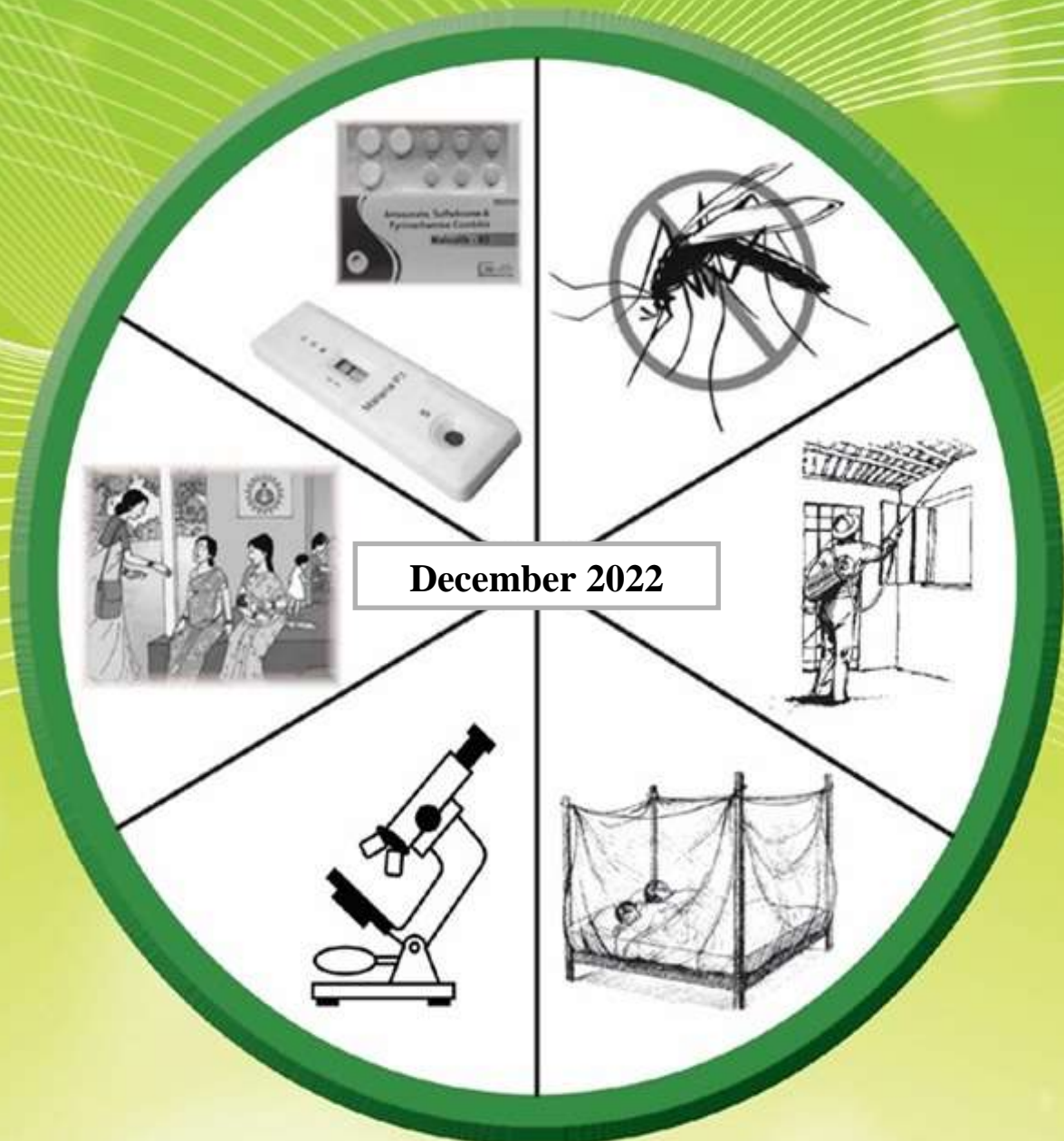


Monthly Malaria Situation of Category - 1 States/UTs



Monitoring and Evaluation Division
National Center for Vector Borne Diseases Control
Dte. GHS, MoHFW, Govt. of India, New Delhi

Situational Analysis, Trends and Action Points

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*State categorization as per API – 2021 status

INTRODUCTION & SUMMARY SHEET

The surveillance information of Malaria of December, 2022 in Category-1 states is enclosed in this Monthly Malaria Information Situation Report. The various indicators analyzed in this report are Blood Slide Examination (BSE¹), Total Positive Cases (TPC²), Total Positive Rate (TPR³) and Plasmodium Falciparum (PF⁴).

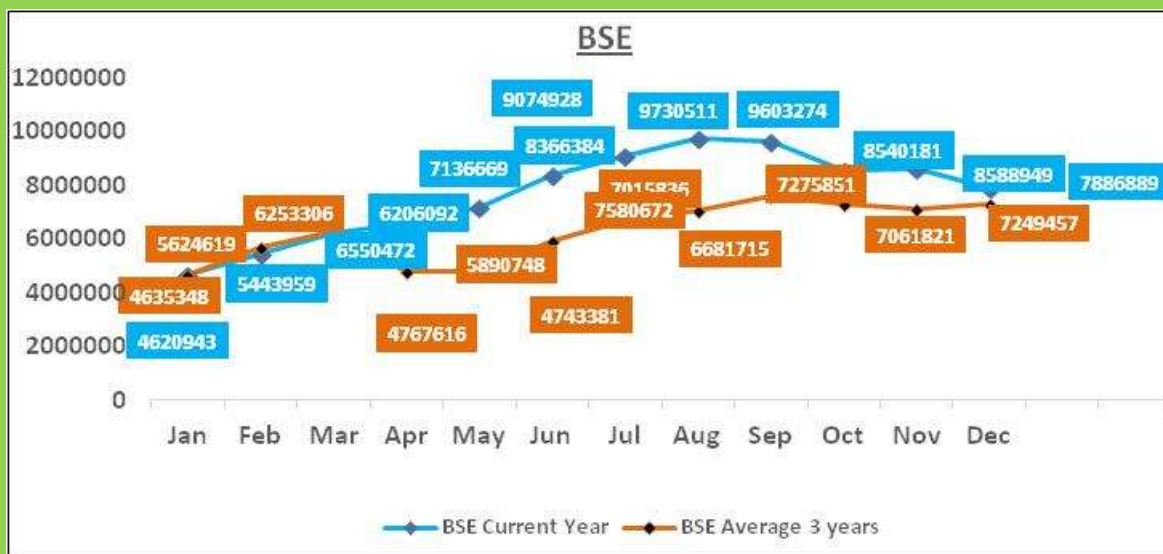
¹ BSE: No of blood slides examined

² TPC: No of total positive malaria cases

³ TPR: (TPC/100)*BSE

⁴ PF: No of Plasmodium Falciparum malaria cases

GRAPH 1: MONTH WISE TREND OF BSE IN CATEGORY – 1 STATES



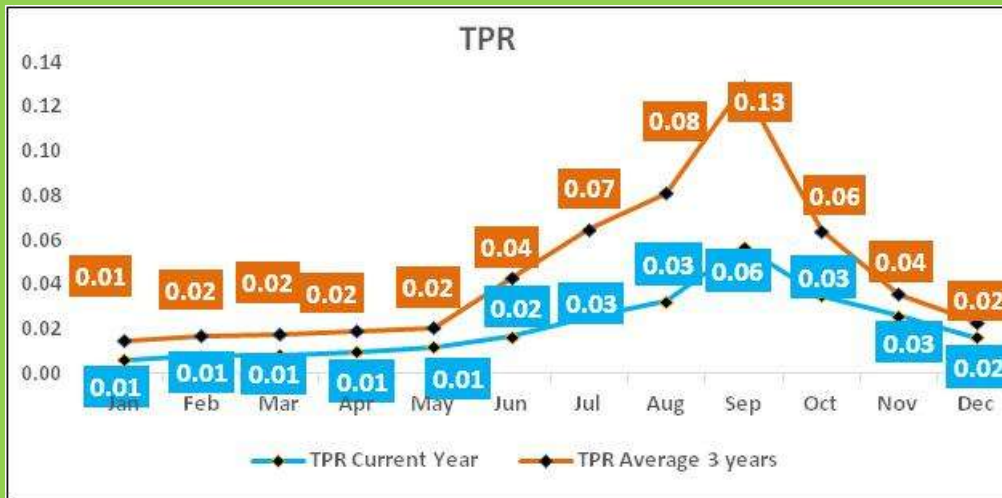
There is an increase of BSE by 27.9% upto December, 2022 and 16.7% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN CATEGORY – 1 STATES



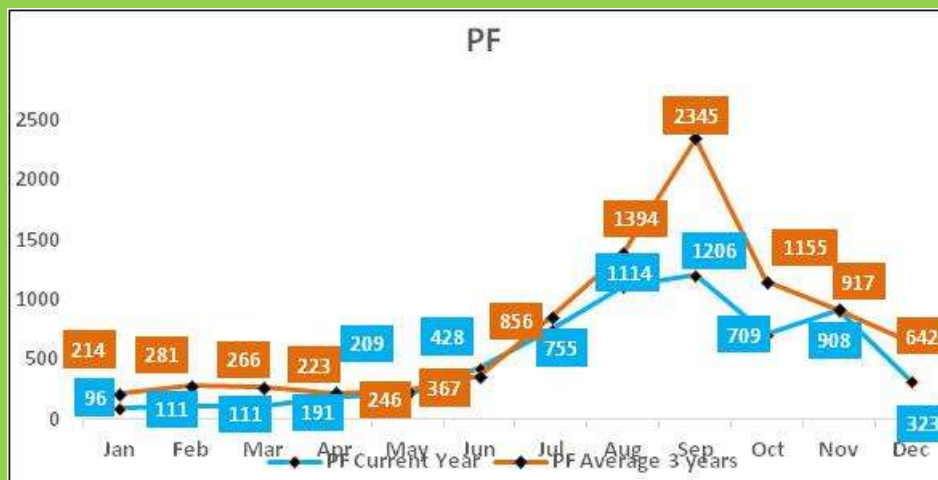
There is a decline of TPC by 69.6% upto December, 2022 and 0.52% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN CATEGORY – 1 STATES



The TPR was 0.02 upto December, 2022 as compared to 0.10 for last three years average and 0.03 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN CATEGORY – 1 STATES



There is decline of PF by 59.3% upto December, 2022 and 0.68% during December, 2022 as compared to last three years average cumulative.

List of Districts showing a decrease in Surveillance in the Category 1 States

S. No.	States / UTs	Districts Showing a decrease in Surveillance
1	Andhra Pradesh	Vizianagaram, Visakhapatnam, Srikakulam, SPSR Nellore, Prakasam, Krishna
2	Arunachal Pradesh	West Siang, West Kameng, Upper Subansiri, Upper Siang, Tirap, Tawang, Siang, Namsai, Lower Subansiri, Lower Siang, Lower Dibang Valley, Longding, Lohit, Kurung Kumey, East Kameng, Changlang, Anjaw
3	Assam	Udalguri, Tinsukia, Sivasagar, Marigaon, Majuli, Lakhimpur, Kokrajhar, Karimganj, Jorhat, Hailakandi, Golaghat, Goalpara, Dima Hasao, Dhemaji, Darrang, Chirang, Cachar, Bongaigaon, Barpeta, Baksa
4	Bihar	Vaishali, Supaul, Siwan, Sitamarhi, Sheikhpura, Saran, Samastipur, Saharsa, Rohtas, Purnia, Pashchim Champaran, Nawada, Nalanda, Munger, Madhubani, Madhepura, Lakhisarai, Kishanganj, Khagaria, Jehanabad, Gaya, Buxar, Bhagalpur, Arwal, Araria
5	Gujarat	Tapi, Sabar kantha, Porbandar, Patan, Jamnagar, Gir Somnath, Dohad, Devbhumi Dwarka, Dang, Chhotaudepur, Botad, Bharuch, Amreli
6	Haryana	Sirsa, Palwal, Nuh, Kaithal, Gurugram
7	Himachal Pradesh	Solan, Sirmaur, Kullu, Chamba
8	Karnataka	U.K.P.N. PURA#, Ballari, A.M.U. B. Gudi#
9	Lakshadweep	Lakshadweep District
11	Madhya Pradesh	Vidisha, Umaria, Ujjain, Tikamgarh, Sidhi, Sheopur, Shajapur, Ratlam, Raisen, Panna, Narsinghpur, Katni, Indore, Hoshangabad, Guna, Betul, Balaghat, Ashoknagar, Anuppur, Agar Malwa
m	Manipur	Ukhrul, Thoubal, Tengnoupal, Tamenglong, Senapati, Pherzawl, Noney, Kangpokpi, Kamjong, Kakching, Jiribam, Imphal West, Imphal Urban#, Imphal East, Churachandpur, Chandel, Bishnupur
12	Nagaland	Zunheboto, Wokha, Phek, Peren, Longleng, Kohima, Kiphire
13	Punjab	S.A.S Nagar, Fatehgarh Sahib, Bathinda
14	Rajasthan	Jhalawar, Hanumangarh, Ganganagar, Bharatpur
15	Sikkim	Namchi, Gangtok
16	Tamil Nadu	Tiruppur, Coimbatore
17	Telangana	Wanaparthy, Suryapet, Rajanna Sircilla, Peddapalli, Narayanpet, Nagarkurnool, Mulugu, Mahabubabad, Kumuram Bheem Asifabad, Kamareddy, Jogulamba Gadwal, Jayashankar Bhupalapally, Adilabad
18	Uttar Pradesh	Bijnor
19	Andaman And Nicobar Islands	South Andamans, Nicobars
20	The Dadra And Nagar Haveli And Daman And Diu	Daman

