



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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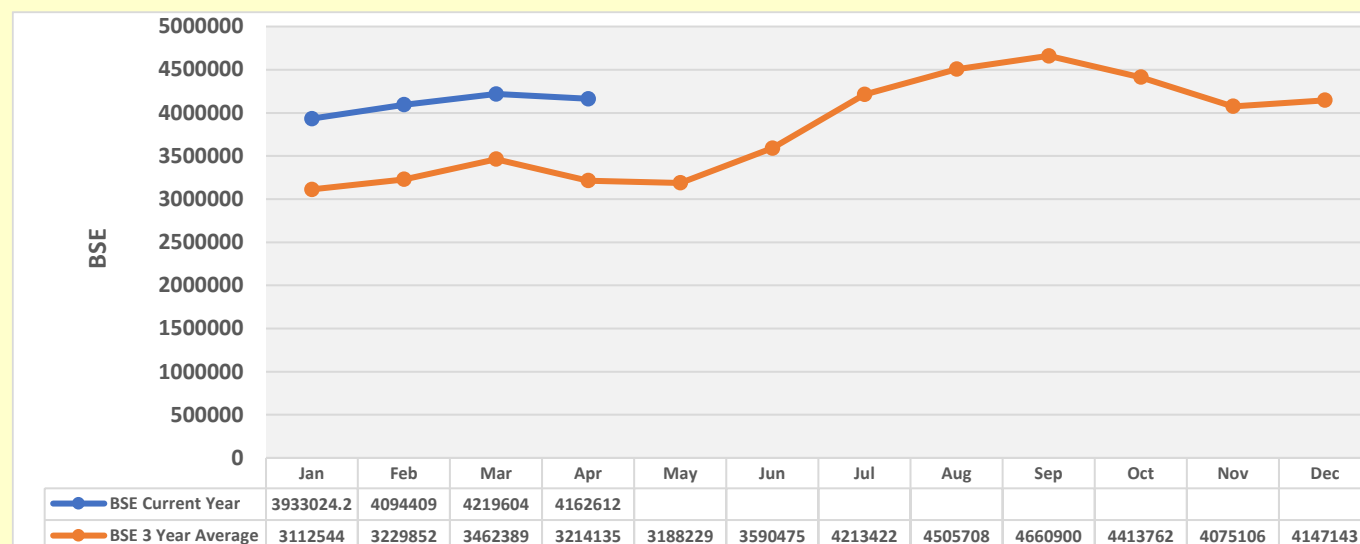
*State categorization as per API 2021 status.*

# INTRODUCTION AND SUMMARY SHEET FOR CATEGORY II

The surveillance information of Malaria of April, 2024 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.

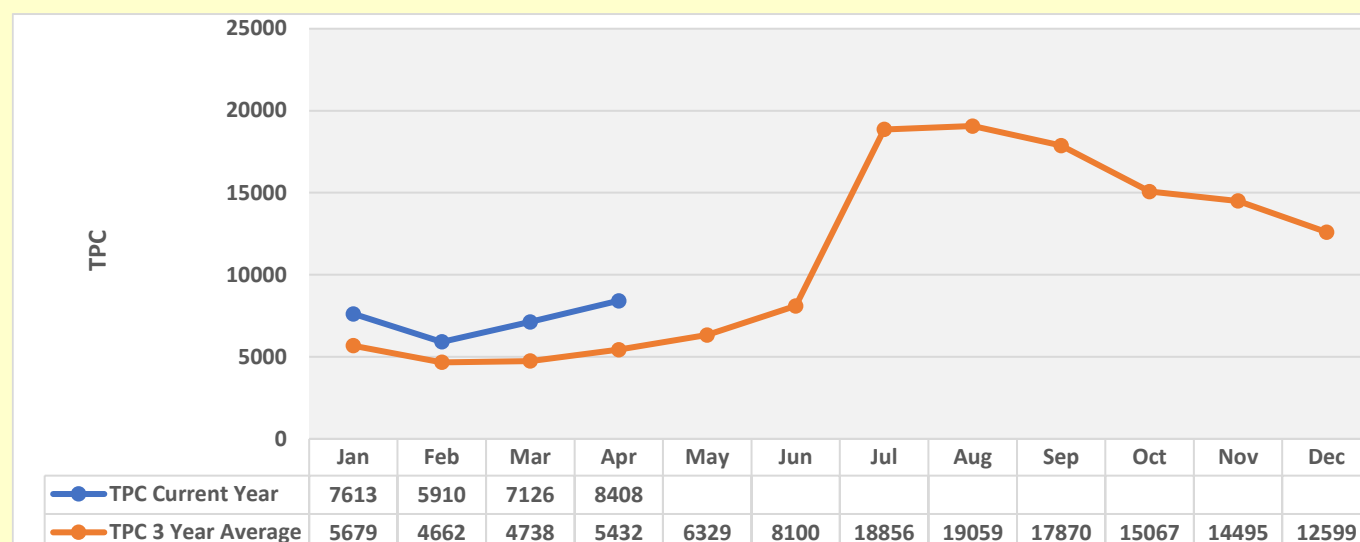
\*BSE (Blood Slide Examination), TPC (Total Positive Cases), PF (Plasmodium falciparum) and TPR (Total Positivity Rate).

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



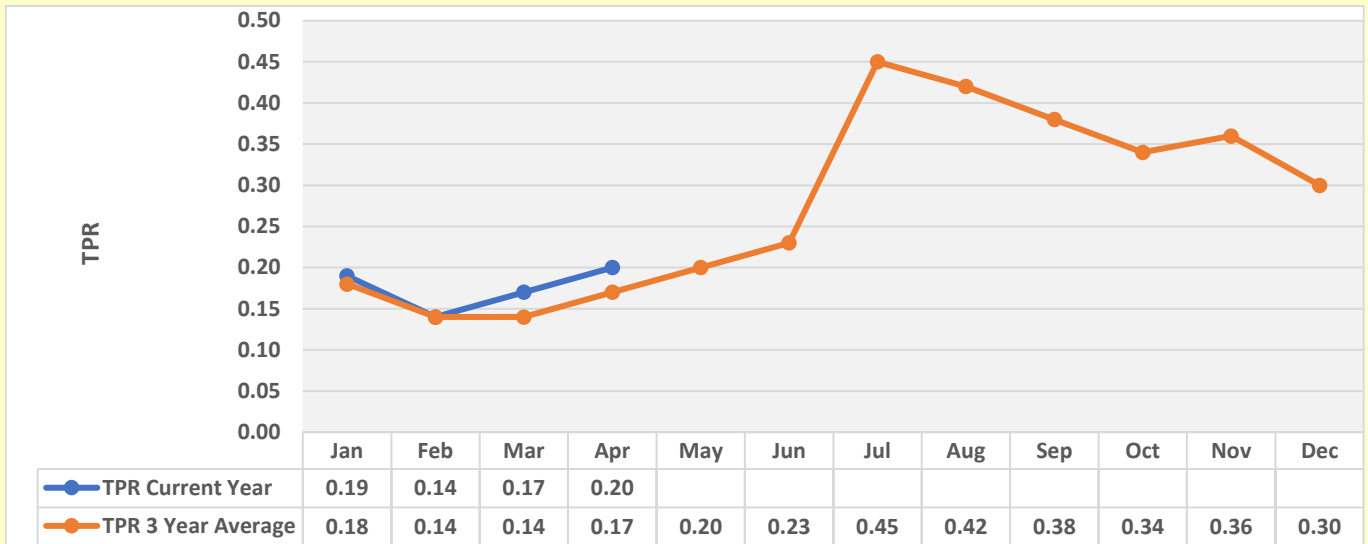
There is an increase of BSE by 26.04% up to April, 2024 as compared to last three years average cumulative and also an increase of BSE by 3.91% up to April, 2024 vis-à-vis up to April, 2023.

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



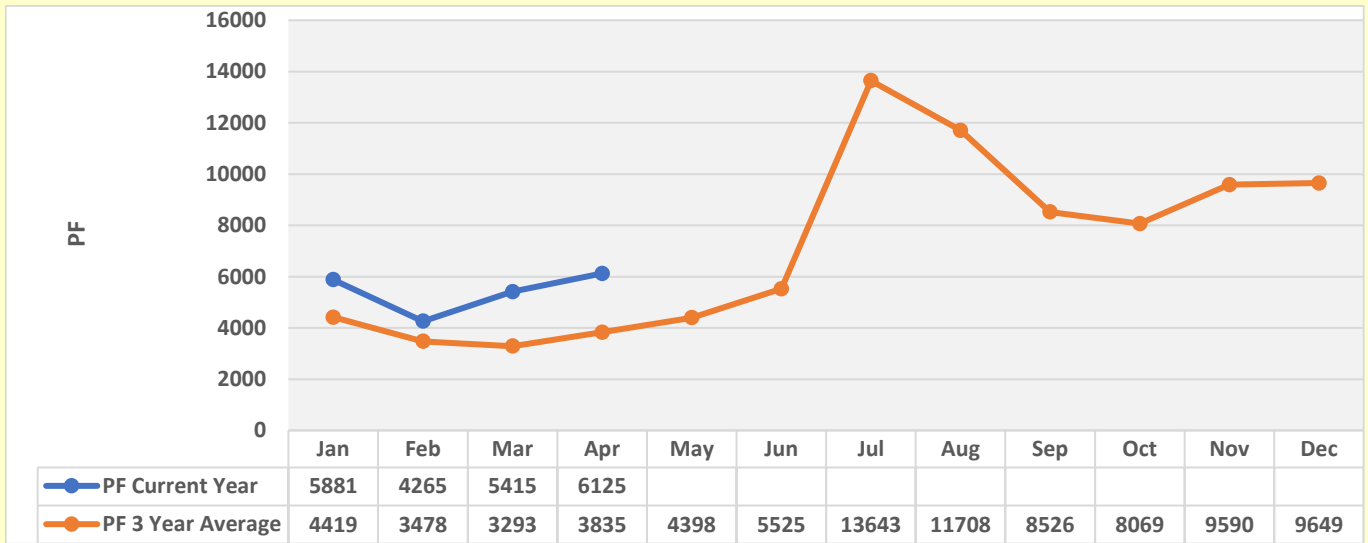
There is an increase of TPC by 41.66% up to April, 2024 as compared to last three years average cumulative and also an increase of TPC by 21.48% up to April, 2024 vis-à-vis up to April, 2023.

