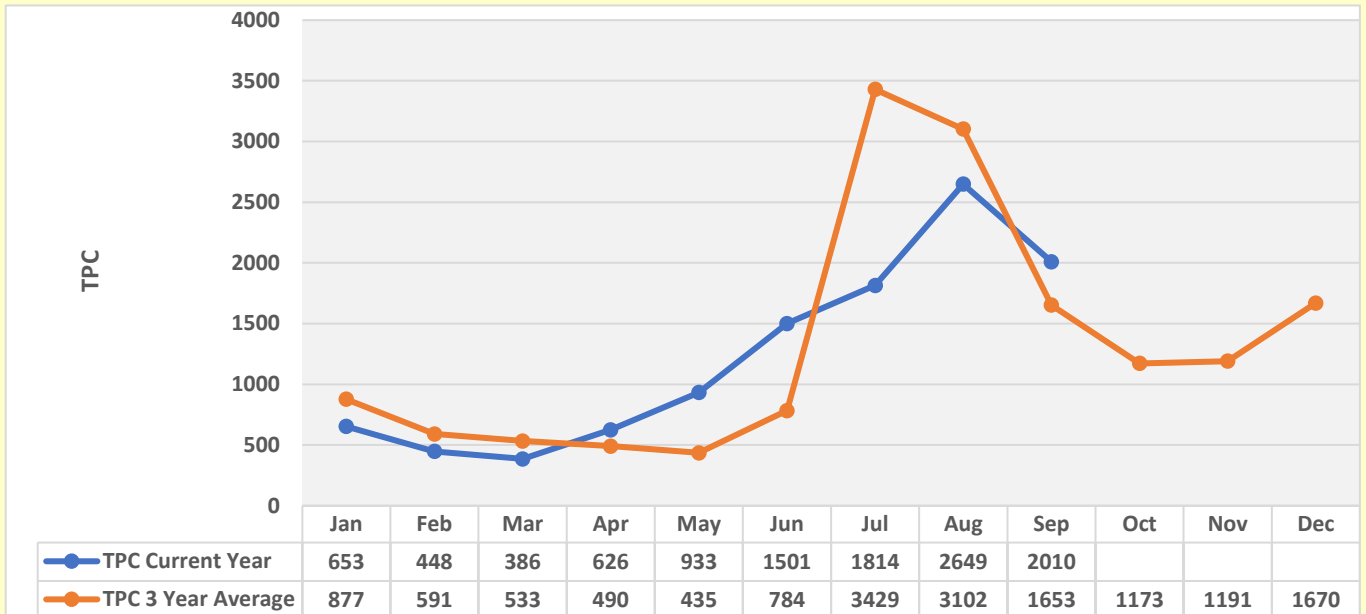
MAHARASHTRA

GRAPH 1: MONTH WISE TREND OF BSE IN MAHARASHTRA



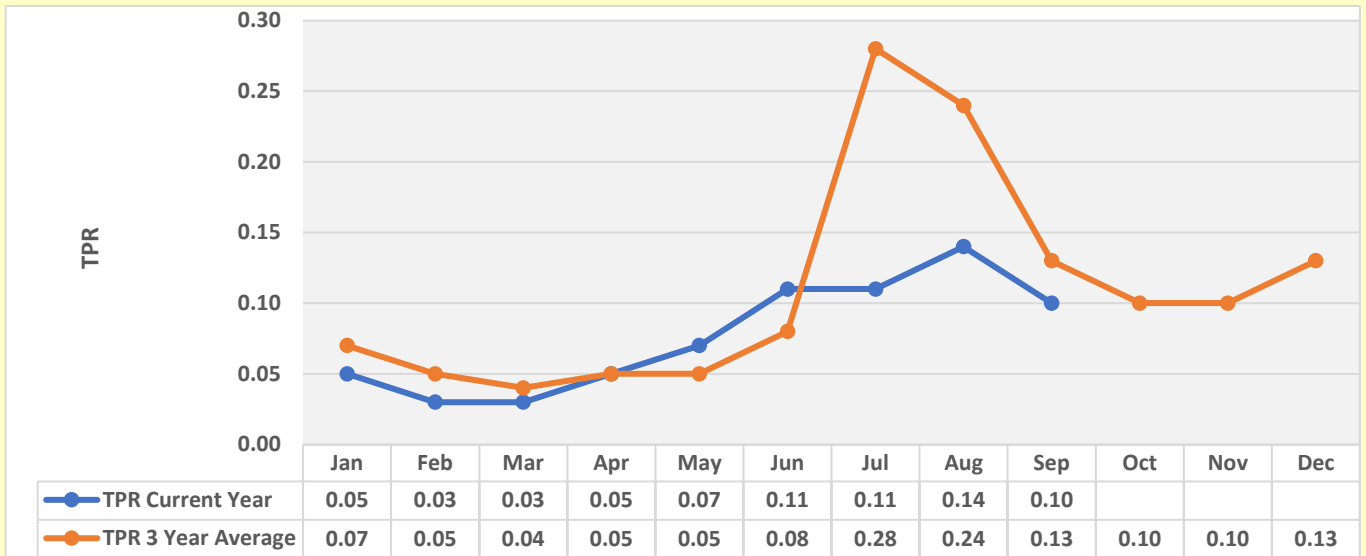
There is an increase of BSE by 36.29% up to October, 2023 as compared to last three years average cumulative and also an increase of BSE by 14.3% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 2: MONTH WISE TREND OF TPC IN MAHARASHTRA