Current month data is compared with same month previous year data

Objectives and Key Interventions of Category 1 States / UTs

Objectives	Key Interventions
<ul style="list-style-type: none"> • Interrupt transmission of malaria • Immediately notify each detected case • Detect any possible continuation of malaria transmission • Determine the underlying causes of residual transmission • Forecast and prevent any unusual situations related to malaria; ensure epidemic preparedness and respond in a timely and efficient manner to outbreak situations • Prevent re – establishment of local transmission of malaria 	<ul style="list-style-type: none"> • All efforts will be directed at interrupting local transmission in all active foci of malaria. • Mandatory notification of each case of malaria from the private sector, other organized government sectors or any other health facility. • Adequate case - based surveillance and complete case management established and fully functional across the entire country to handle each case of malaria. • Investigation and classification of all foci of malaria. • A strict total coverage of all active foci by effective vector control measures. • Early detection and treatment of all cases of malaria by means of ACD and / or PCD to prevent onward transmission. • State and national level malaria elimination database established and made operational. • Implementation of interventions for effective screening, management and prevention of malaria among mobile and migrant populations. • Establishment of an effective epidemic forecasting and response system. • Ensuring rigorous quality assurance of all medicines and diagnostics. • Setting up a national - level reference laboratory to serve following two functions:- <ol style="list-style-type: none"> 1. All positive and a fixed percentage of negative slides will be referred to this laboratory for confirmation of diagnosis and cross - checking. After elimination has been achieved in each State / UT, 100% of cases will be notified to this laboratory for confirmation of diagnosis. The laboratory will be notified immediately on all positive cases of malaria by each State / UT through either SMS, e-mail or telephone with information on name, gender, address (village and district), date and type of testing and type of parasite for each positive case of malaria so that a national level database can be maintained. 2. Training of master trainers and accreditation / certification of microscopists as per Indian Public Health Standards shall also be undertaken at this laboratory. • During investigation of foci, all suspected cases of malaria are to be screened for malaria. These could include household members, neighbours, school children, workplace colleagues and relatives. • During investigation of foci, all suspected cases of malaria are to be screened for malaria. These could include household members, neighbours, school children, workplace colleagues and relatives. • Surveillance of special groups, migrant populations or populations residing in the vicinity of industrial areas are also to be covered under surveillance operations.

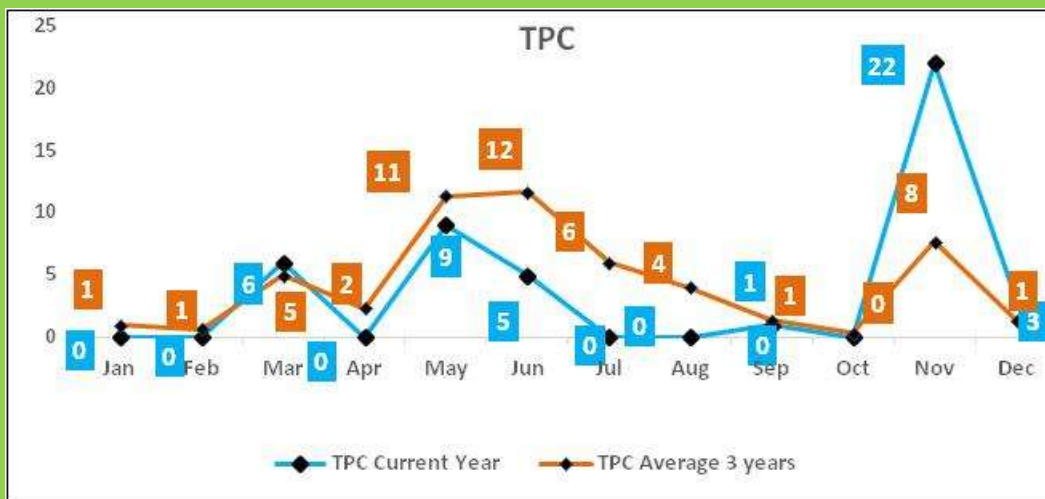
ANDAMAN & NICOBAR ISLAND

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



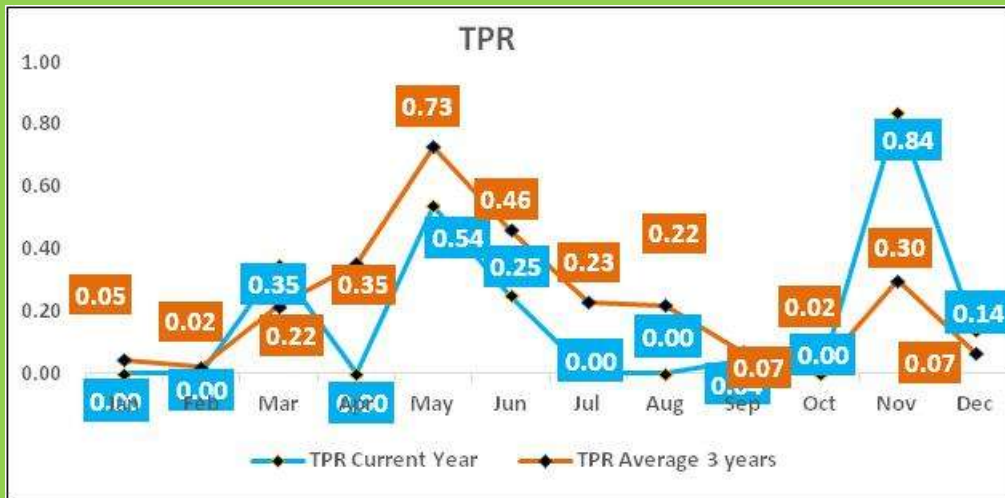
There is a decrease of BSE by 15.7% upto December, 2022 and 8% during December, 2022 as compared to last three years average cumulative.

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



There is a decline of TPC by 55.9% upto December, 2022 but increase of 0.5% during December, 2022 as compared to last three years average cumulative.

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



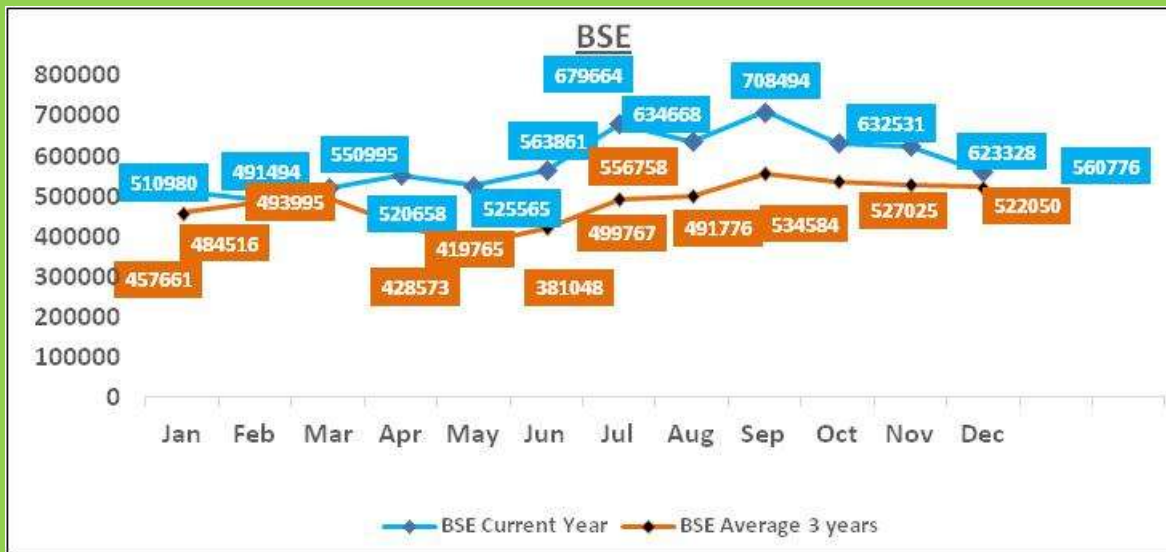
The TPR was 0.18 upto December, 2022 as compared to 0.33 for last three years average and 0.10 upto December, 2021.

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



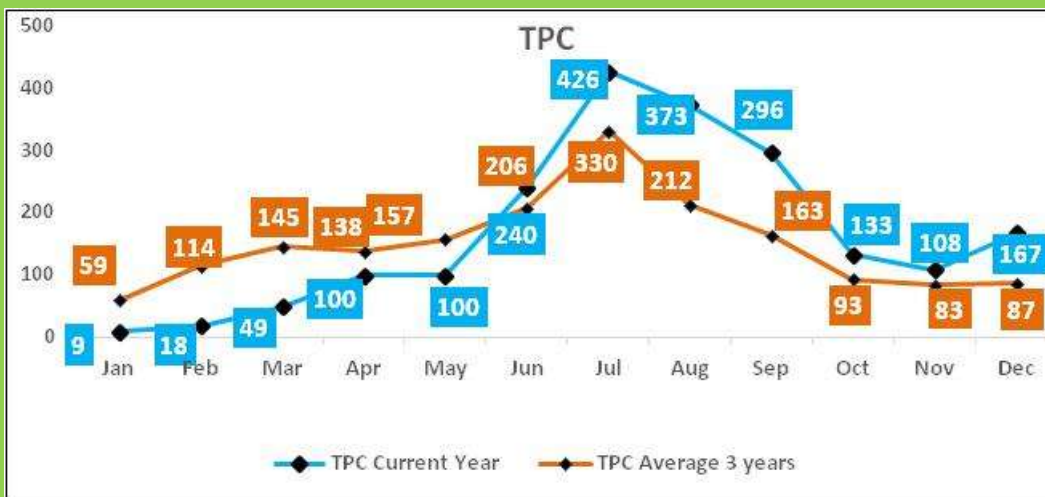
There is a decline of PF by 38.6% upto December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN ANDHRA PRADESH



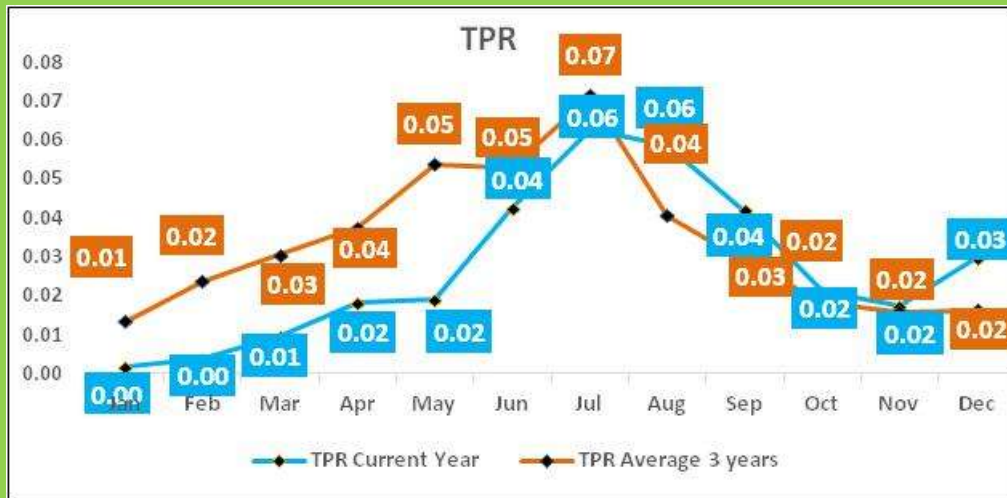
There is an increase of BSE by 23.9% upto December, 2022 and 16% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN ANDHRA PRADESH



There is a decrease of TPC by 6% upto December, 2022 but increase by 0.59% during December, 2022as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN ANDHRA PRADESH



The TPR was 0.03 upto December, 2022 as compared to 0.04 for last three years average and 0.02 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN ANDHRA PRADESH



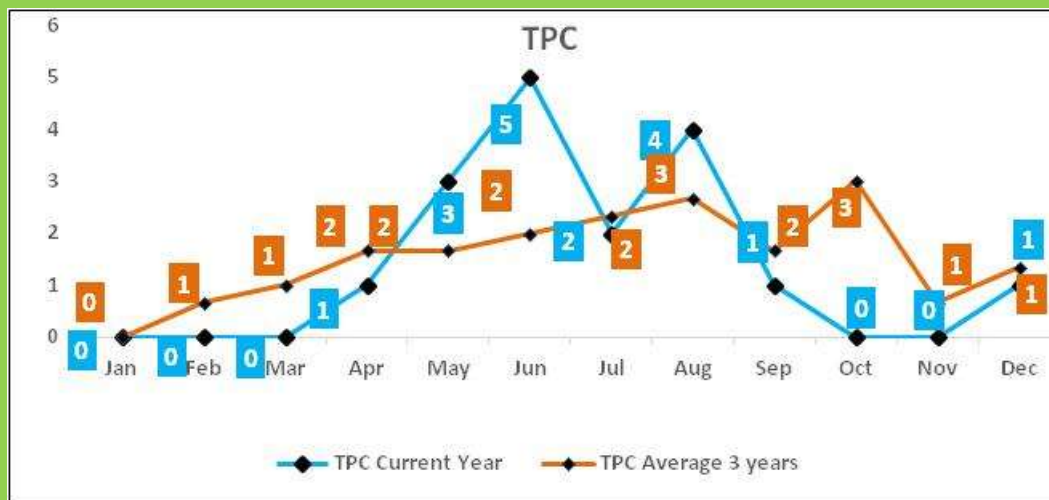
There is a decline of PF by 9% upto December, 2022 but increase of 0.63% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN ARUNACHAL PRADESH