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



The TPR was 0.18 up to April, 2024 as compared to 0.16 last three years average and 0.15 up to April, 2023

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



There is an increase of PF by 44.33% up to April, 2024 as compared to last three years average cumulative and also an increase of PF by 21.85% up to April, 2024 vis-à-vis up to April, 2023.

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

<b>SN</b>	<b>States/UTs</b>	<b>Districts/Units showing decrease in Surveillance</b>
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

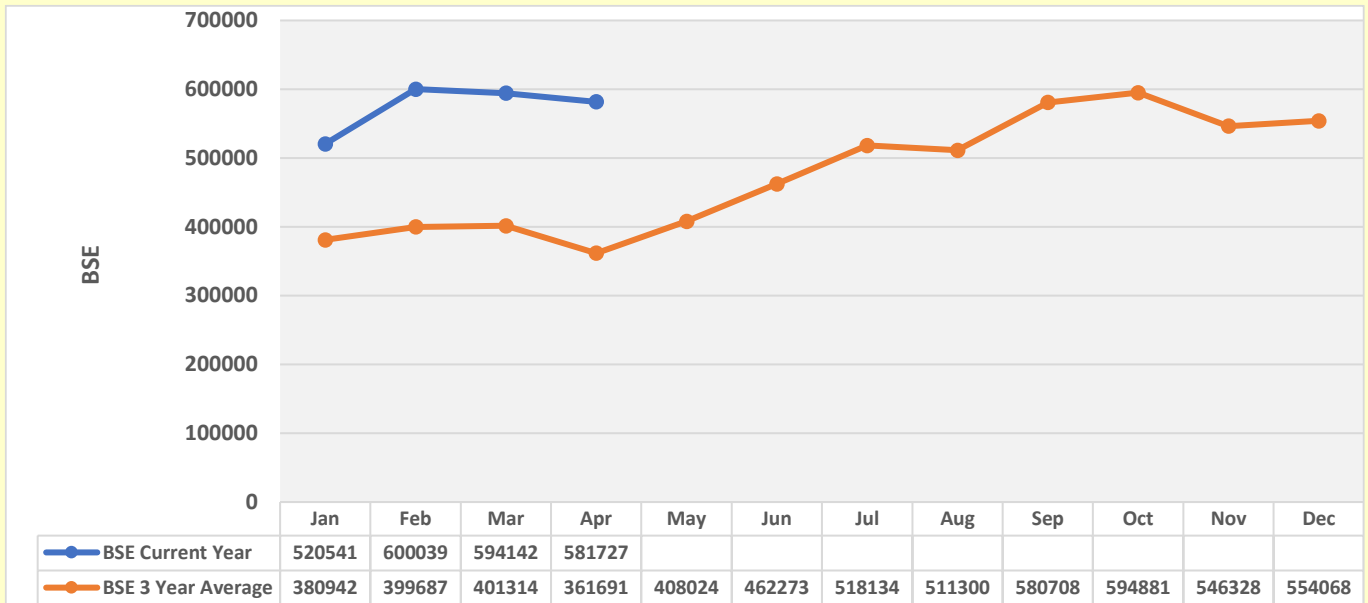
*Current month data is compared with same month previous year data.*

**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.

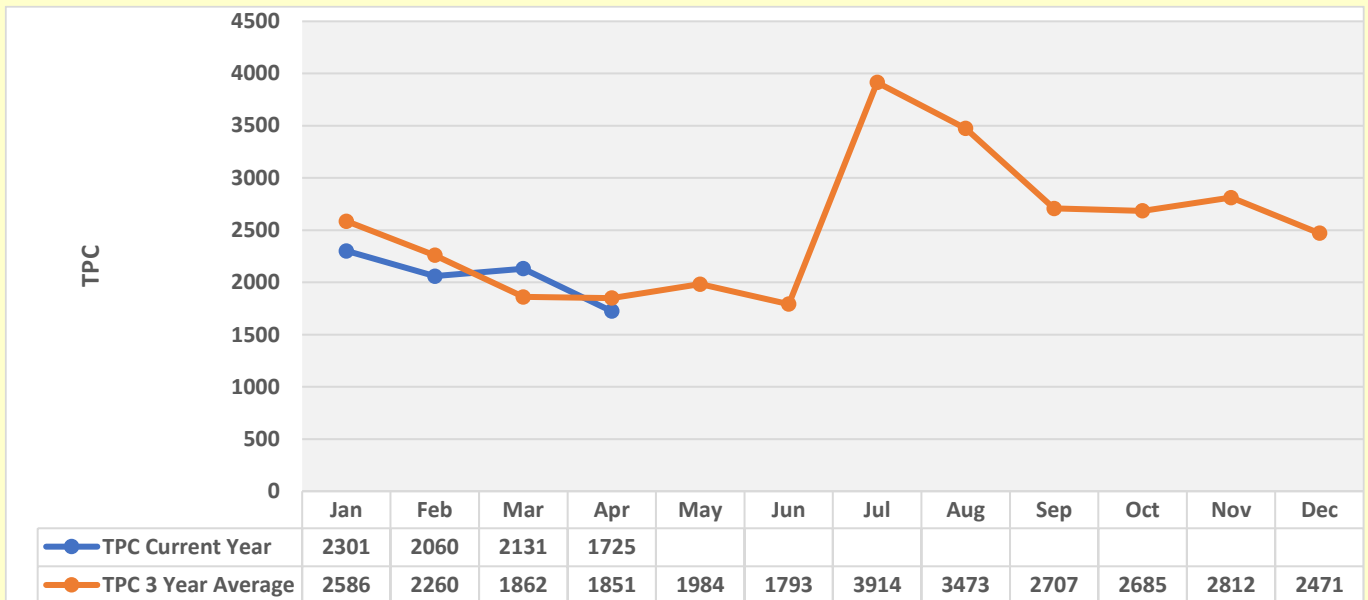
# CHHATTISGARH

**GRAPH 1: MONTH WISE TREND OF BSE IN CHHATTISGARH**



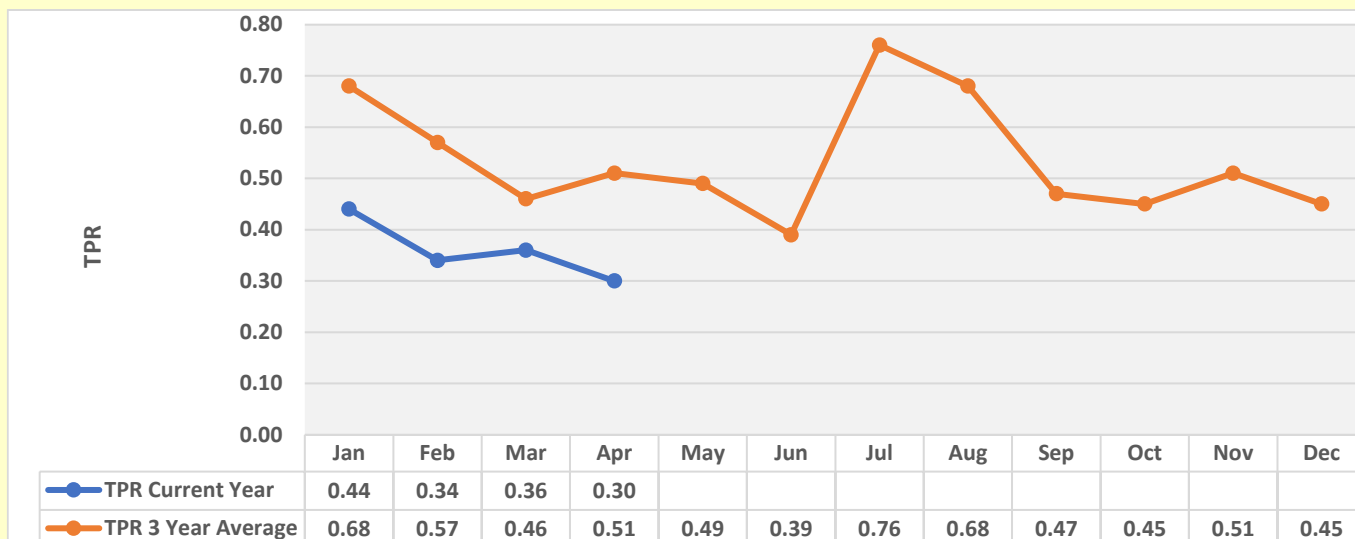
There is an increase of BSE by 48.77% up to April, 2024 as compared to last three years average cumulative and also an increase of BSE by 10.81% up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 2: MONTH WISE TREND OF TPC IN CHHATTISGARH**