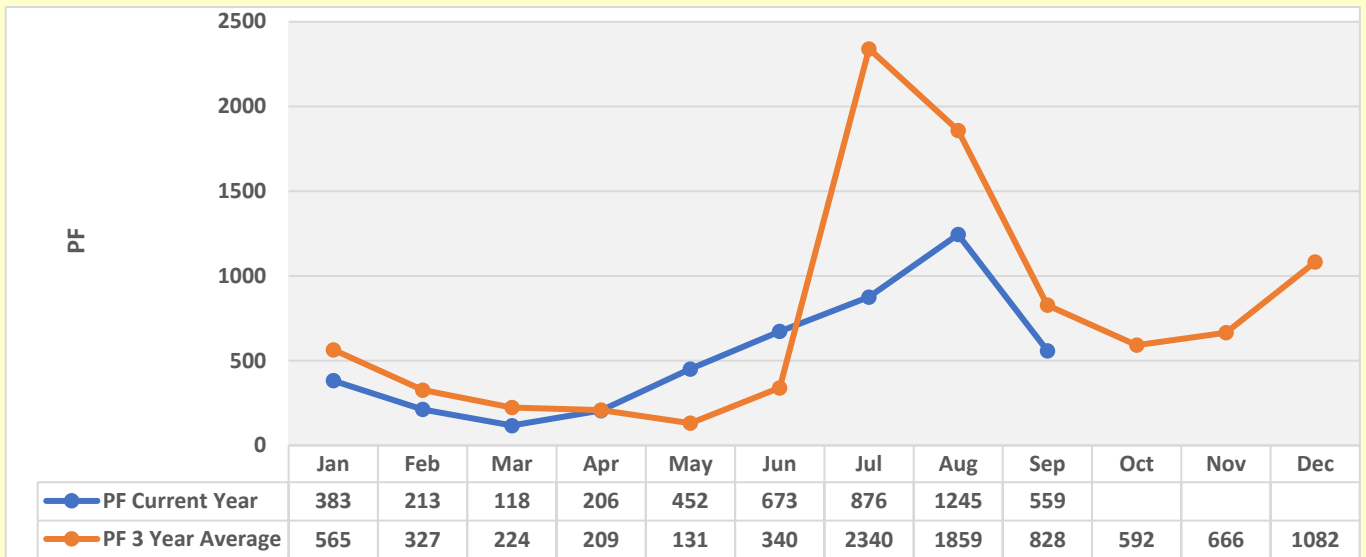
There is a decrease of TPC by 1.81% up to October, 2023 as compared to last three years average cumulative and also a decrease of TPC by 3.64% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 3: MONTH WISE TREND OF TPR IN MAHARASHTRA



The TPR was 0.08 up to October, 2023 as compared to 0.12 last three years average and 0.1 up to October, 2022

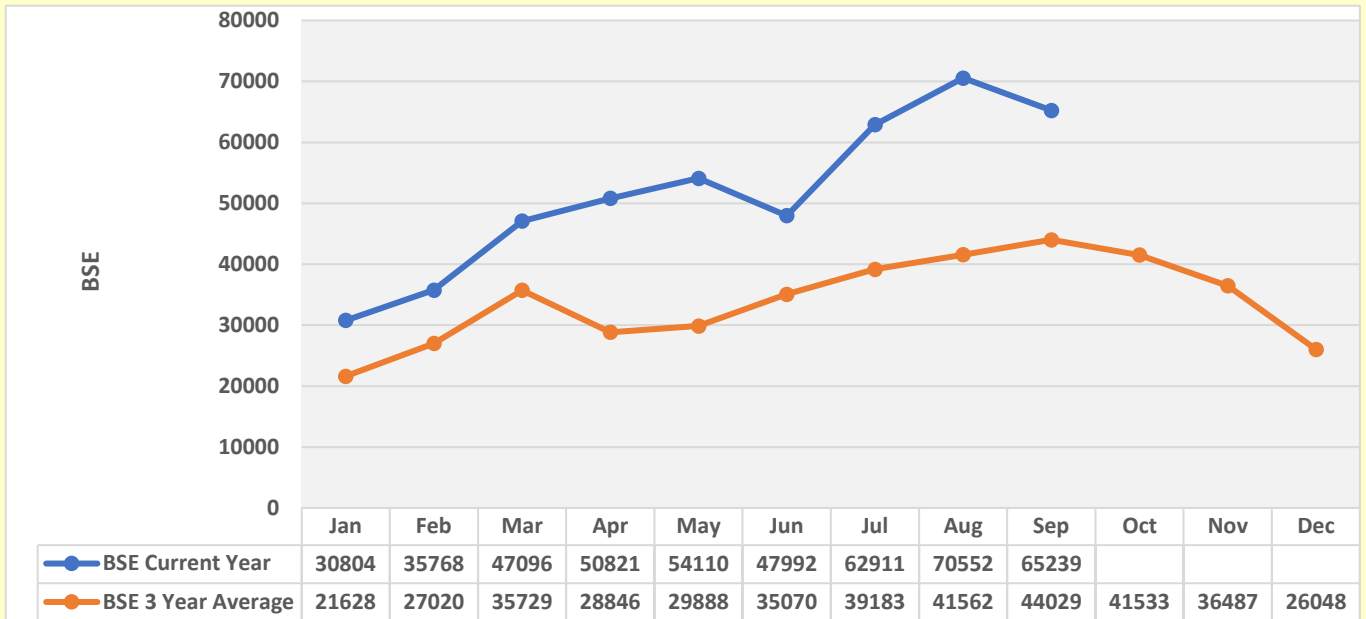
GRAPH 4: MONTH WISE TREND OF PF IN MAHARASHTRA



There is a decrease of PF by 30.58% up to October, 2023 as compared to last three years average cumulative and also a decrease of PF by 34.14% up to October, 2023 vis-à-vis up to October, 2022.