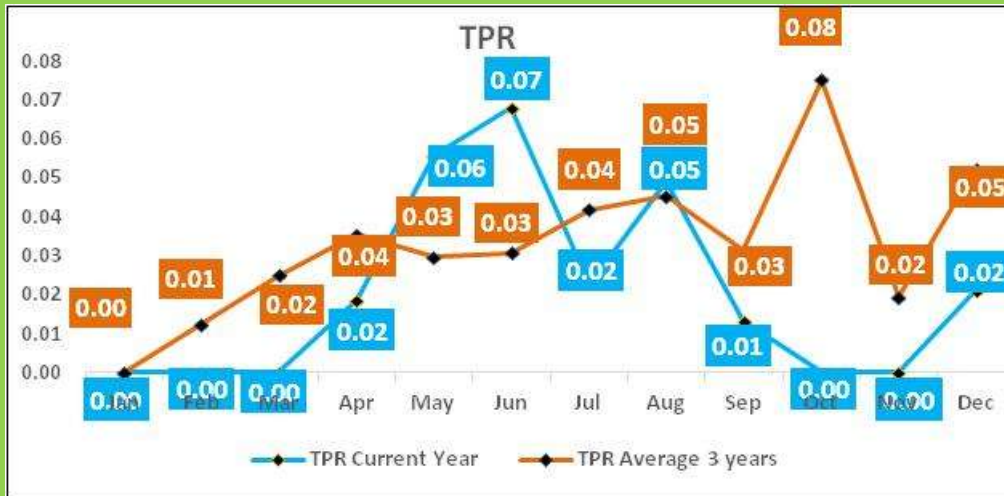
There is decline of BSE by 13.7% upto December, 2022 but increase of 18.4% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN ARUNACHAL PRADESH



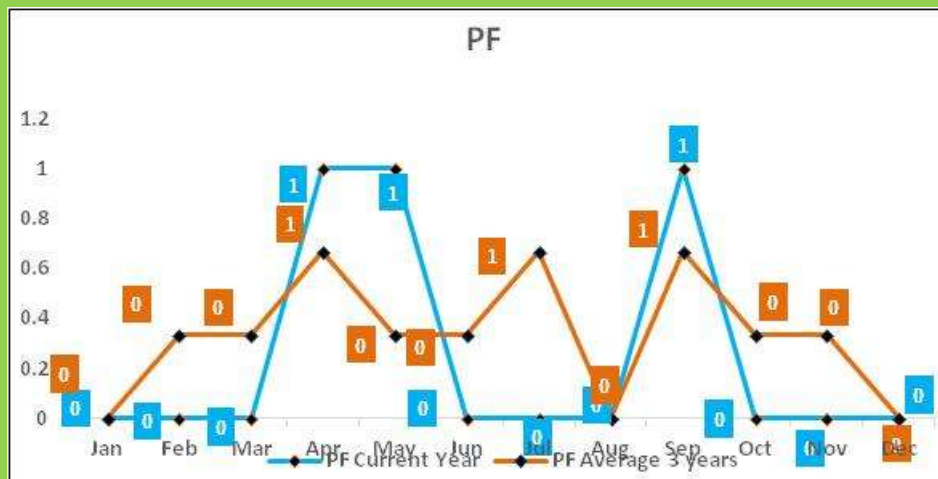
There is a decrease of TPC by 77.7% upto December, 2022 and 0.50% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN ARUNACHAL PRADESH



The TPR was 0.02 Upto December, 2022 as compared to 0.07 for last three years average and 0.02 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN ARUNACHAL PRADESH



There is decline of PF by 72.7% upto December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN ASSAM



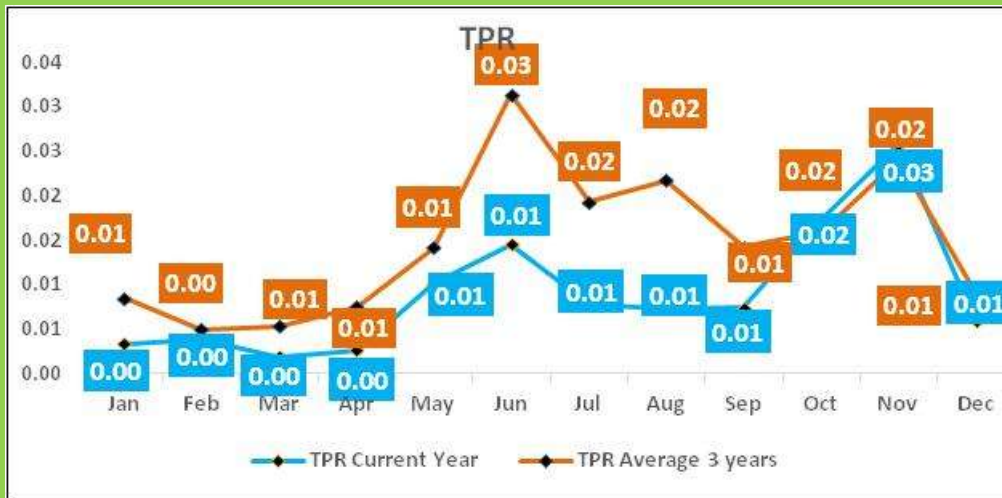
There is an increase of BSE by 5.2% upto December, 2022 and 17.6% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN ASSAM



There is a decrease of TPC by 60.1% upto December, 2022 and 0.81% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN ASSAM



The TPR was 0.01 Upto December, 2022 as compared to 0.02 for last three years average and 0.01 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN ASSAM



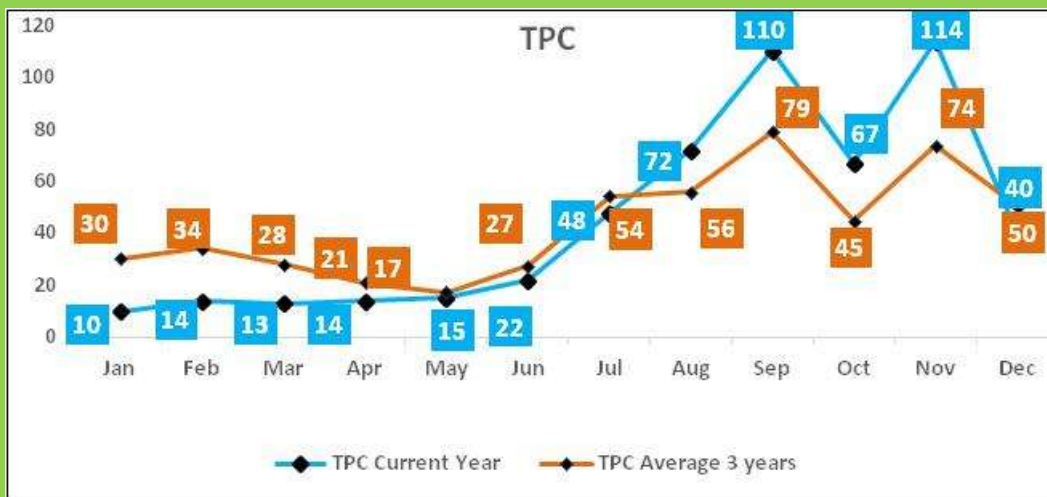
There is decline of PF by 70.5% upto December, 2022 and 0.82% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN BIHAR



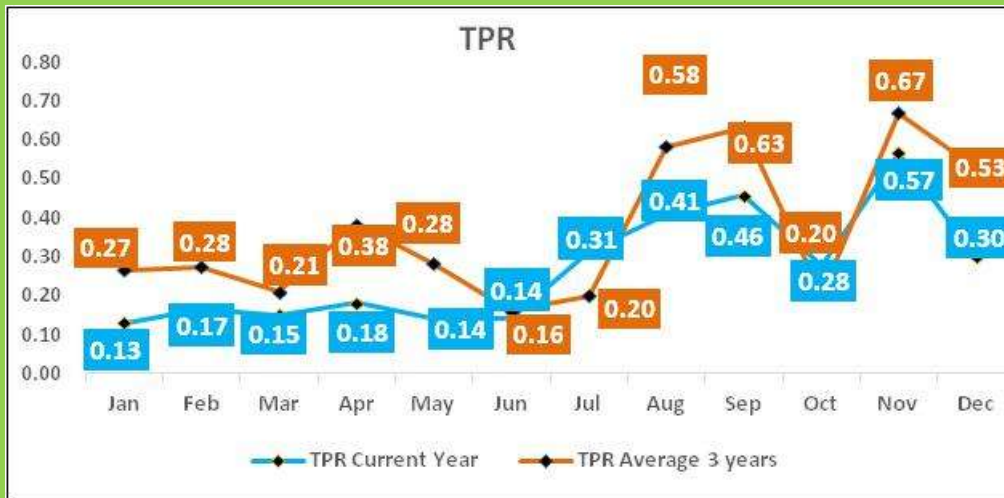
There is decline of BSE by 1.5% upto December, 2022 but increase of 46.6% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN BIHAR



There is a decrease of TPC by 34% upto December, 2022 and 0.25% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN BIHAR



The TPR was 0.31 upto December, 2022 as compared to 0.49 for last three years average and 0.22 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN BIHAR



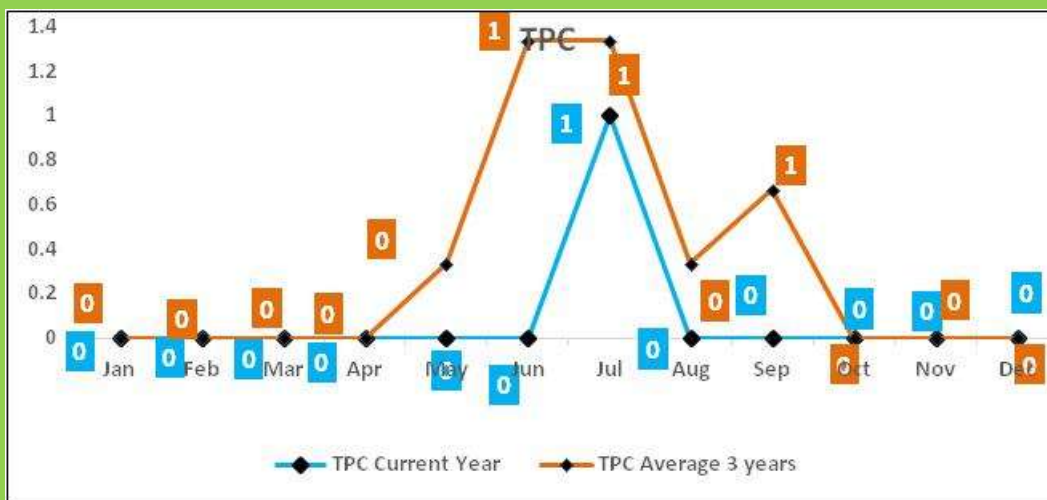
There is decline of PF by 25.8% upto December, 2022 and 0.62% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN CHANDIGARH



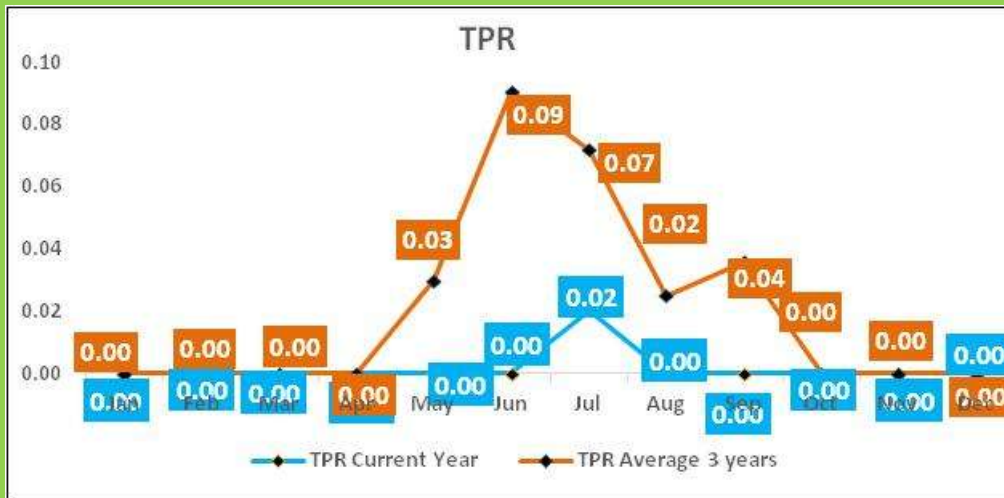
There is an increase of BSE by 45.6% upto December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN CHANDIGARH



There is a decrease of TPC by 81.3% upto December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN CHANDIGARH



The TPR was nil upto December, 2022 as compared to 0.02 for last three years average and 0.01 upto December, 2021.