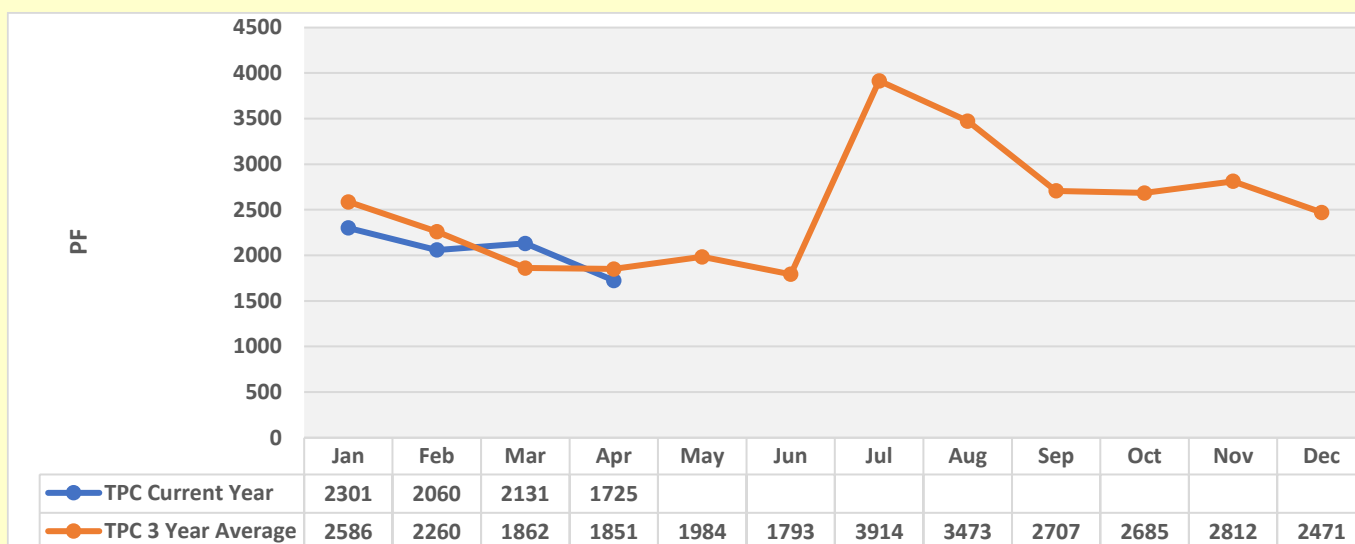
There is a decrease of TPC by 4% up to April, 2024 as compared to last three years average cumulative and also a decrease of TPC by 14.58% up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 3: MONTH WISE TREND OF TPR IN CHHATTISGARH**



The TPR was 0.36 up to April, 2024 as compared to 0.58 last three years average and 0.46 up to April, 2023

**GRAPH 4: MONTH WISE TREND OF PF IN CHHATTISGARH**

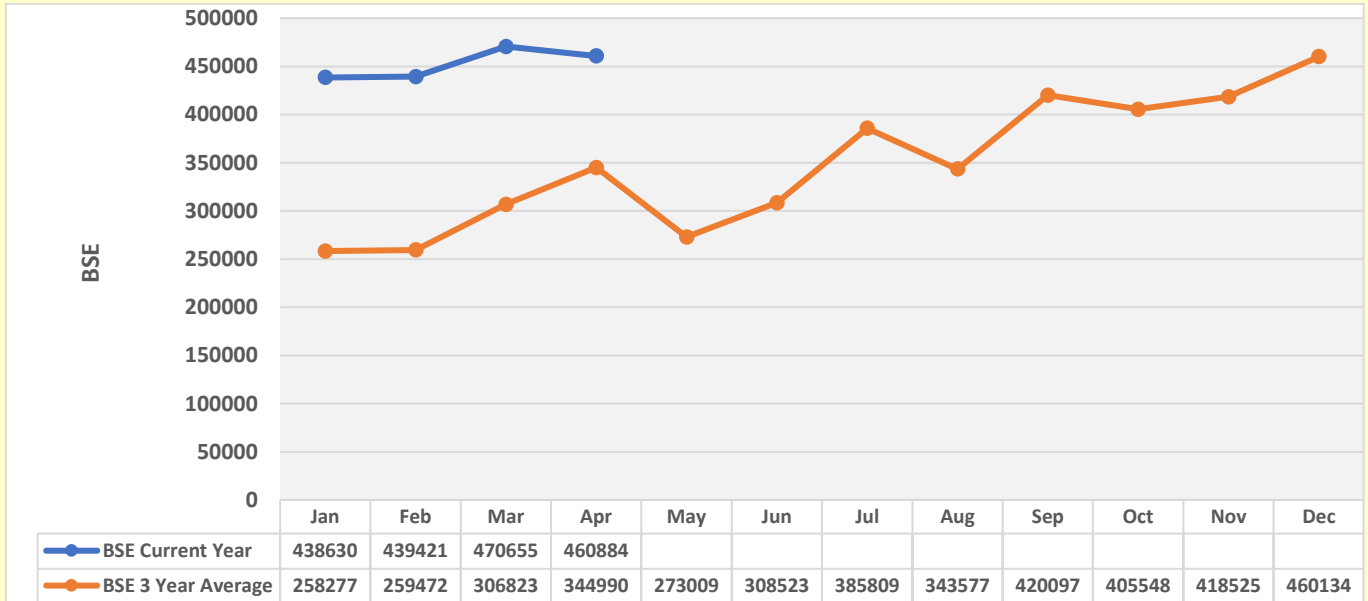


There is a decrease of PF by 3.21% up to April, 2024 as compared to last three years average cumulative and also a decrease of PF by 15.02% up to April, 2024 vis-à-vis up to April, 2023.



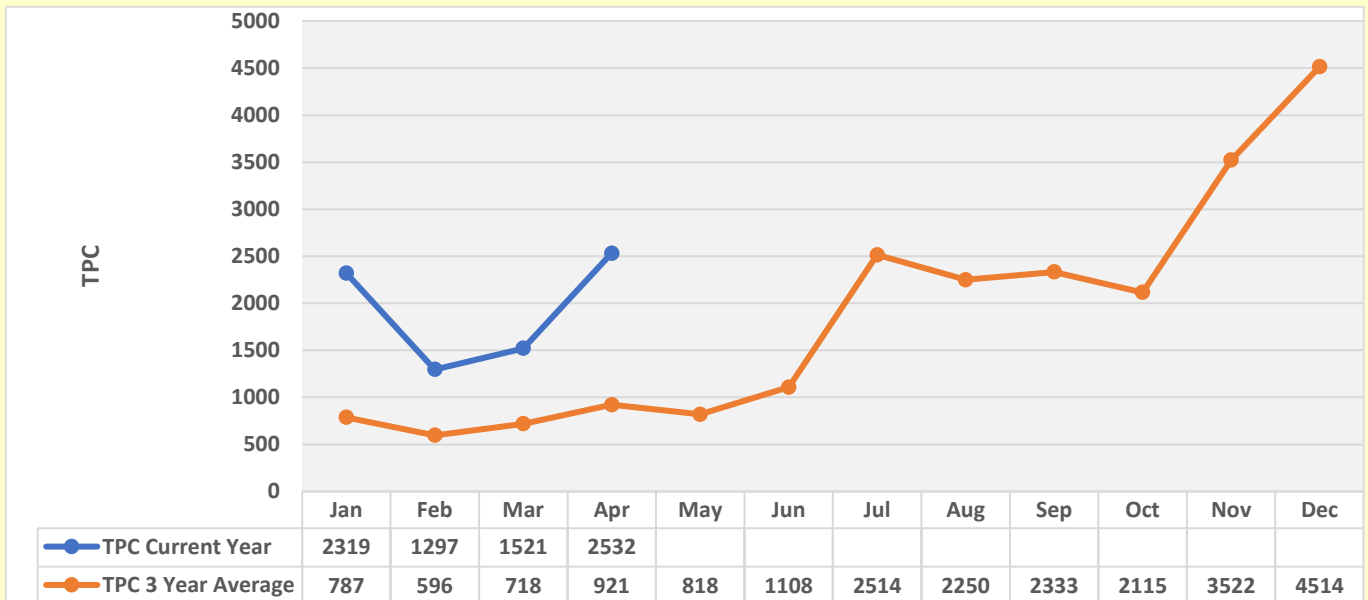
# JHARKHAND

**GRAPH 1: MONTH WISE TREND OF BSE IN JHARKHAND**



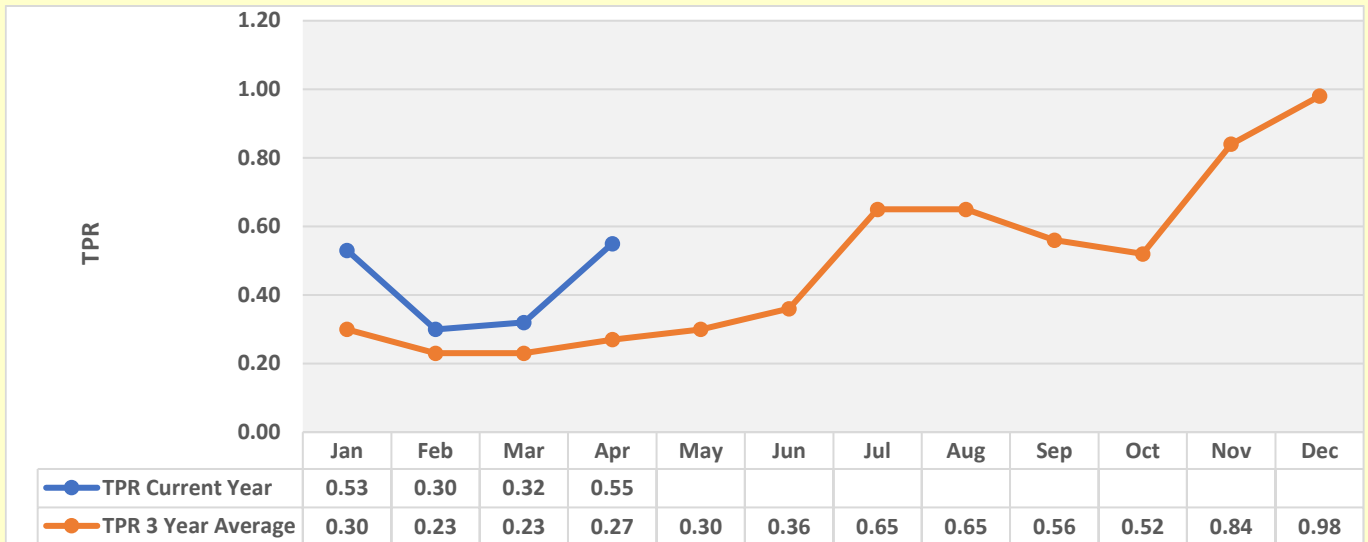
There is an increase of BSE by 54.72% up to April, 2024 as compared to last three years average cumulative and also an increase of BSE by 9.24% up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 2: MONTH WISE TREND OF TPC IN JHARKHAND**