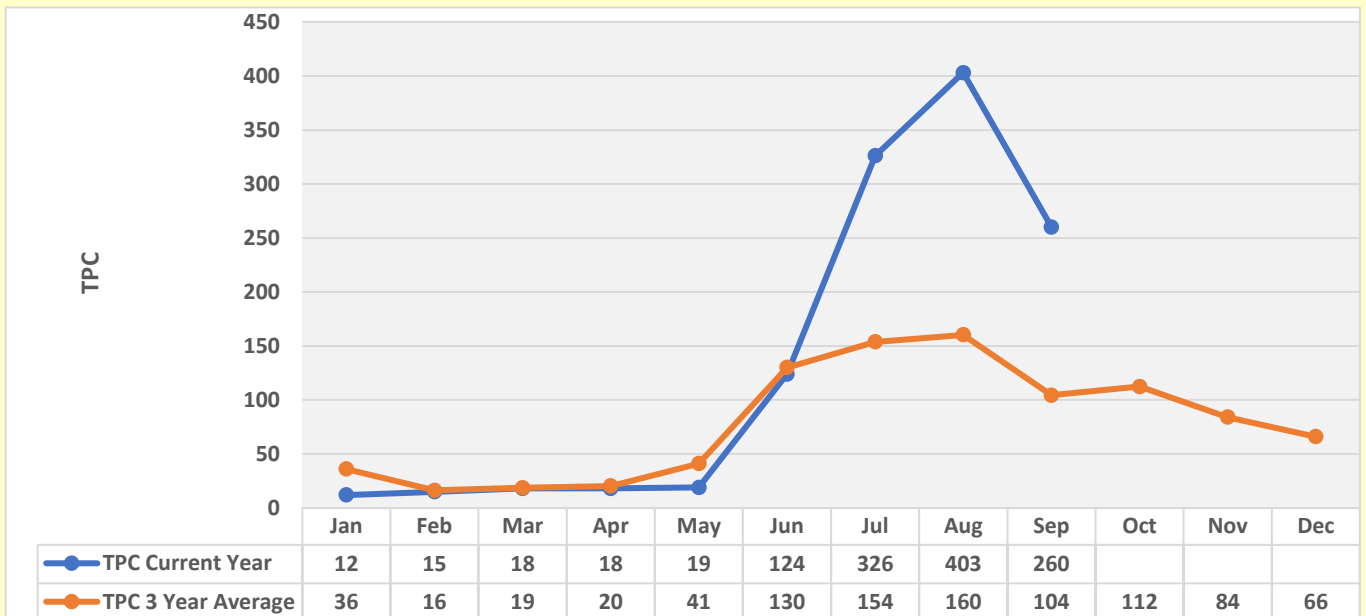
MEGHALAYA

GRAPH 1: MONTH WISE TREND OF BSE IN MEGHALAYA



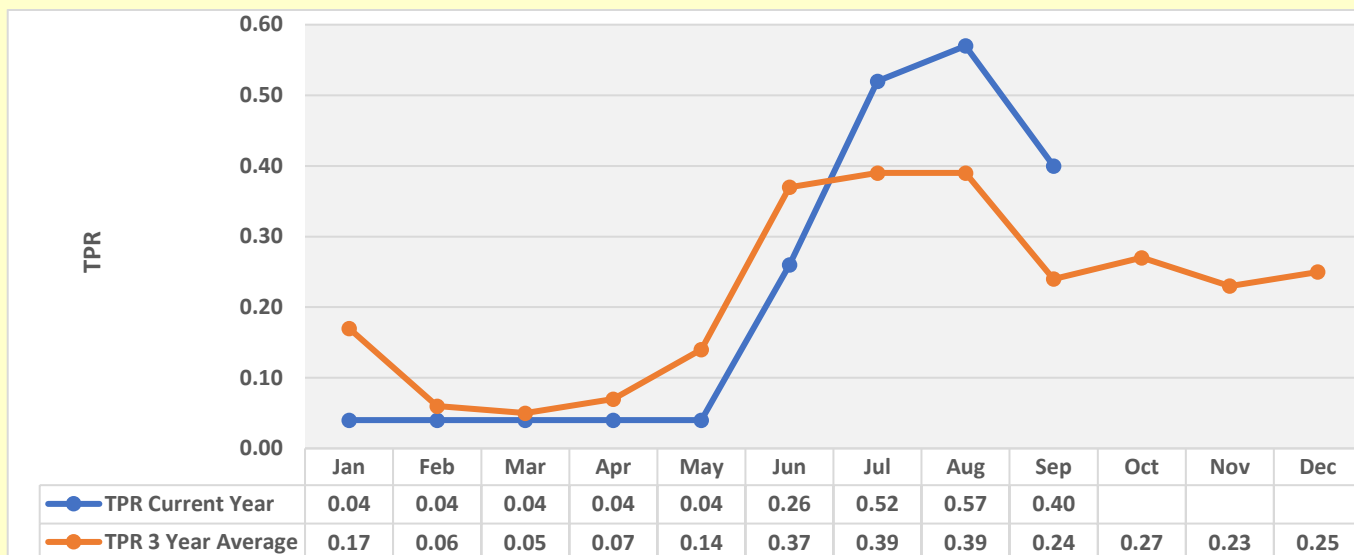
There is an increase of BSE by 52.82% up to October, 2023 as compared to last three years average cumulative and also an increase of BSE by 20.87% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 2: MONTH WISE TREND OF TPC IN MEGHALAYA