MONTH WISE TREND OF PF IN CHANDIGARH

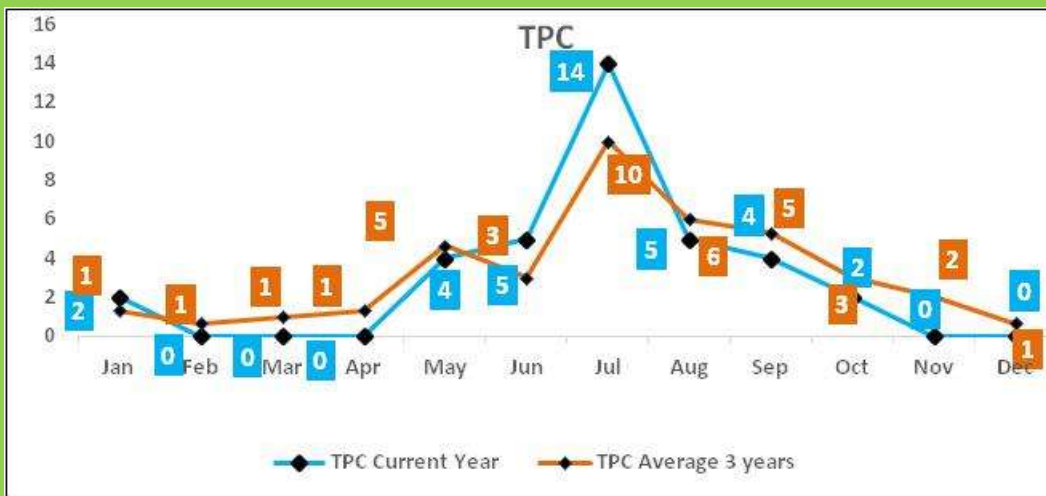
Nil PF case was reported upto December, 2022.

GRAPH 1: MONTH WISE TREND OF BSE IN DADAR & NAGAR HAVELI AND DAMAN & DIU



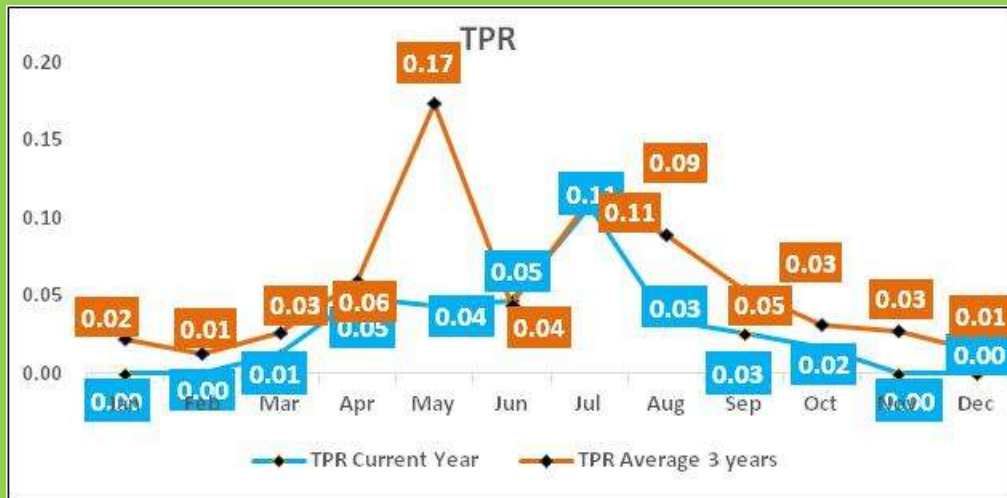
There is an increase of BSE by 76.7% upto December, 2022 and 70.3% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN DADAR & NAGAR HAVELI AND DAMAN & DIU



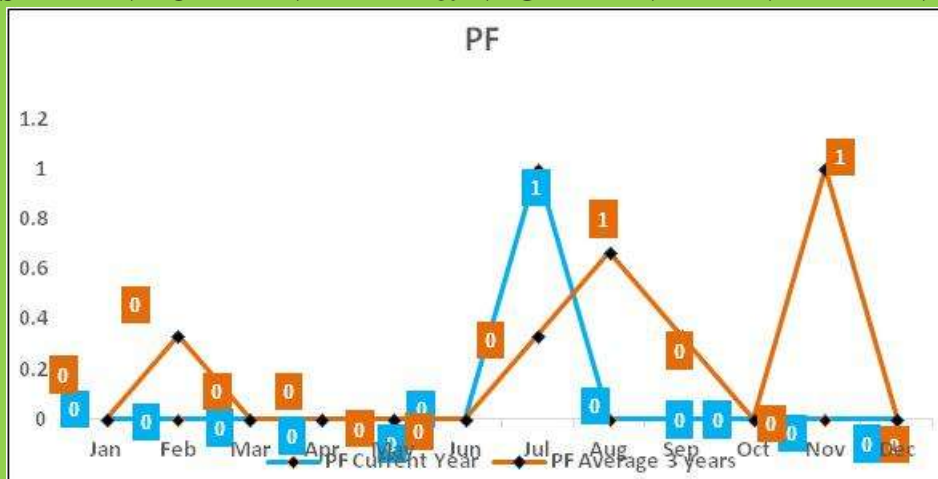
There is a decrease of TPC by 14% upto December, 2022 and 1% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN DADAR & NAGAR HAVELI AND DAMAN & DIU



The TPR was 0.03 upto December, 2022 as compared to 0.06 for last three years average and 0.06 upto December, 2021.

MONTH WISE TREND OF PF IN DADAR & NAGAR HAVELI AND DAMAN & DIU



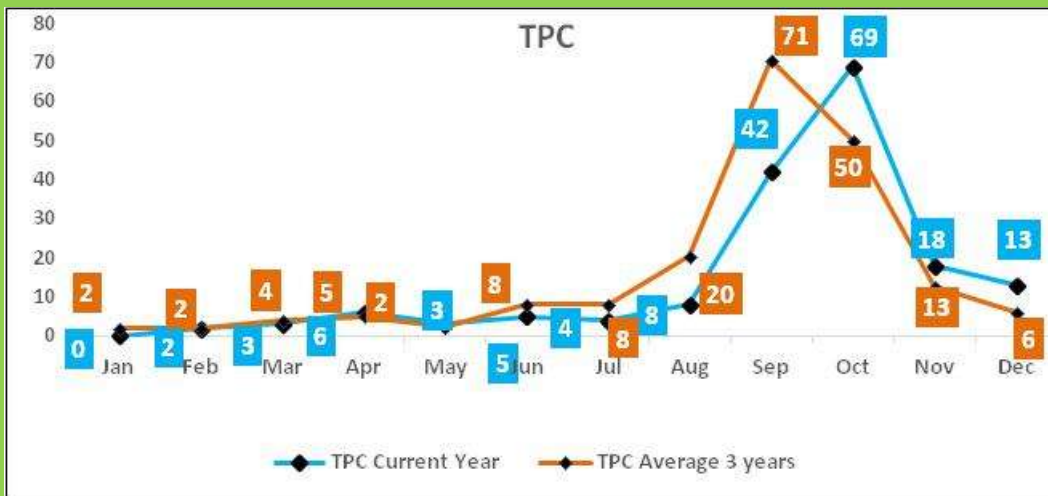
There is decline of PF by 70% upto December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN DELHI



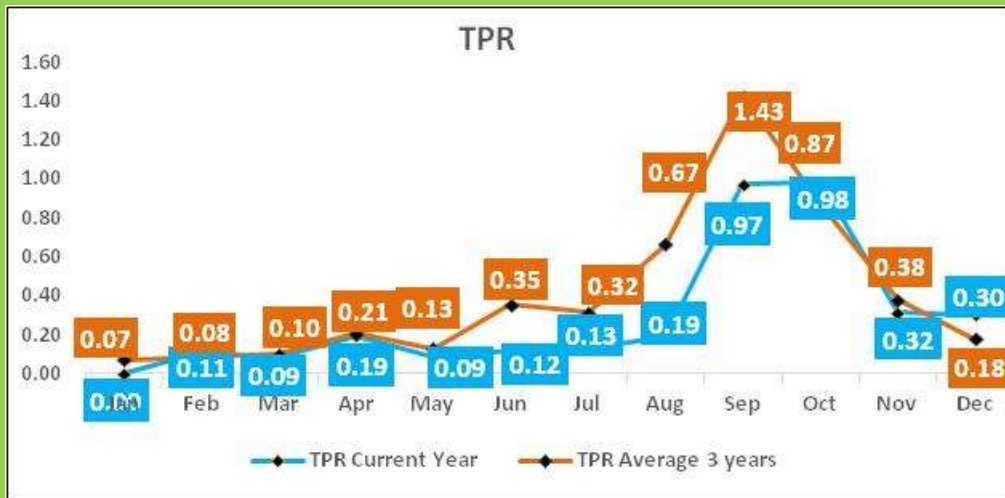
There is decline of BSE by 21.1% upto December, 2022 but increase of 47.1% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN DELHI



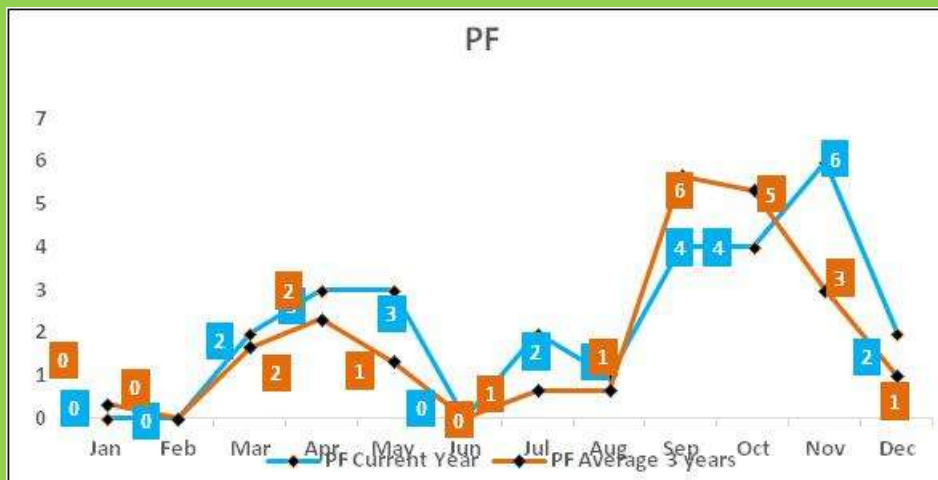
There is a decrease of TPC by 53.4% upto December, 2022 but increase by 0.18% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN DELHI



The TPR was 0.38 upto December, 2022 as compared to 0.60 for last three years average and 0.41 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN DELHI



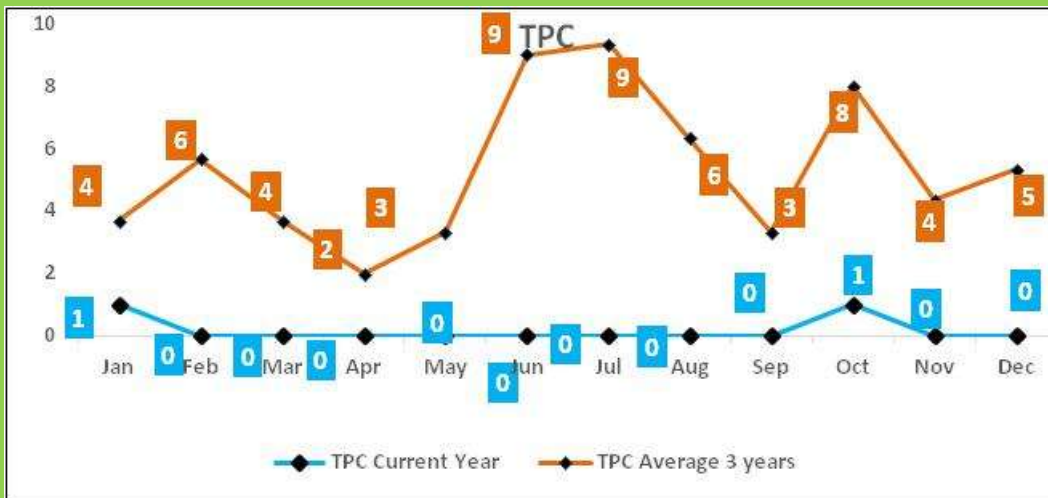
There is increase of PF by 39.7% upto December, 2022 and 0.50% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN GOA