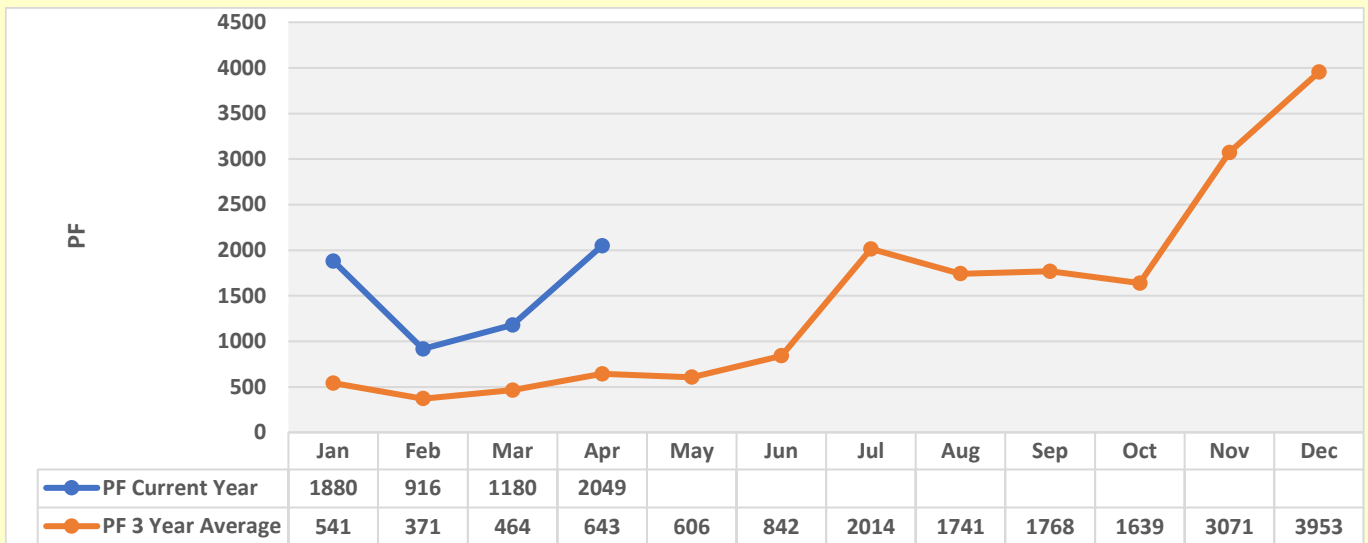
There is a major increase of TPC up to April, 2024 as compared to last three years average cumulative as well as a major increase of TPC up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 3: MONTH WISE TREND OF TPR IN JHARKHAND**



The TPR was 0.42 up to April, 2024 as compared to 0.27 last three years average and 0.22 up to April, 2023

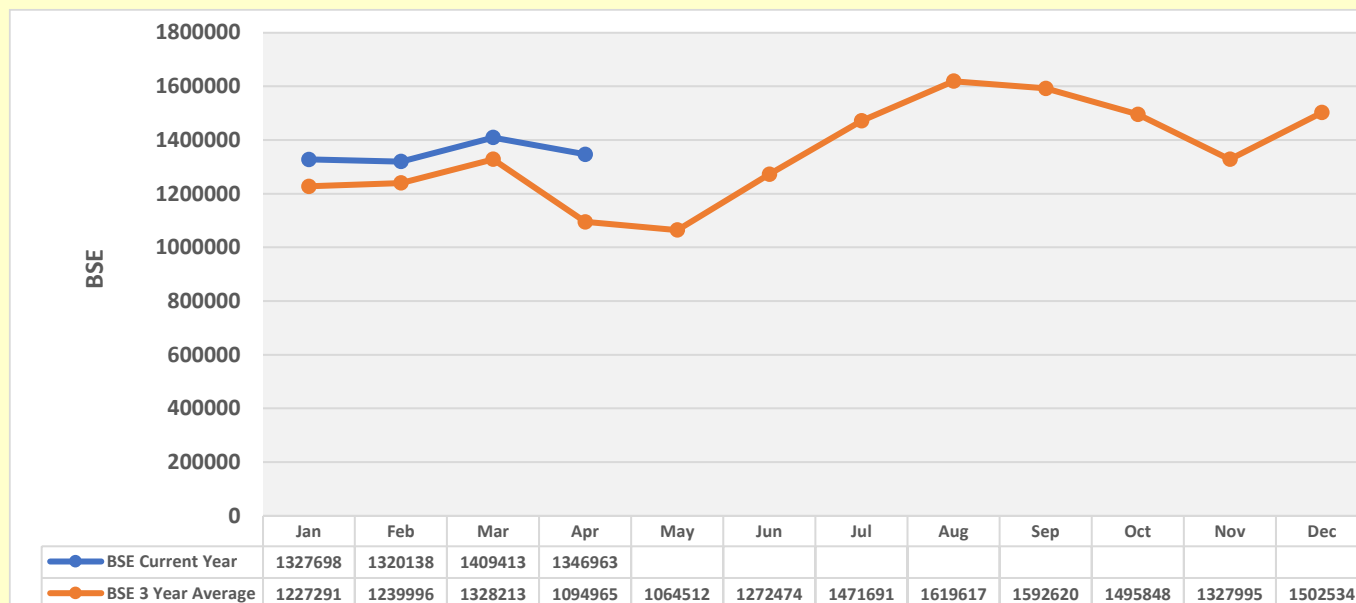
**GRAPH 4: MONTH WISE TREND OF PF IN JHARKHAND**



There is a major increase of PF up to April, 2024 as compared to last three years average cumulative as well as a major increase of PF up to April, 2024 vis-à-vis up to April, 2023.