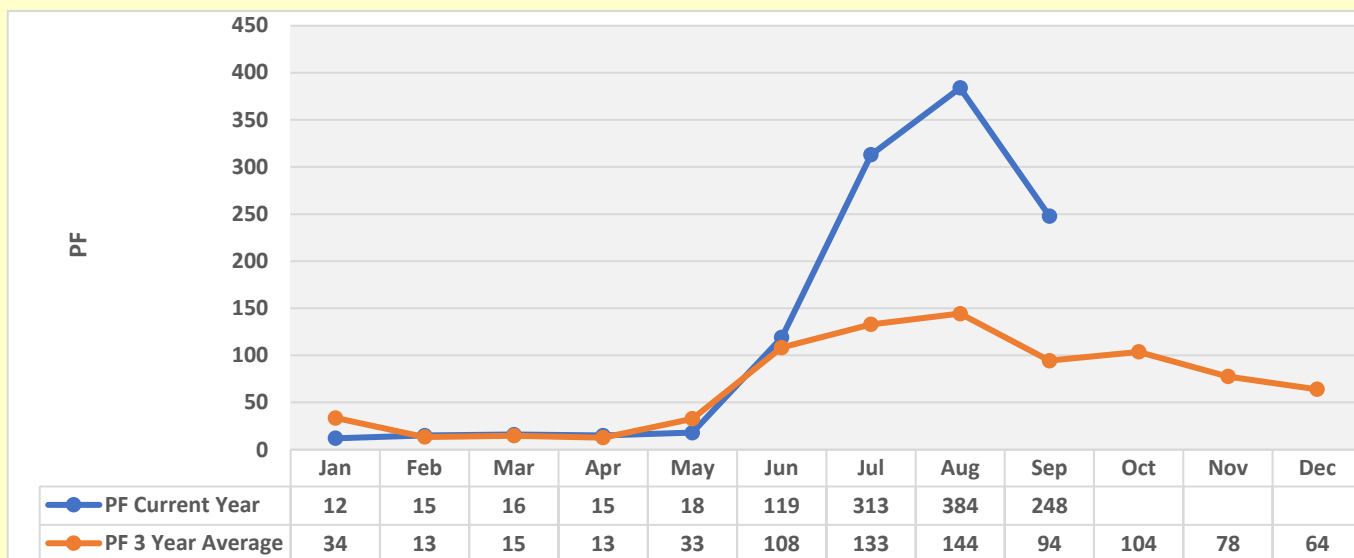
There is an increase of TPC by 81.08% up to October, 2023 as compared to last three years average cumulative and a major increase of TPC up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 3: MONTH WISE TREND OF TPR IN MEGHALAYA



The TPR was 0.27 up to October, 2023 as compared to 0.27 last three years average and 0.06 up to October, 2022