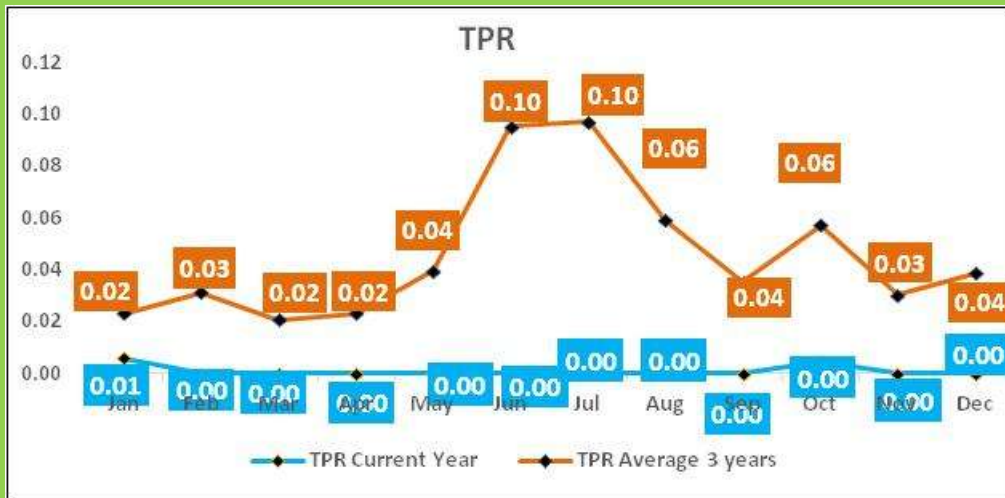
There is an increase of BSE by 7.5% upto December, 2022 and 12.4% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN GOA



There is a decrease of TPC by 98.7% upto December, 2022 and 1% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN GOA



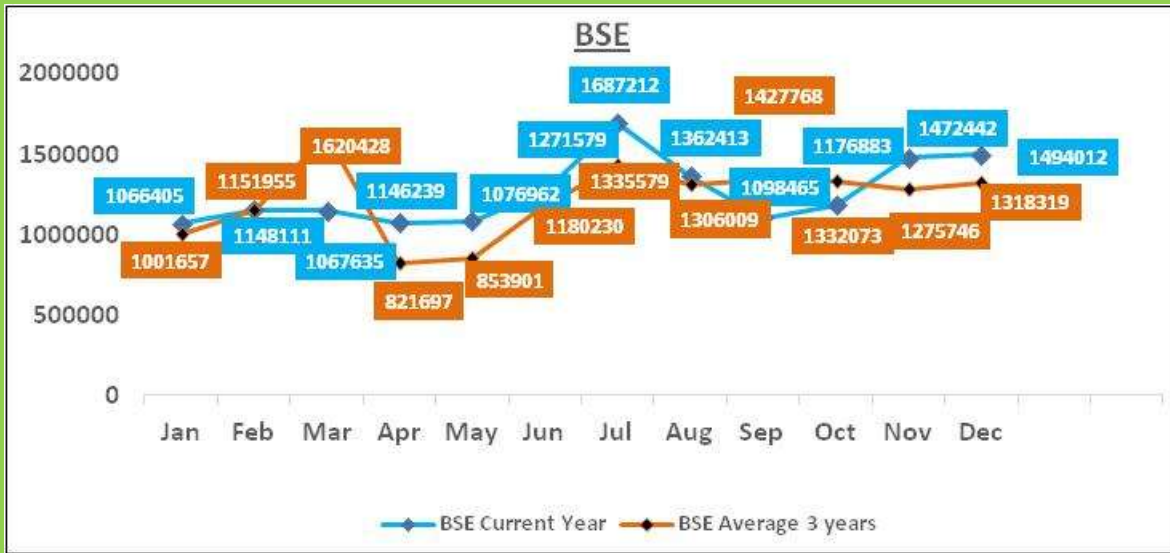
The TPR was nil upto December, 2022 as compared to 0.06 for last three years average and 0.05 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN GOA



There is decline of PF by 97.8% upto December, 2022 and 1% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN GUJARAT



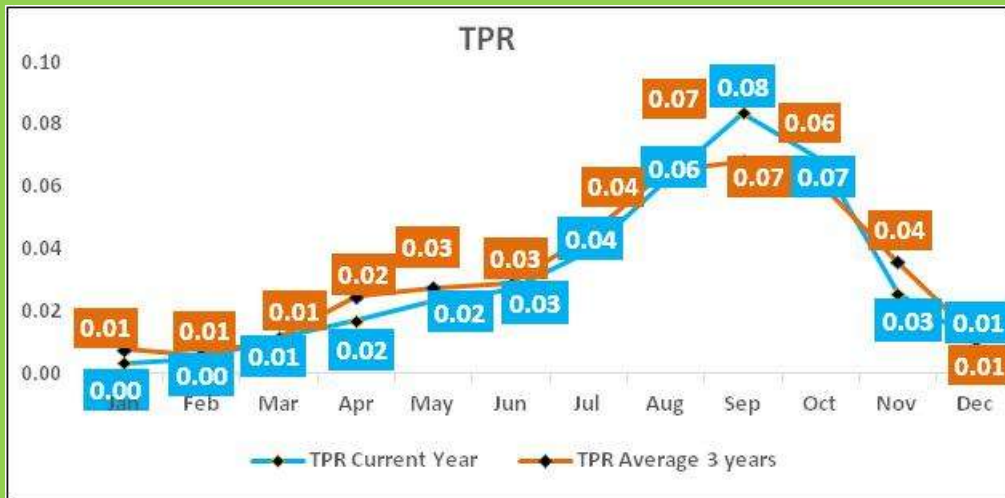
There is an increase of BSE by 0.3% upto December, 2022 and 27.5% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN GUJARAT



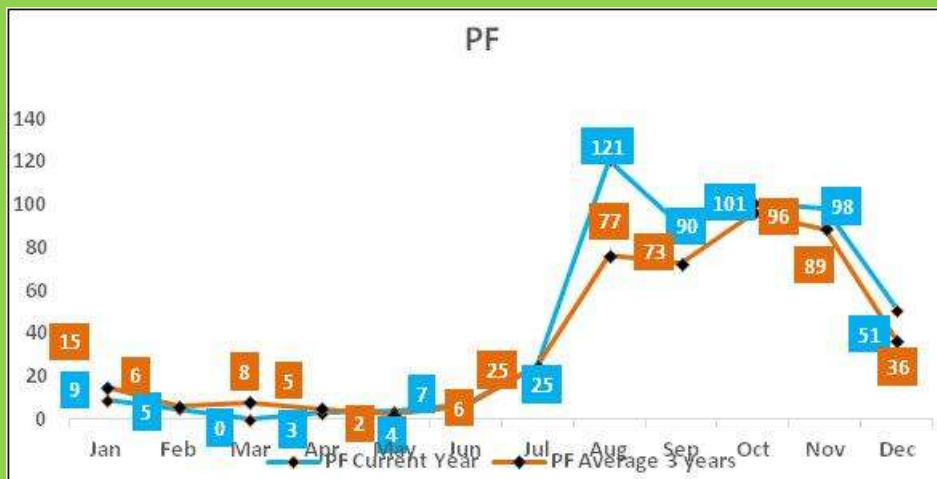
There is a decrease of TPC by 38.4% upto December, 2022 and 0.48% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN GUJARAT



The TPR was 0.03 upto December, 2022 as compared to 0.05 for last three years average and 0.03 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN GUJARAT



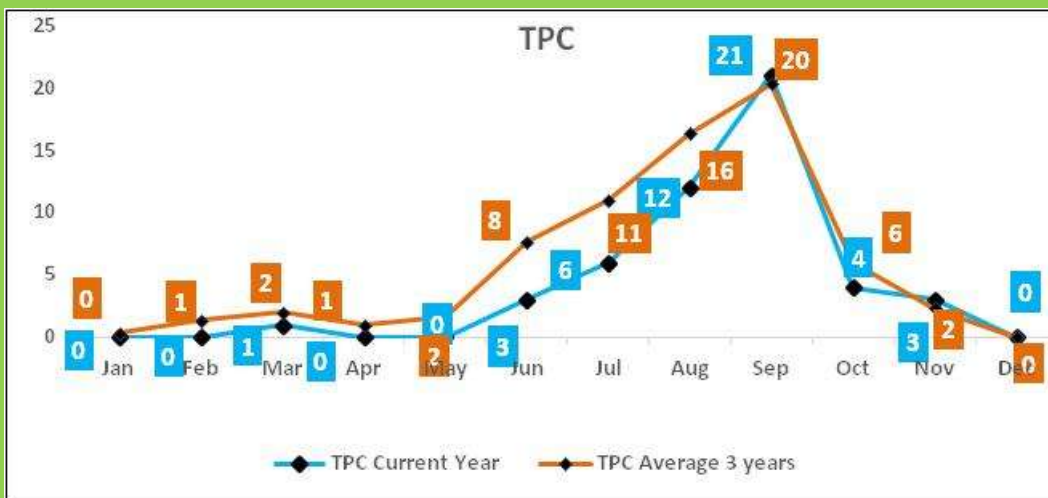
There is decrease of PF by 16.6% upto December, 2022 and 0.22% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN HARYANA



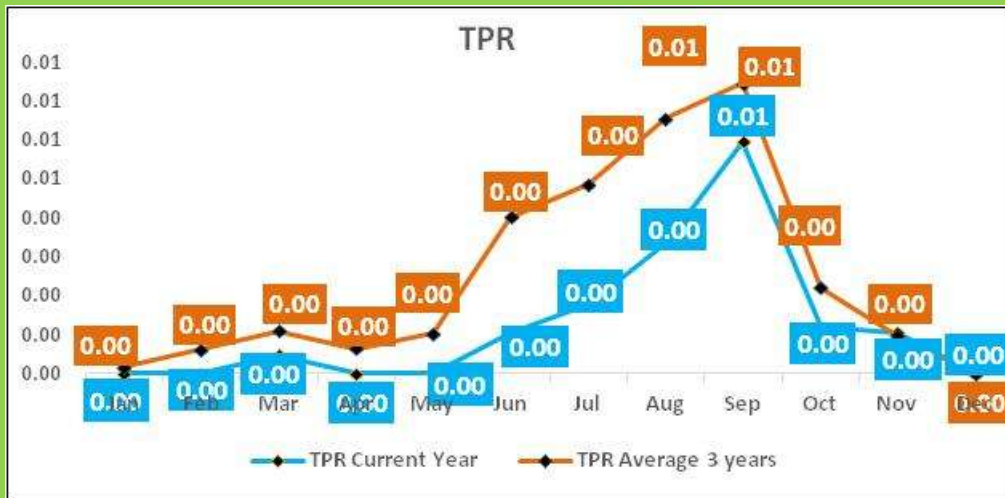
There is an increase of BSE by 22.1% upto December, 2022 and 25.6% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN HARYANA



There is a decrease of TPC by 86.7% upto December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN HARYANA



The TPR was nil upto December, 2022 as compared to 0.01 for last three years average and nil upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN HARYANA



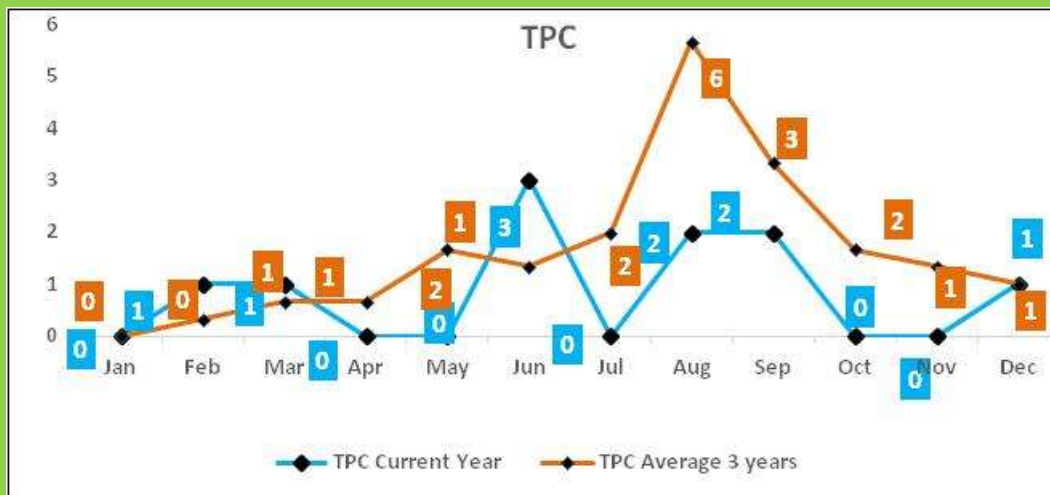
There is decline of PF by 96.7% upto December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN HIMACHAL PRADESH



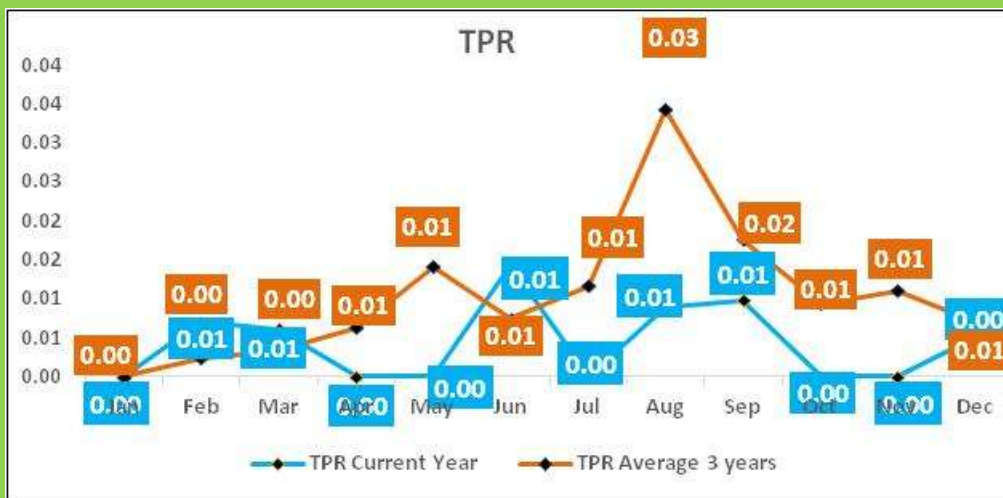
There is decline of BSE by 16.8% upto December, 2022 but increase of 14.9% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN HIMACHAL PRADESH