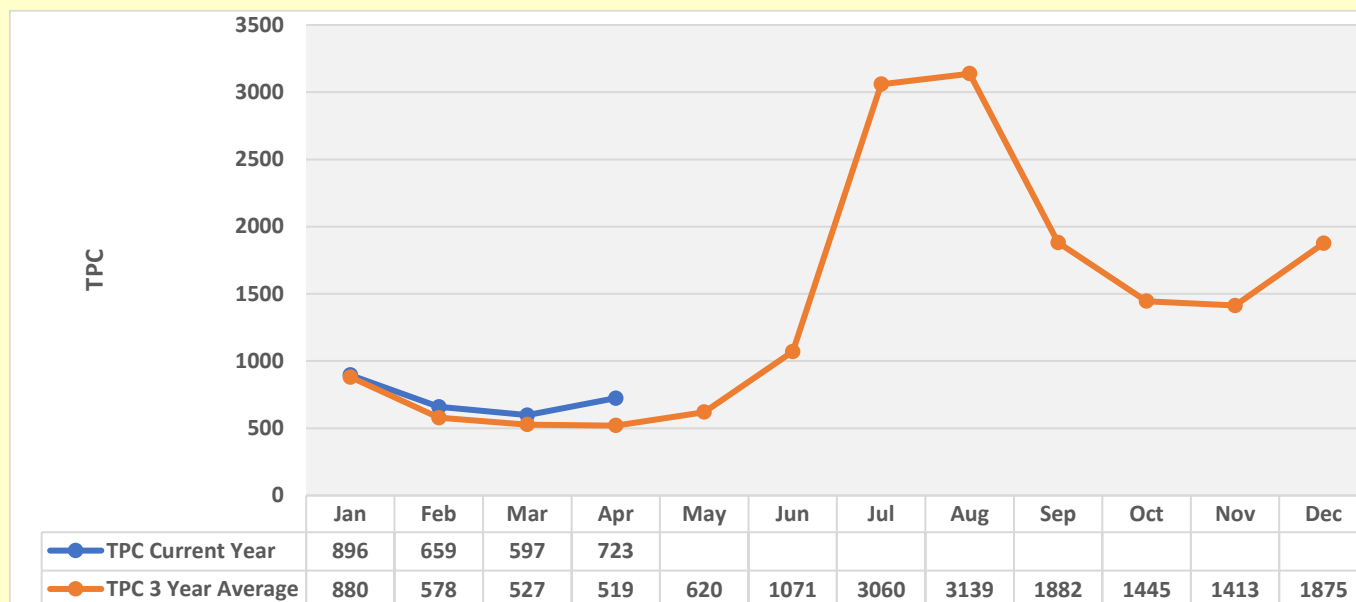
# MAHARASHTRA

**GRAPH 1: MONTH WISE TREND OF BSE IN MAHARASHTRA**



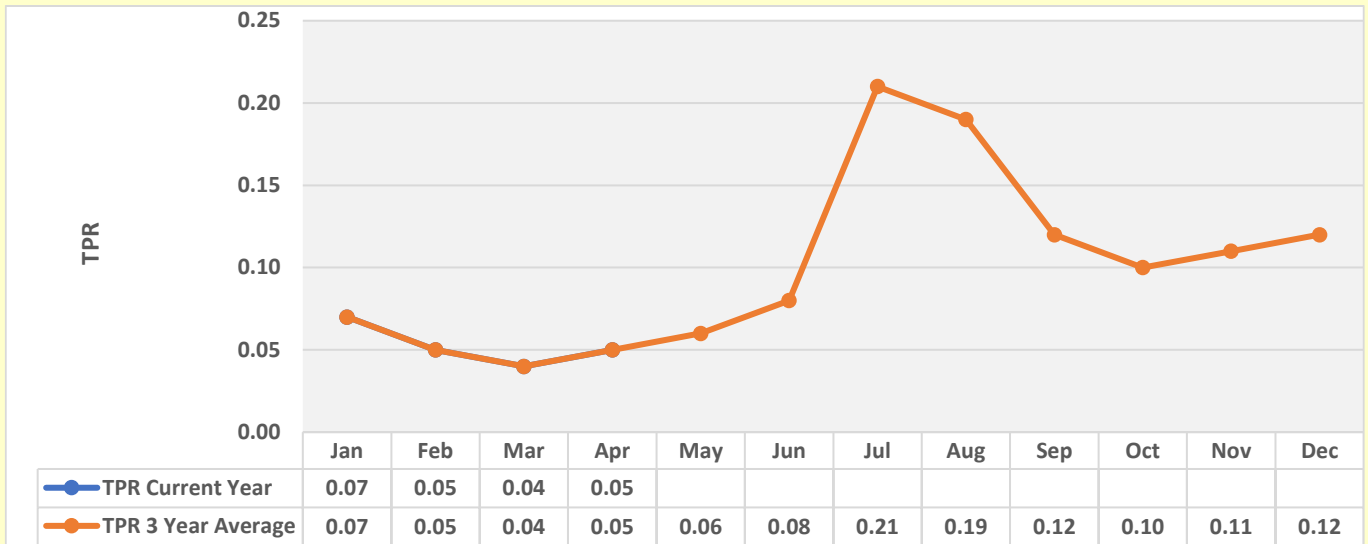
There is an increase of BSE by 10.51% up to April, 2024 as compared to last three years average cumulative but a decrease of BSE by 5.1% up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 2: MONTH WISE TREND OF TPC IN MAHARASHTRA**



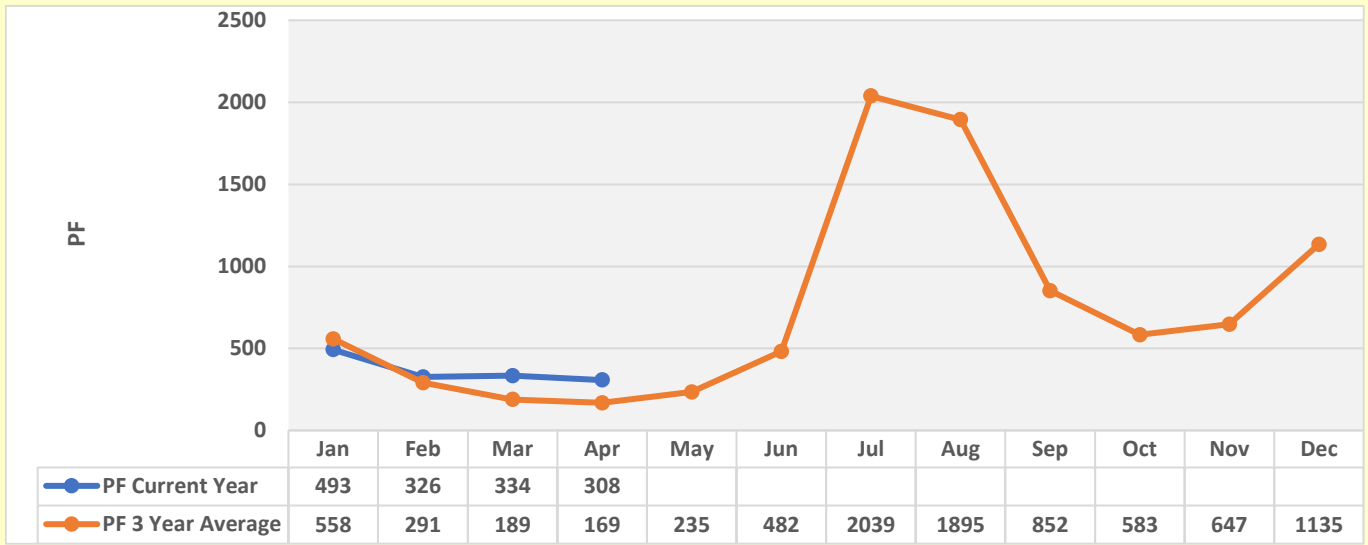
There is an increase of TPC by 14.77% up to April, 2024 as compared to last three years average cumulative and also an increase of TPC by 36.06% up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 3: MONTH WISE TREND OF TPR IN MAHARASHTRA**



The TPR was 0.05 up to April, 2024 as compared to 0.05 last three years average and 0.04 up to April, 2023

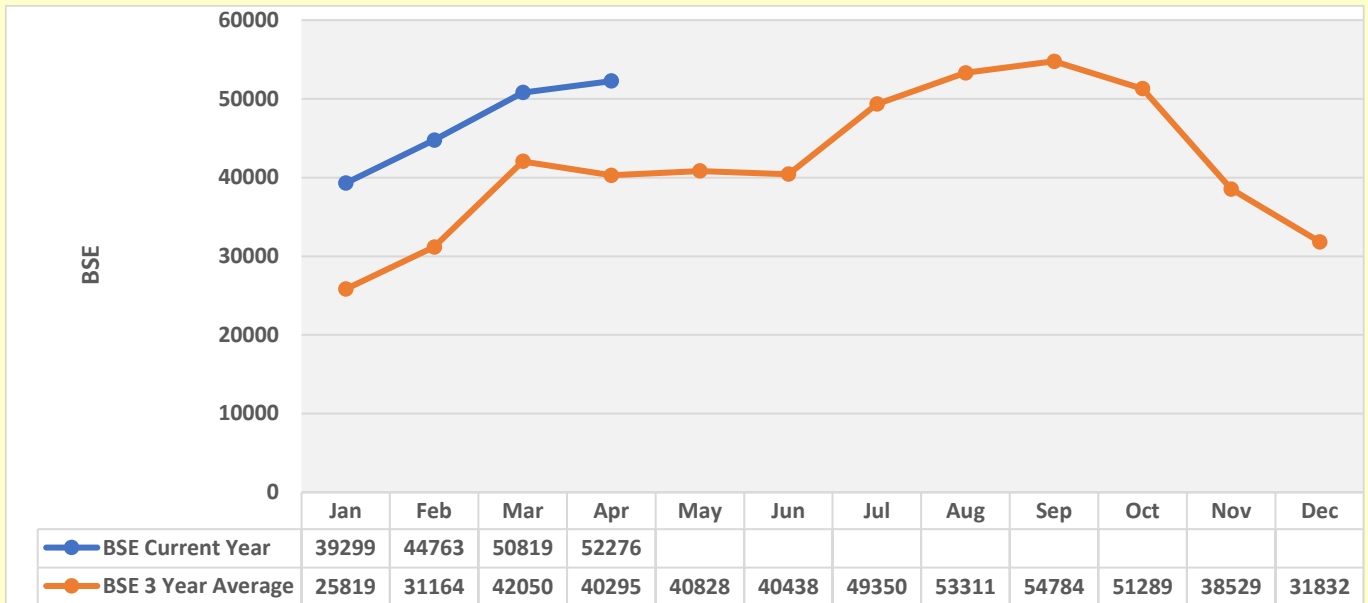
**GRAPH 4: MONTH WISE TREND OF PF IN MAHARASHTRA**



There is an increase of PF by 21.11% up to April, 2024 as compared to last three years average cumulative and also an increase of PF by 58.8% up to April, 2024 vis-à-vis up to April, 2023.