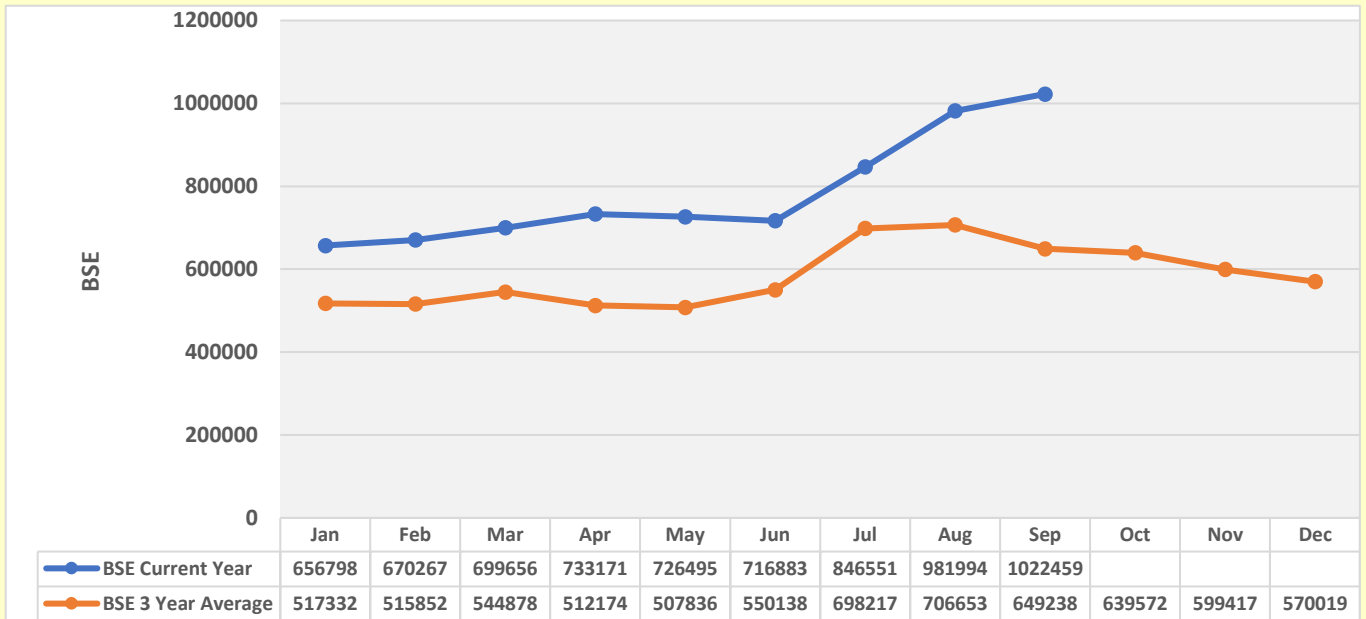
GRAPH 4: MONTH WISE TREND OF PF IN MEGHALAYA



There is an increase of PF by 98.94% up to October, 2023 as compared to last three years average cumulative and a major increase of PF up to October, 2023 vis-à-vis up to October, 2022.

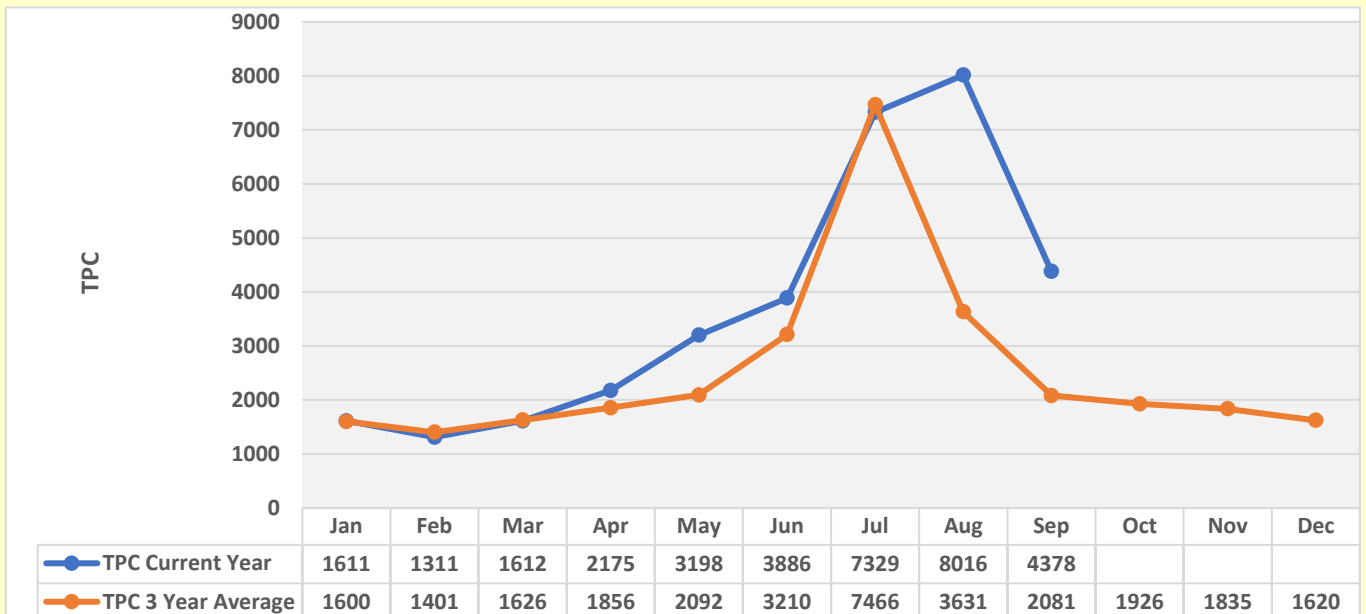
ODISHA

GRAPH 1: MONTH WISE TREND OF BSE IN ODISHA



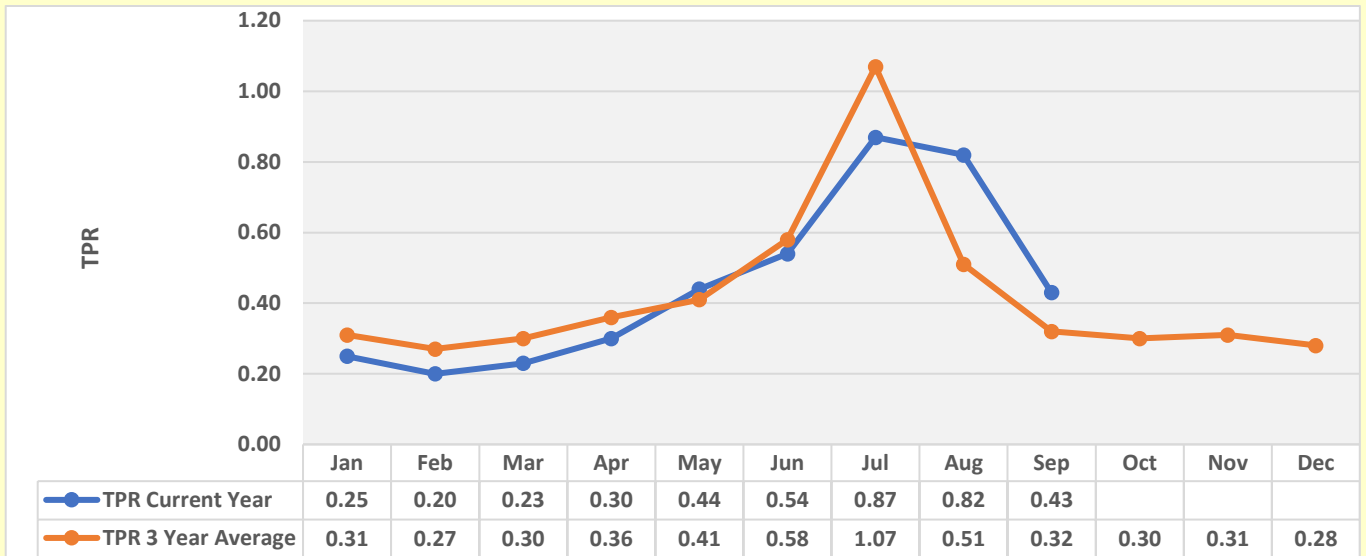
There is an increase of BSE by 36.71% up to October, 2023 as compared to last three years average cumulative and also an increase of BSE by 16.88% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 2: MONTH WISE TREND OF TPC IN ODISHA