There is a decrease of TPC by 81% upto December, 2022 and 0.25% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN HIMACHAL PRADESH



The TPR was nil upto December, 2022 as compared to 0.02 for last three years average and 0.01 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN HIMACHAL PRADESH



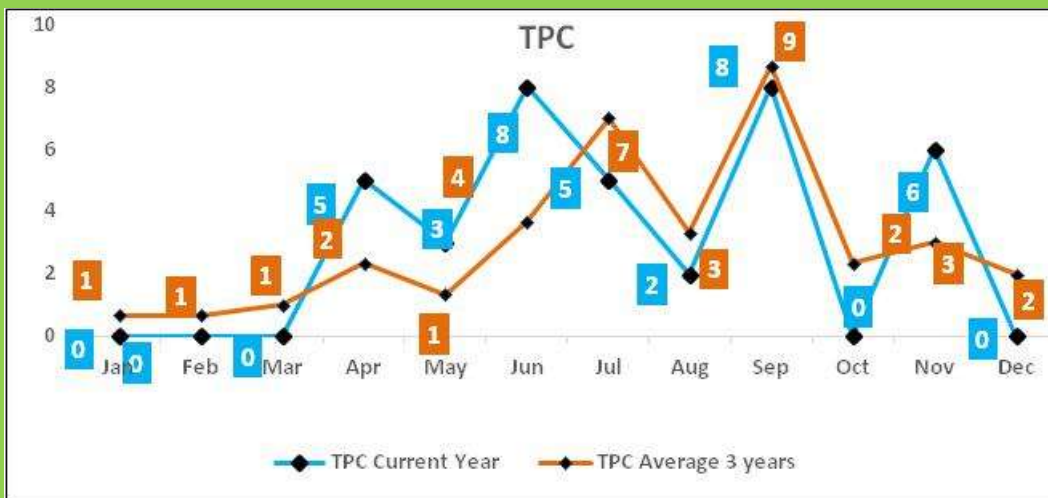
There is decline of PF by 78.6% upto December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN JAMMU & KASHMIR



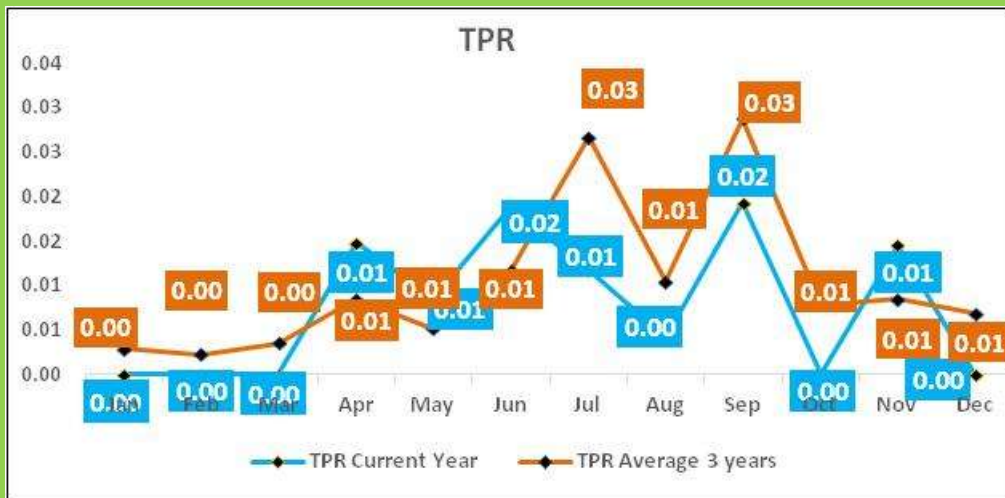
There is an increase of BSE by 36.6% upto December, 2022 and 22.9% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN JAMMU & KASHMIR



There is a decrease of TPC by 36.9% upto December, 2022 and 1% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN JAMMU & KASHMIR



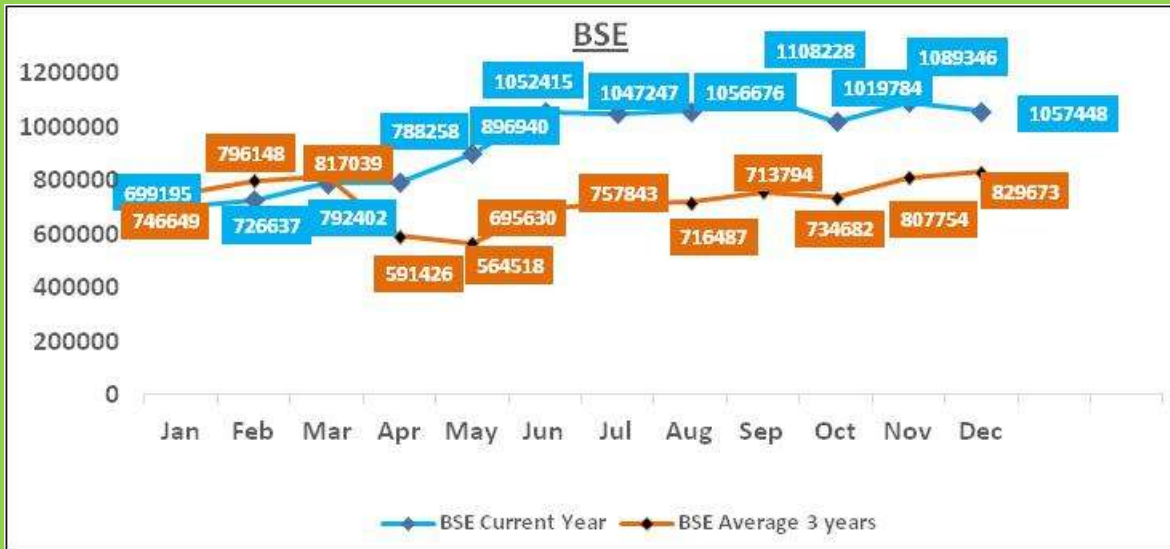
The TPR was 0.01 upto December, 2022 as compared to 0.02 for last three years average and 0.01 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN JAMMU & KASHMIR



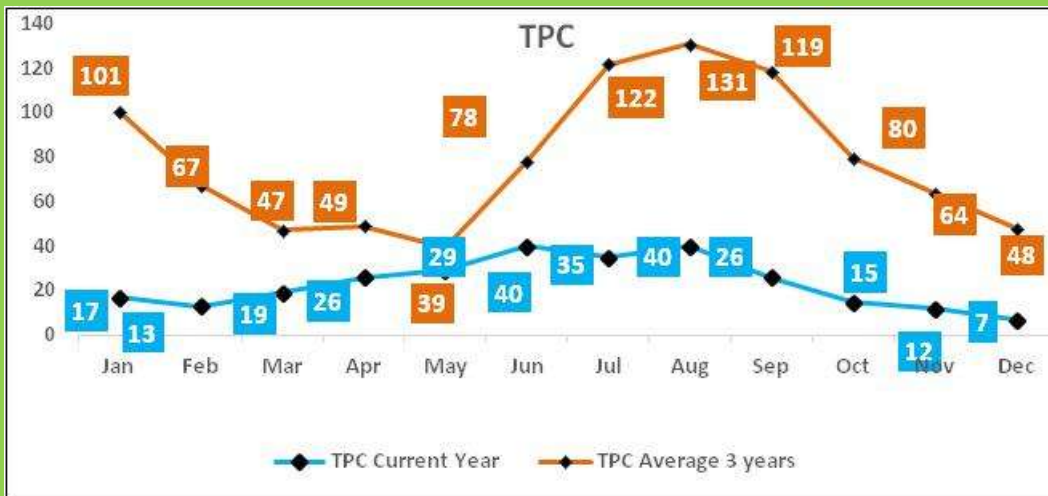
Single Pf has reported upto December, 2022.

GRAPH 1: MONTH WISE TREND OF BSE IN KARNATAKA



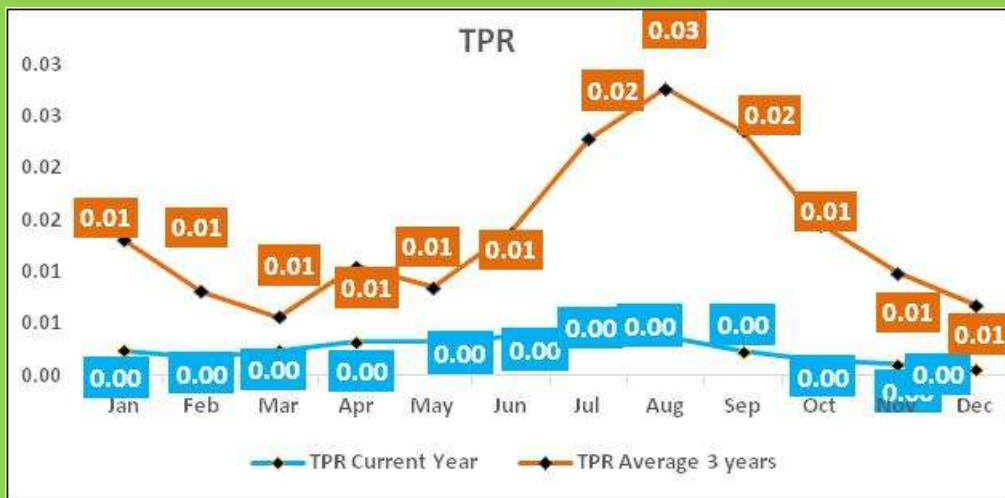
There is an increase of BSE by 29.7% upto December, 2022 and 34.8% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN KARNATAKA



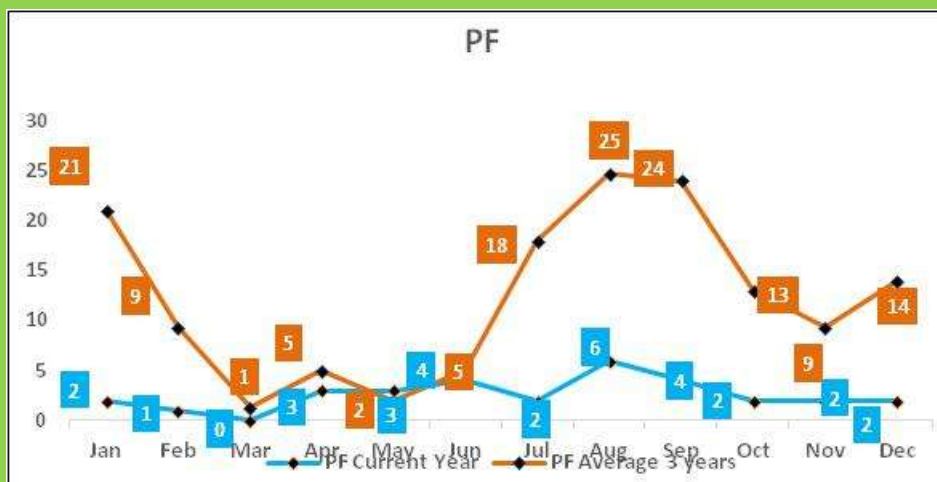
There is a decrease of TPC by 85.8% upto December, 2022 and 0.95% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN KARNATAKA



The TPR was nil upto December, 2022 as compared to 0.02 for last three years average and 0.01 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN KARNATAKA



There is a decrease of PF by 90.2% upto December, 2022 and 0.93% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN KERALA



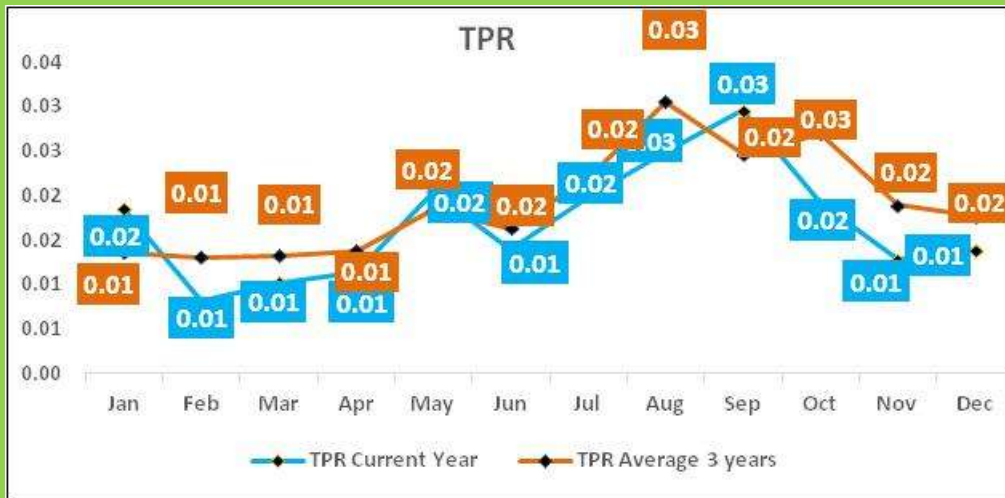
There is an increase of BSE by 39.7% upto December, 2022 and 52.7% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN KERALA



There is an increase of TPC by 7% upto December, 2022 and 0.16% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN KERALA



The TPR was 0.02 upto December, 2022 as compared to 0.02 for last three years average and 0.02 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN KERALA



There is an increase of PF by 50.4% upto December, 2022 and 0.88% during December, 2022 as compared to last three years average cumulative.