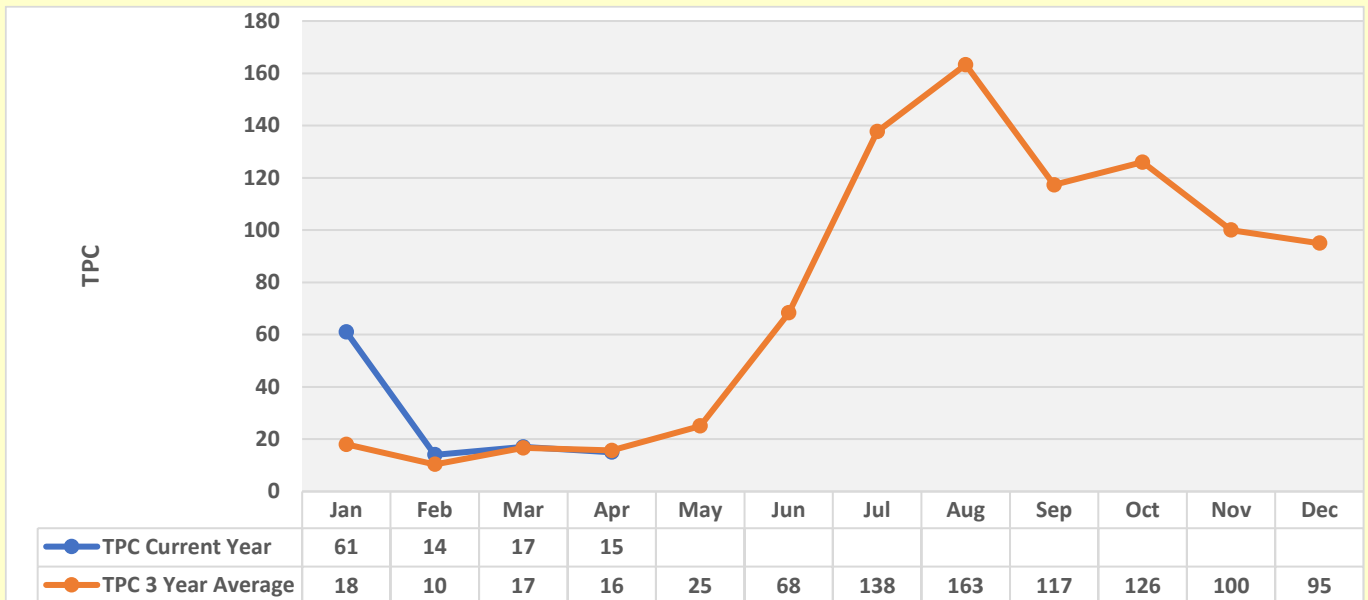
# MEGHALAYA

**GRAPH 1: MONTH WISE TREND OF BSE IN MEGHALAYA**



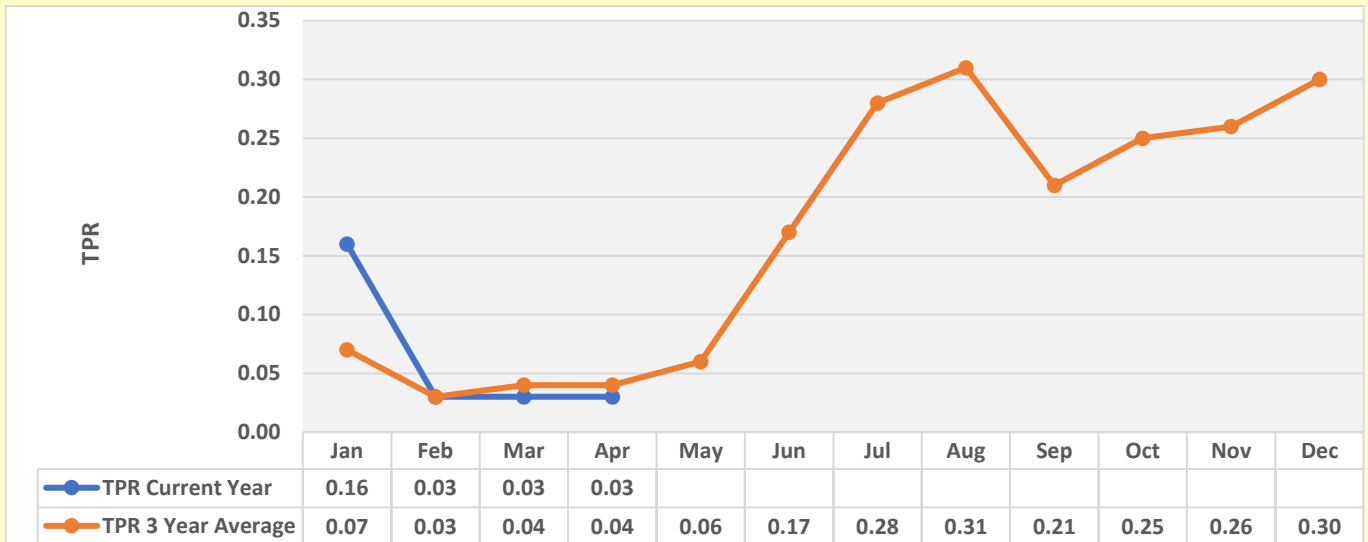
There is an increase of BSE by 34.33% up to April, 2024 as compared to last three years average cumulative and also an increase of BSE by 13.78% up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 2: MONTH WISE TREND OF TPC IN MEGHALAYA**



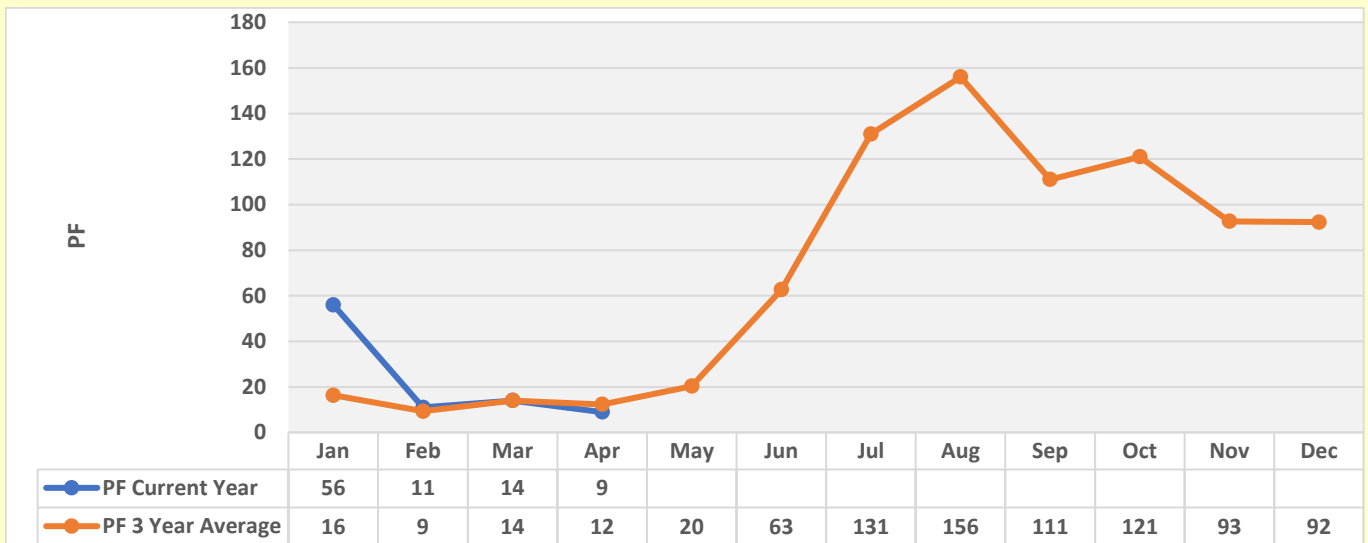
There is an increase of TPC by 76.37% up to April, 2024 as compared to last three years average cumulative and also an increase of TPC by 69.84% up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 3: MONTH WISE TREND OF TPR IN MEGHALAYA**



The TPR was 0.06 up to April, 2024 as compared to 0.04 last three years average and 0.04 up to April, 2023

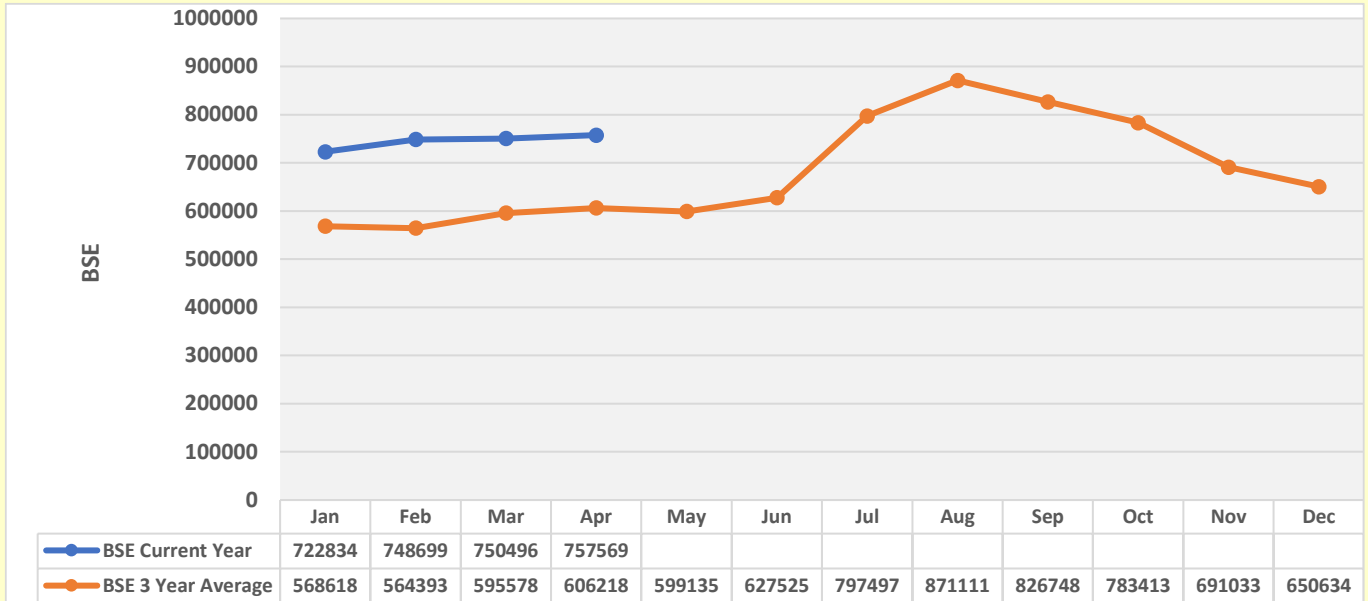
**GRAPH 4: MONTH WISE TREND OF PF IN MEGHALAYA**



There is an increase of PF by 73.08% up to April, 2024 as compared to last three years average cumulative and also an increase of PF by 55.17% up to April, 2024 vis-à-vis up to April, 2023.