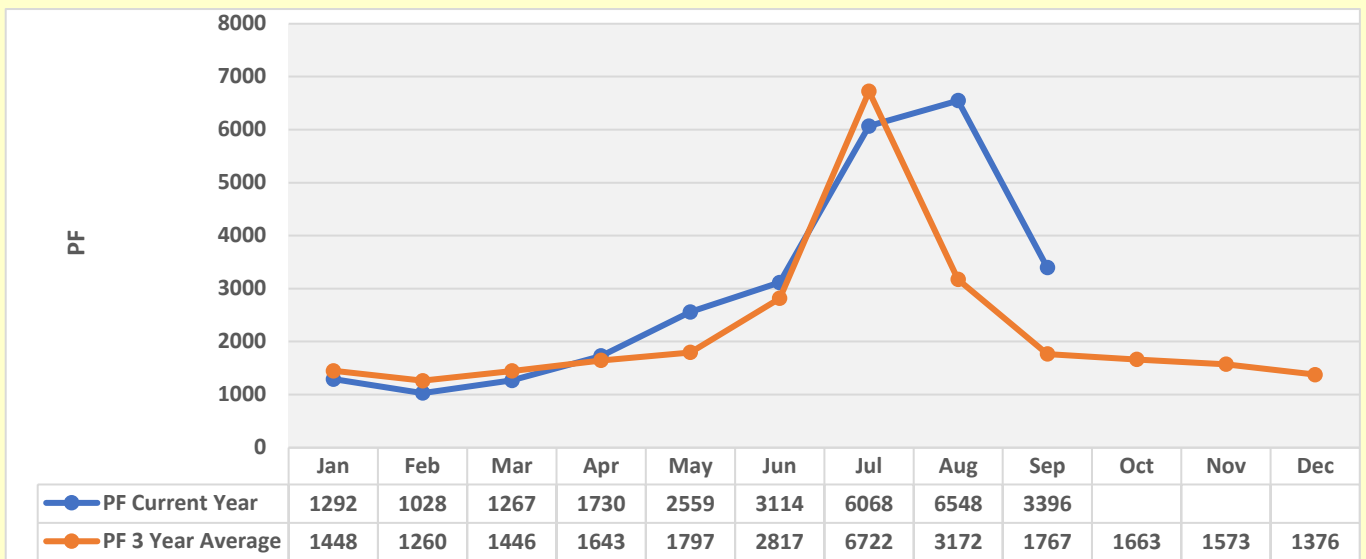
There is an increase of TPC by 35.78% up to October, 2023 as compared to last three years average cumulative and also an increase of TPC by 76.27% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 3: MONTH WISE TREND OF TPR IN ODISHA



The TPR was 0.46 up to October, 2023 as compared to 0.48 last three years average and 0.3 up to October, 2022