There is nil reporting for all BSE, TPC, TPR and PF cases in 2022 (till December).

GRAPH 1: MONTH WISE TREND OF BSE IN LAKSHADWEEP

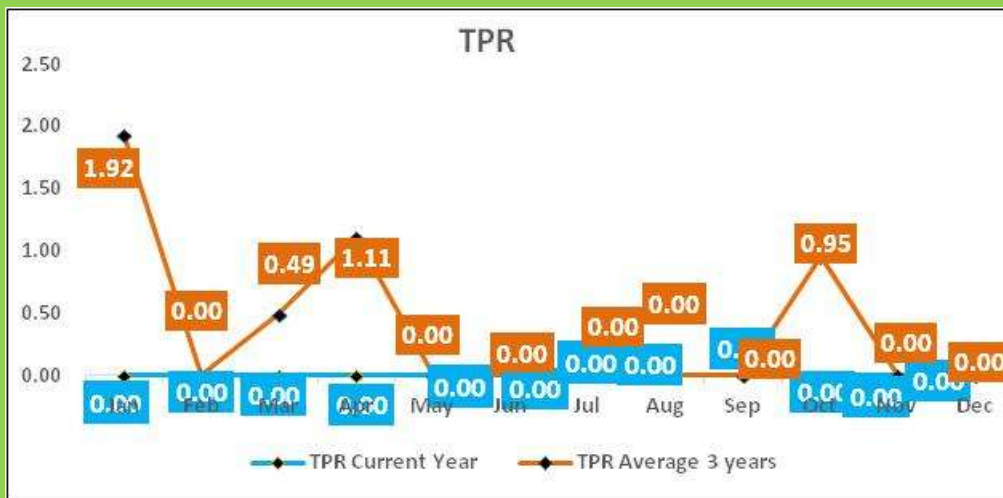


There is an increase of BSE by 48.5% upto December 2022 and 82.1% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN LAKSHADWEEP

The TPC was nil upto December, 2022.

GRAPH 3: MONTH WISE TREND OF TPR IN LAKSHADWEEP

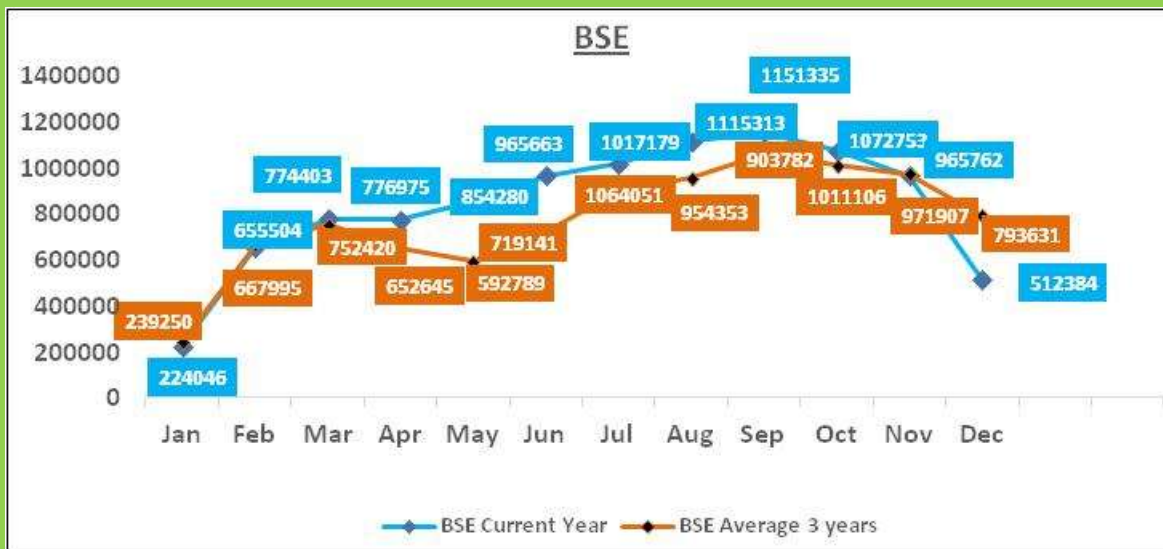


The TPR was nil upto December, 2022 as compared to 1.09 for last three years average and 0.23 upto December, 2021.

MONTH WISE TREND OF PF IN LAKSHADWEEP

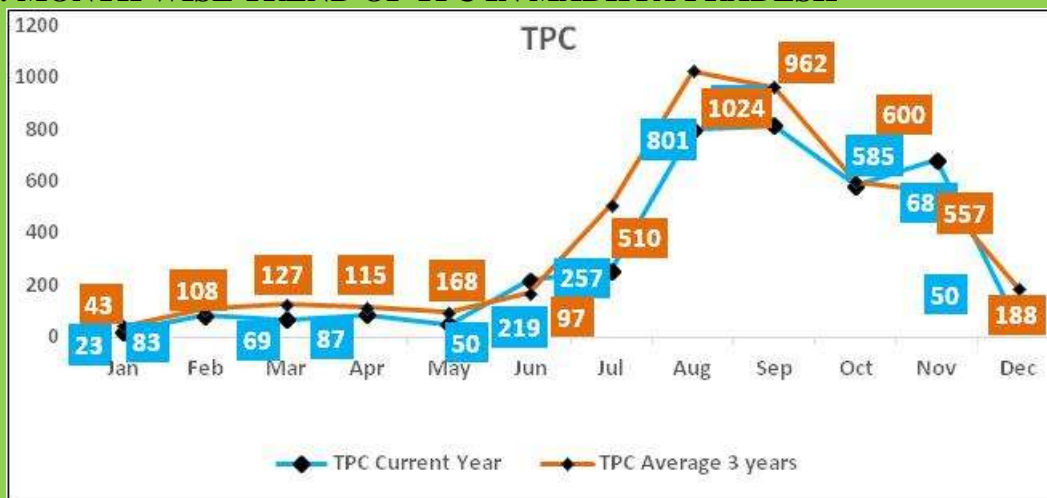
Nil PF case was reported upto December, 2022.

GRAPH 1: MONTH WISE TREND OF BSE IN MADHYA PRADESH



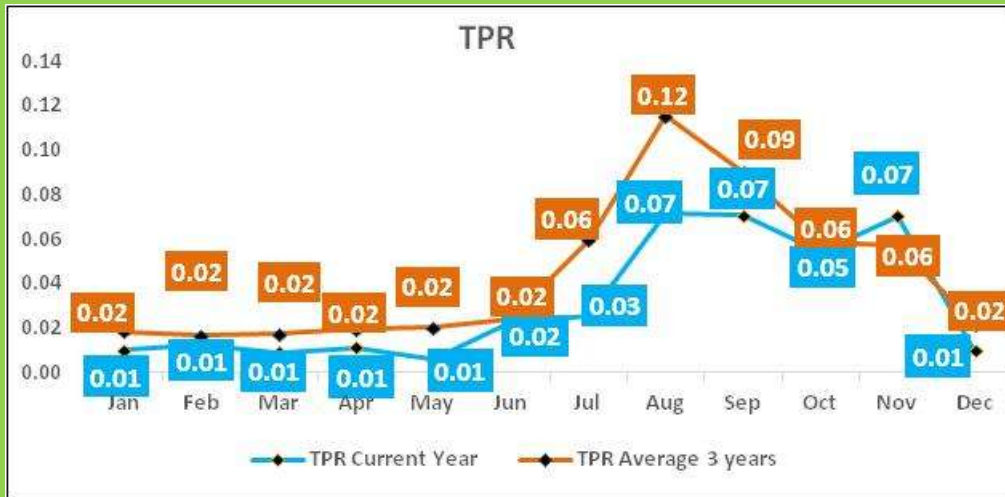
There is an increase of BSE by 10.5% upto December, 2022 but decrease by 43.2% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN MADHYA PRADESH



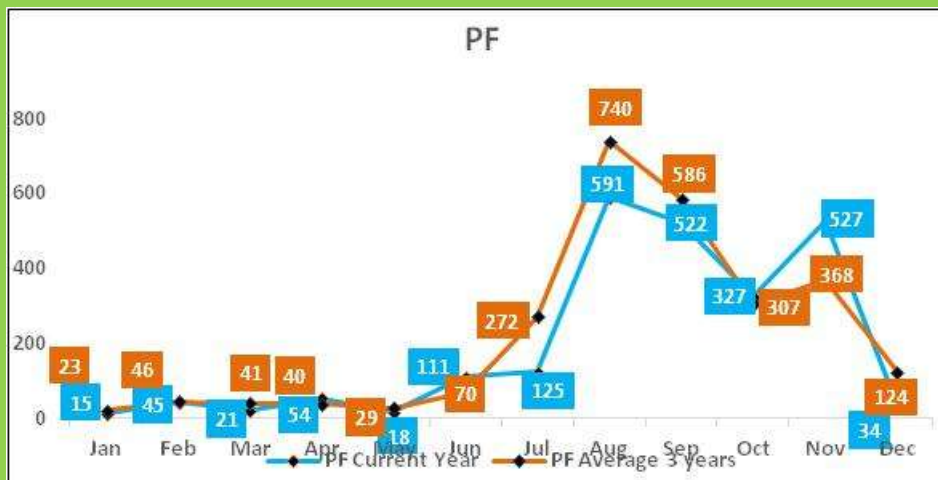
There is a decrease of TPC by 52.6% upto December, 2022 and 0.89% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN MADHYA PRADESH



The TPR was 0.04 upto December, 2022 as compared to 0.09 for last three years average and 0.03 upto December, 2021.

MONTH WISE TREND OF PF IN MADHYA PRADESH



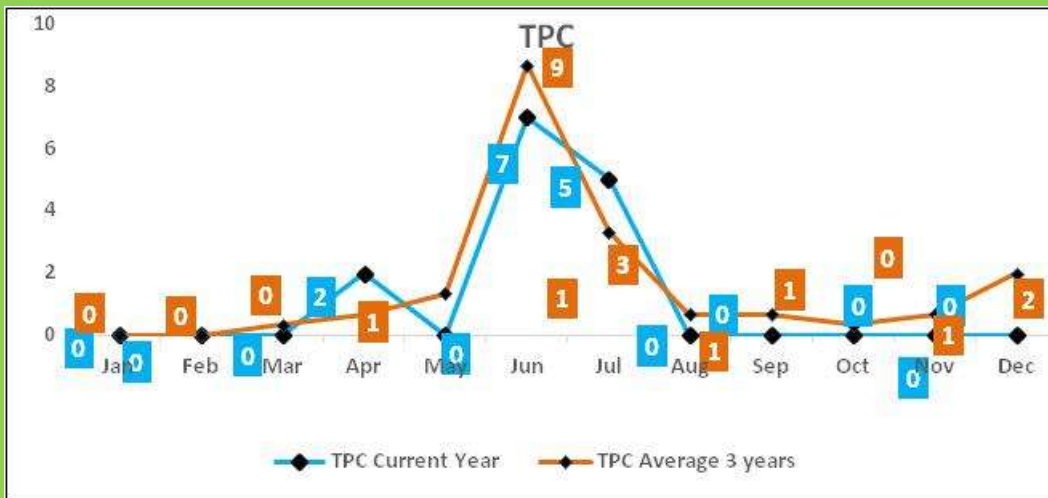
There is a decrease of PF by 20.9% upto December, 2022 and 0.85% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN MANIPUR



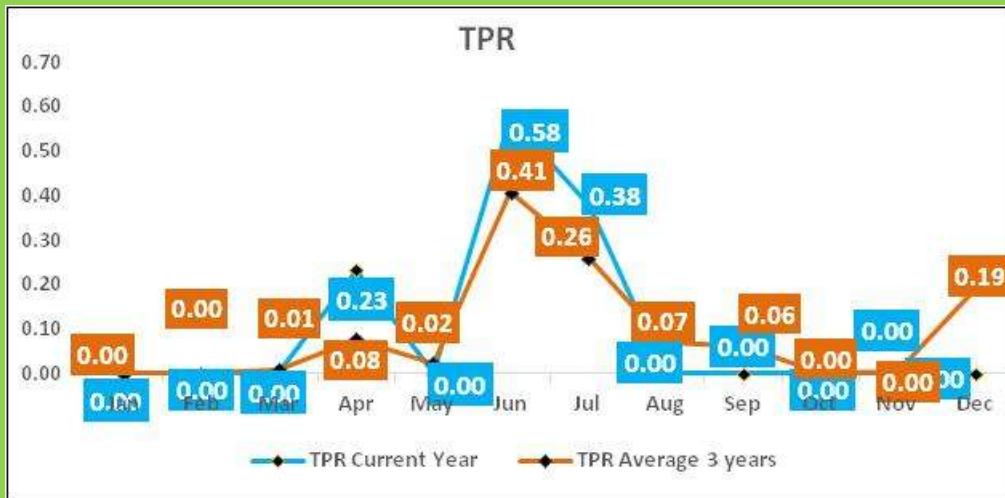
There is decline of BSE by 87.4% upto December, 2022 and 77.2% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN MANIPUR