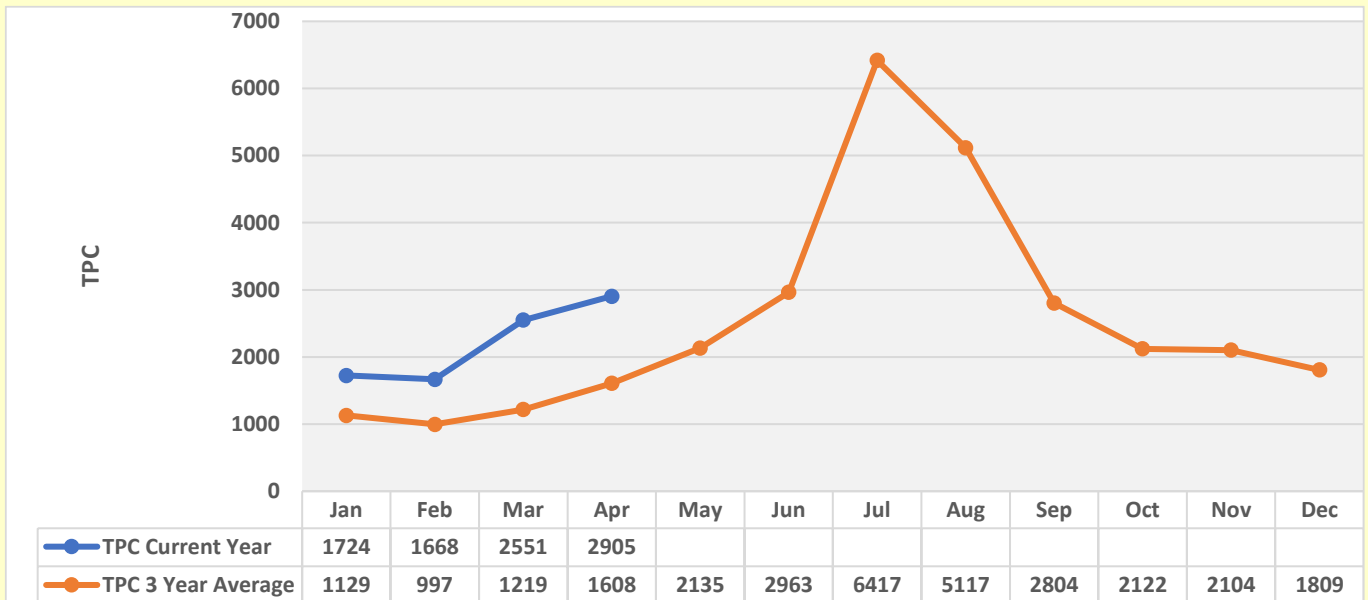
# ODISHA

**GRAPH 1: MONTH WISE TREND OF BSE IN ODISHA**



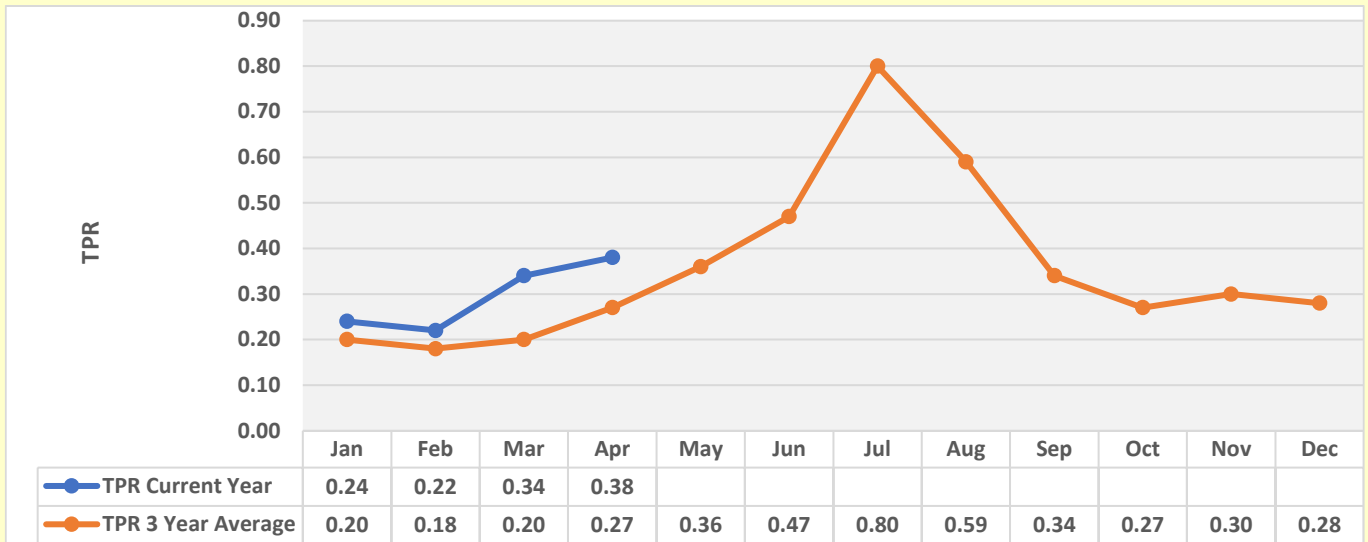
There is an increase of BSE by 27.62% up to April, 2024 as compared to last three years average cumulative and also an increase of BSE by 7.96% up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 2: MONTH WISE TREND OF TPC IN ODISHA**



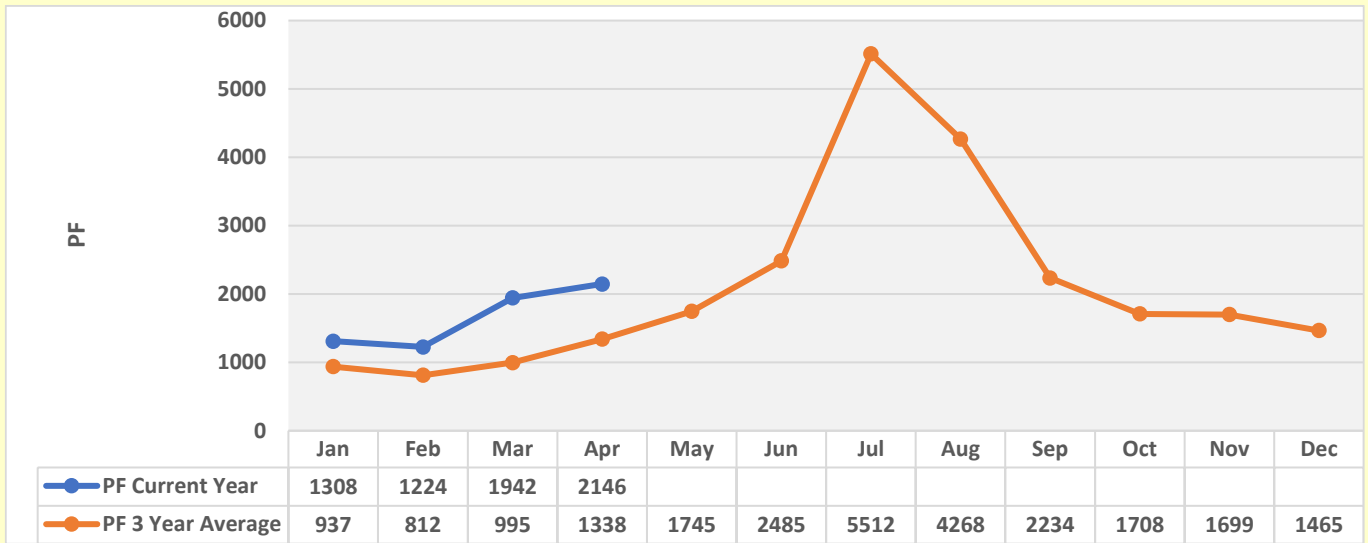
There is an increase of TPC by 78.65% up to April, 2024 as compared to last three years average cumulative and also an increase of TPC by 31.88% up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 3: MONTH WISE TREND OF TPR IN ODISHA**



The TPR was 0.3 up to April, 2024 as compared to 0.21 last three years average and 0.24 up to April, 2023

**GRAPH 4: MONTH WISE TREND OF PF IN ODISHA**

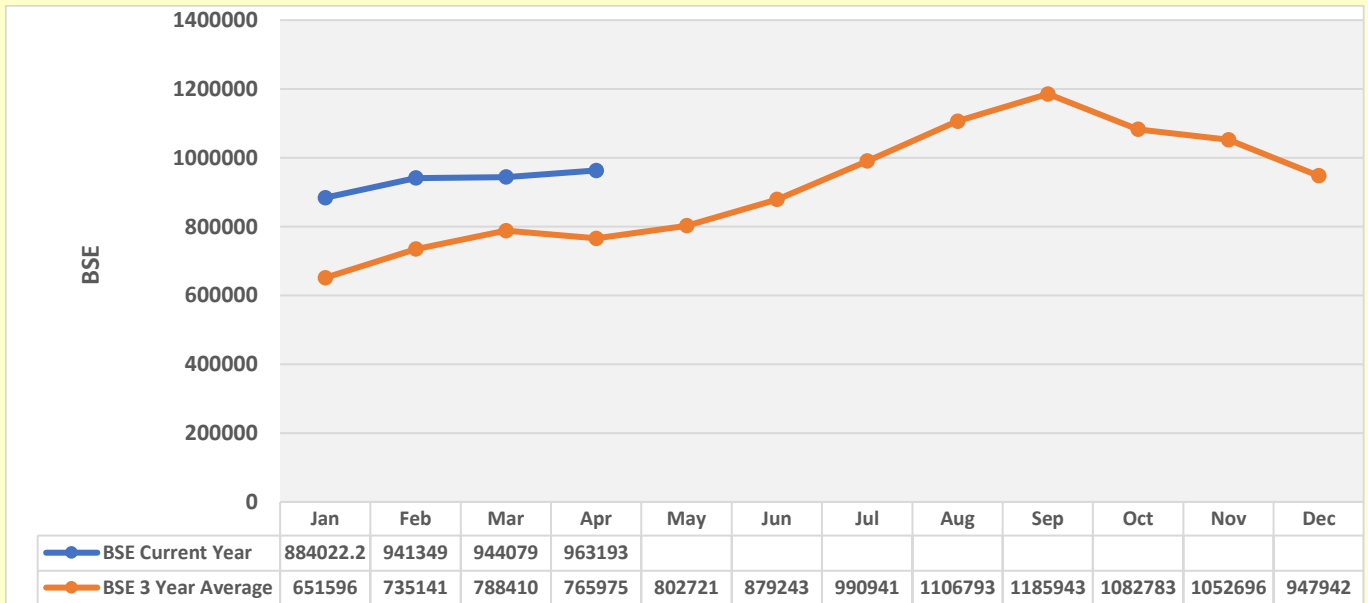


There is an increase of PF by 62.15% up to April, 2024 as compared to last three years average cumulative and also an increase of PF by 24.51% up to April, 2024 vis-à-vis up to April, 2023.