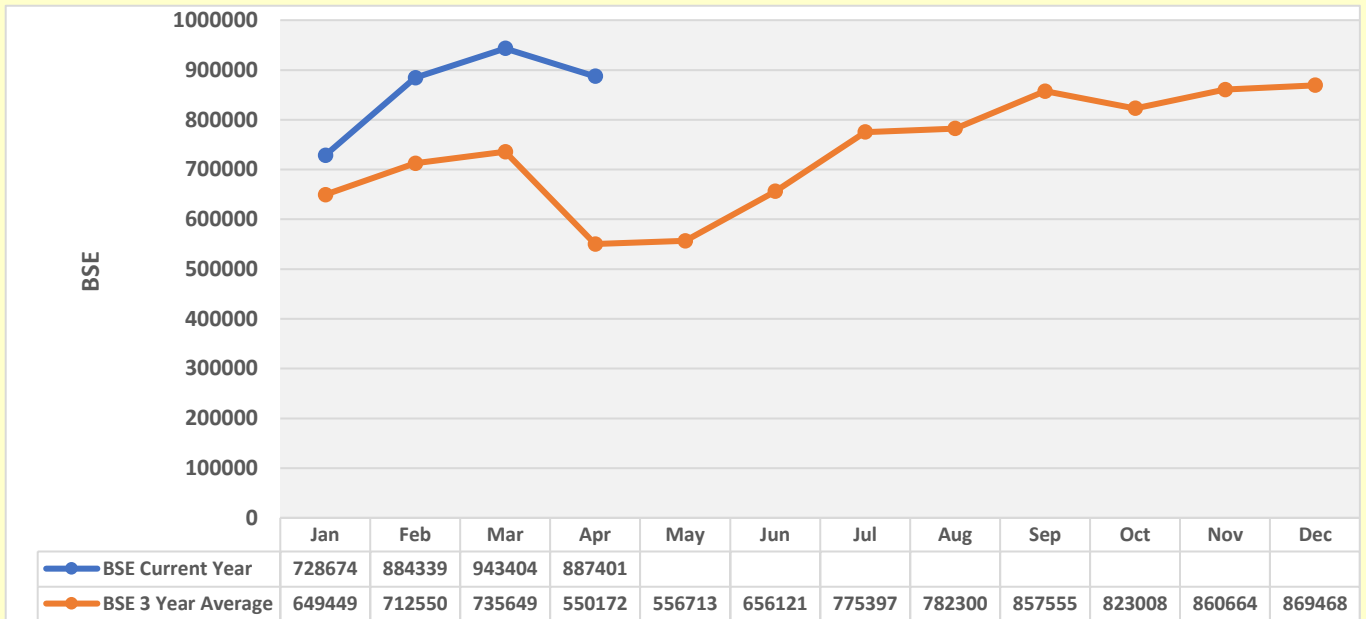
GRAPH 4: MONTH WISE TREND OF PF IN ODISHA



There is an increase of PF by 23.65% up to October, 2023 as compared to last three years average cumulative and also an increase of PF by 73.61% up to October, 2023 vis-à-vis up to October, 2022.

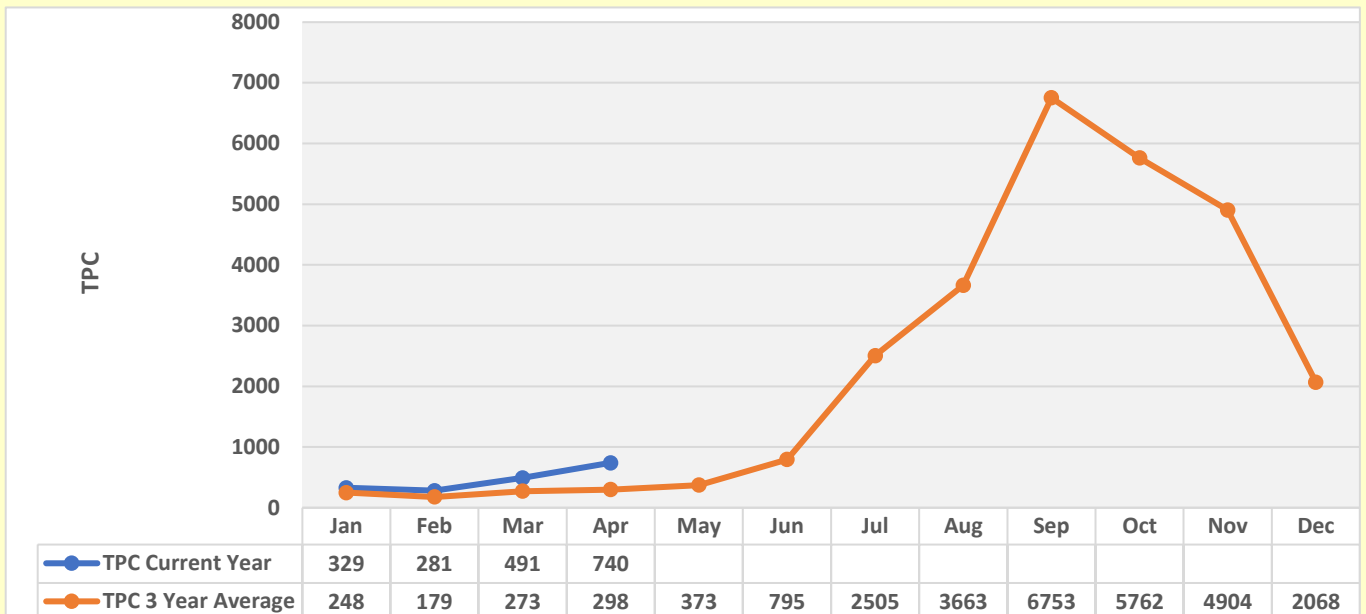
WEST BENGAL

GRAPH 1: MONTH WISE TREND OF BSE IN WEST BENGAL



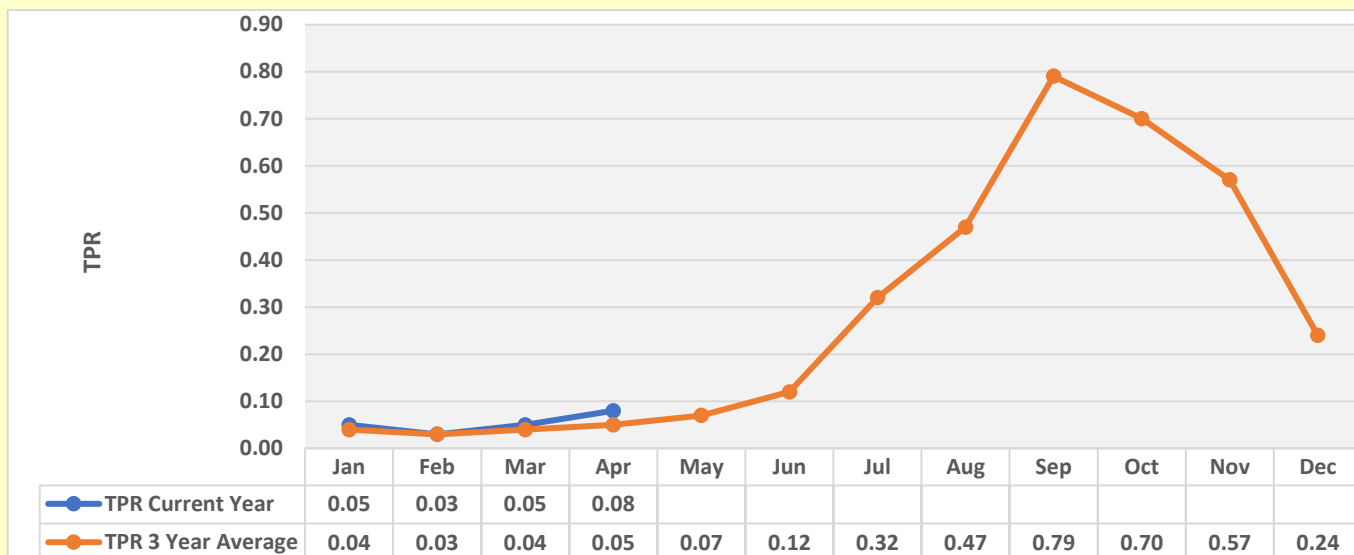
There is a decrease of BSE by 51.49% up to October, 2023 as compared to last three years average cumulative and also a decrease of BSE by 63.64% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 2: MONTH WISE TREND OF TPC IN WEST BENGAL



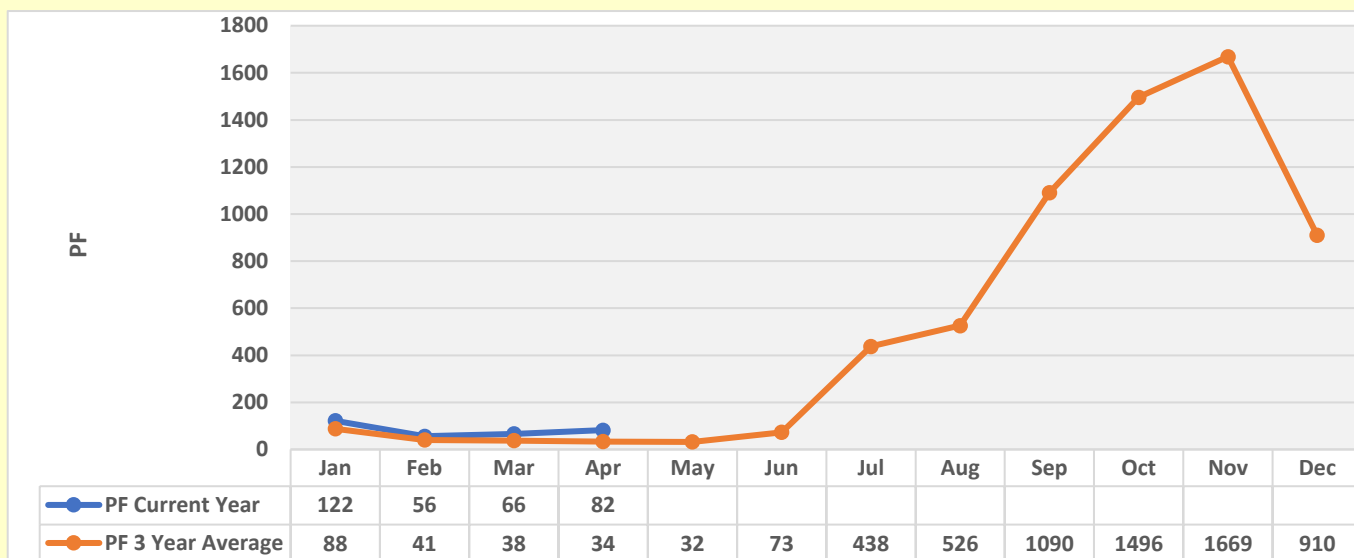
There is a decrease of TPC by 91.17% up to October, 2023 as compared to last three years average cumulative and also a decrease of TPC by 94.7% up to October, 2023 vis-à-vis up to October, 2022.

GRAPH 3: MONTH WISE TREND OF TPR IN WEST BENGAL



The TPR was 0.05 up to October, 2023 as compared to 0.27 last three years average and 0.37 up to October, 2022

GRAPH 4: MONTH WISE TREND OF PF IN WEST BENGAL



There is a decrease of PF by 91.54% up to October, 2023 as compared to last three years average cumulative and also a decrease of PF by 94.17% up to October, 2023 vis-à-vis up to October, 2022.

S. N	Area	Indicator
1	Surveillance/ case finding	No of Fever cases, No of Malaria cases, No of Pf cases
2	Surveillance/ case finding	Annual 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
	Input	% of Additional Staff in Place (MTS, LT, DVBD Consultant)
9	Input	No of RDTs & ACTs planned versus received & used.
10	Input	% of spray equipment in working condition
11	Input	% of spray workers trained
	Process	BCC Activities
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 ITN,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%