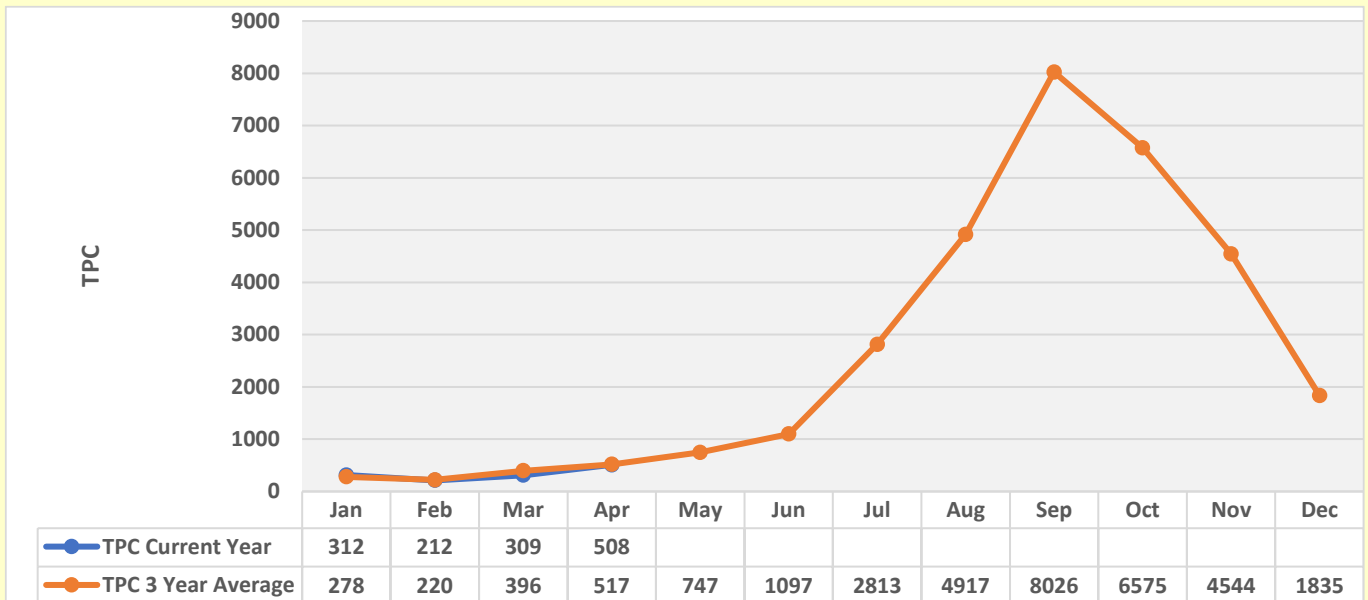
# WEST BENGAL

**GRAPH 1: MONTH WISE TREND OF BSE IN WEST BENGAL**



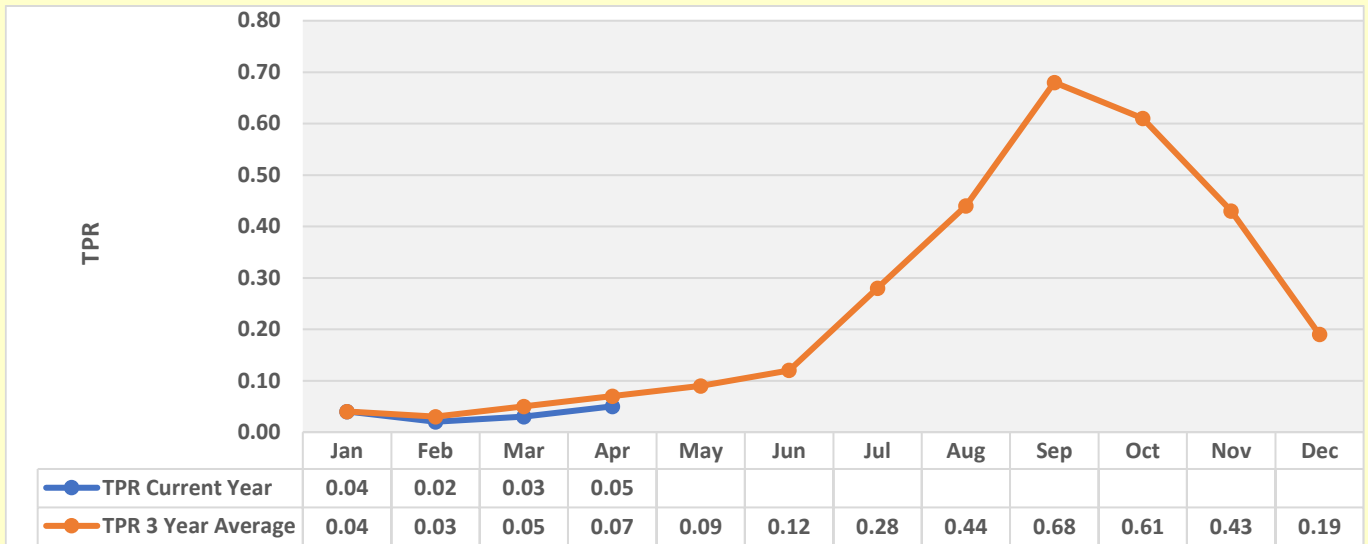
There is an increase of BSE by 26.91% up to April, 2024 as compared to last three years average cumulative and also an increase of BSE by 8.38% up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 2: MONTH WISE TREND OF TPC IN WEST BENGAL**



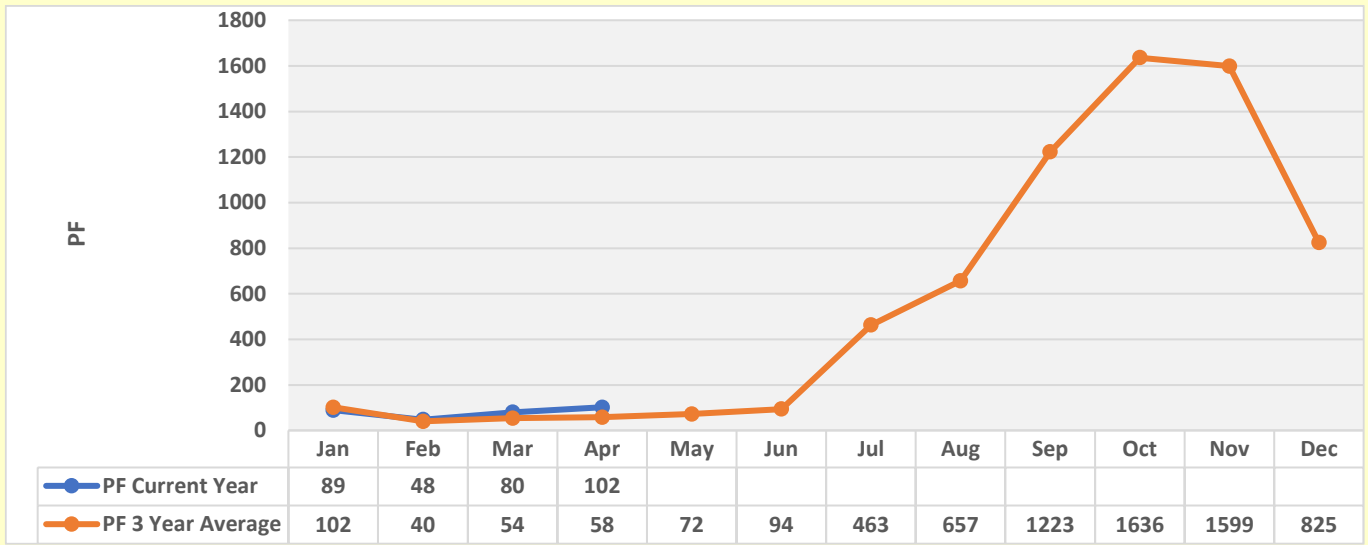
There is a decrease of TPC by 5.01% up to April, 2024 as compared to last three years average cumulative and also a decrease of TPC by 26.52% up to April, 2024 vis-à-vis up to April, 2023.

**GRAPH 3: MONTH WISE TREND OF TPR IN WEST BENGAL**



The TPR was 0.04 up to April, 2024 as compared to 0.05 last three years average and 0.05 up to April, 2023

**GRAPH 4: MONTH WISE TREND OF PF IN WEST BENGAL**



There is an increase of PF by 25.1% up to April, 2024 as compared to last three years average cumulative but a decrease of PF by 1.85% up to April, 2024 vis-à-vis up to April, 2023.

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
	<b>Input</b>	<b>% of Additional Staff in Place (MTS, LT, DVBD Consultant)</b>
9	Input	No of RDTs & ACTs planned versus received & used.
10	Input	% of spray equipment in working condition
11	Input	% of spray workers trained
	<b>Process</b>	<b>BCC Activities</b>
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%