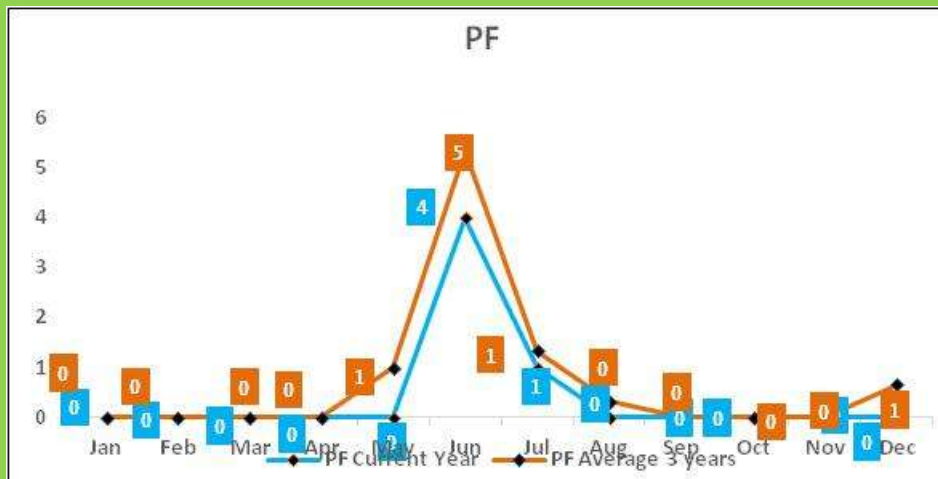
There is a decrease of TPC by 26.3% upto December, 2022 and 1% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN MANIPUR



The TPR was 0.08 upto December, 2022 as compared to 0.04 for last three years average and 0.10 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN MANIPUR



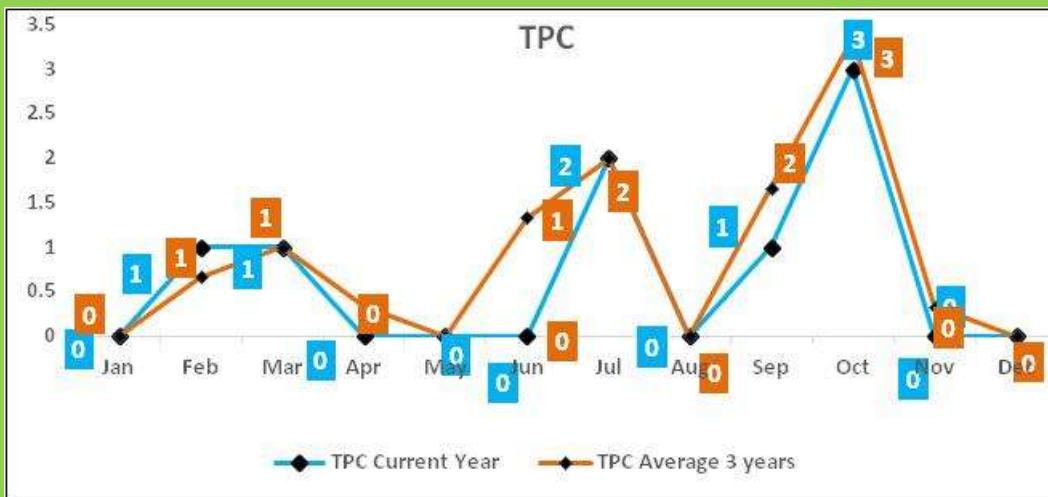
There is decline of PF by 42.3% upto December, 2022 and 1% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TRND OF BSE IN NAGALAND



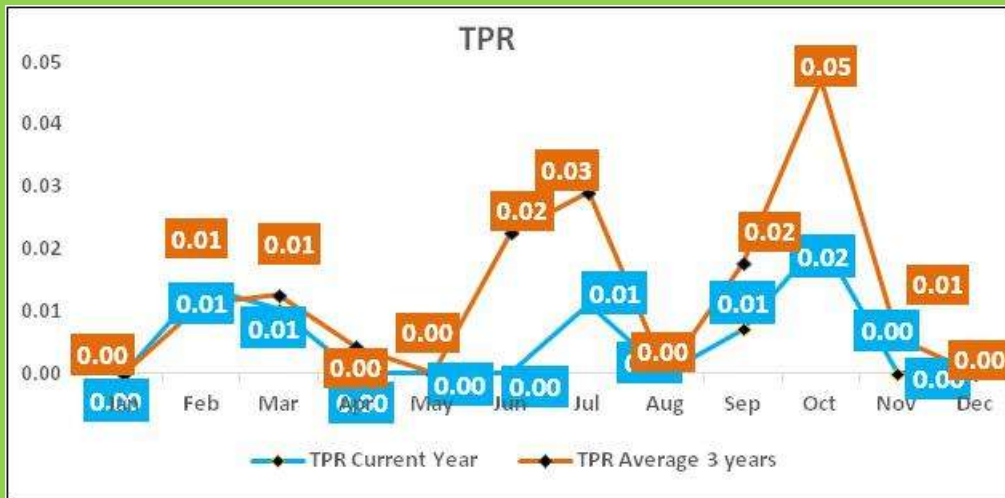
There is an increase of BSE by 26.8% upto December, 2022 and 16.6% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN NAGALAND



There is a decrease of TPC by 44.2% upto December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN NAGALAND



The TPR was 0.01 Upto December, 2022 as compared to 0.01 for last three years average and 0.02 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN NAGALAND



There is decline of PF by 29.4% upto December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN PUDUCHERRY

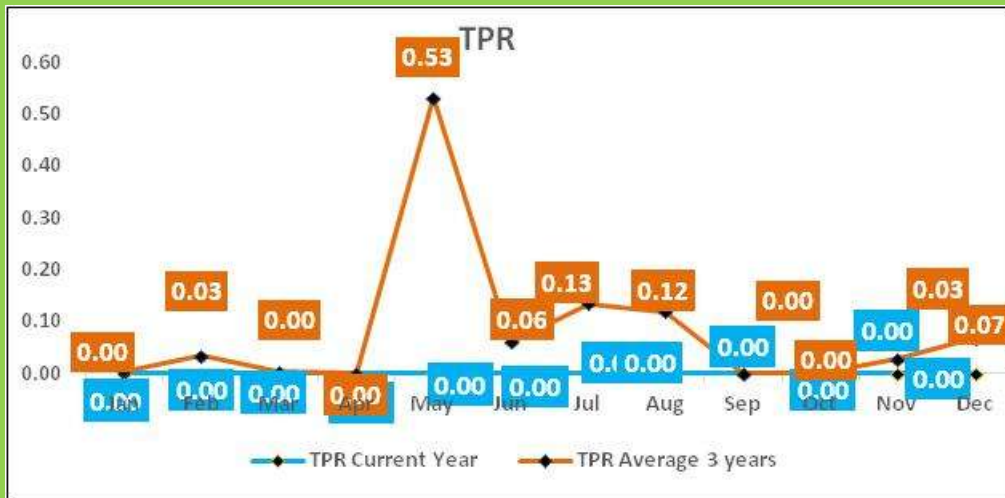


There is an increase of BSE by 64.3% upto December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN PUDUCHERRY

The TPC was nil upto December, 2022.

GRAPH 3: MONTH WISE TREND OF TPR IN PUDUCHERRY



The TPR was nil upto December, 2022 as compared to 0.03 for last three years average and 0.02 upto December, 2021.

MONTH WISE TREND OF PF IN PUDUCHERRY

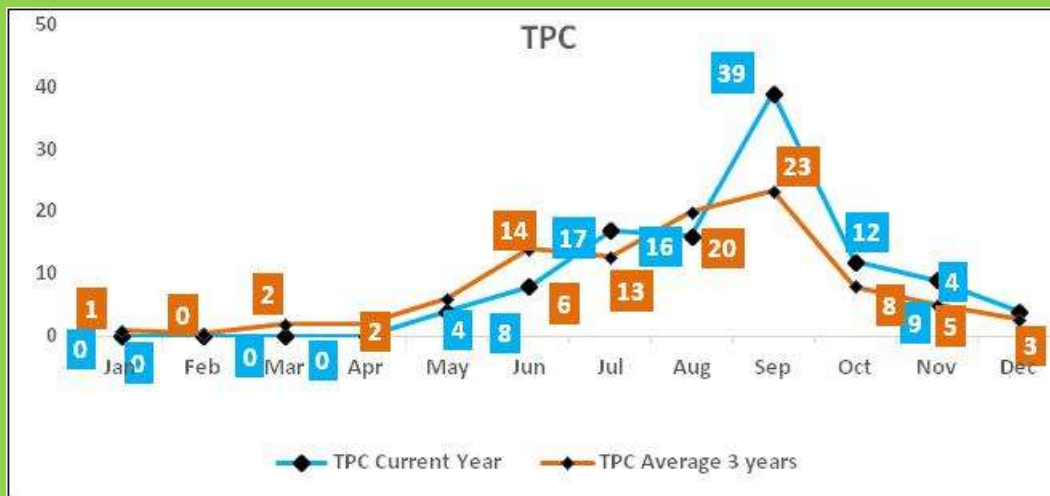
Nil PF case was reported upto December, 2022.

GRAPH 1: MONTH WISE TREND OF BSE IN PUNJAB



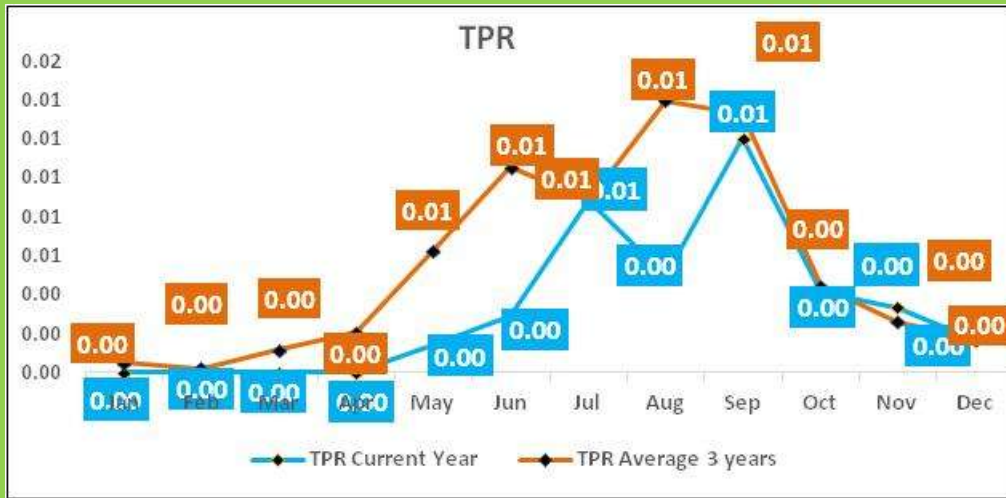
There is an increase of BSE by 35.3% upto December, 2022 and 60.5% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN PUNJAB



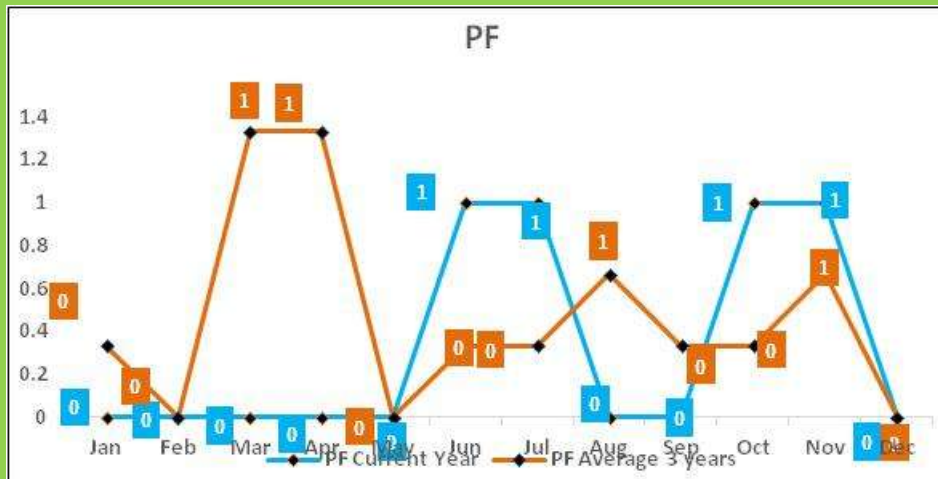
There is a decrease of TPC by 75.3% upto December, 2022 and 0.08% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN PUNJAB



The TPR was nil upto December, 2022 as compared to 0.02 for last three years average and nil upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN PUNJAB



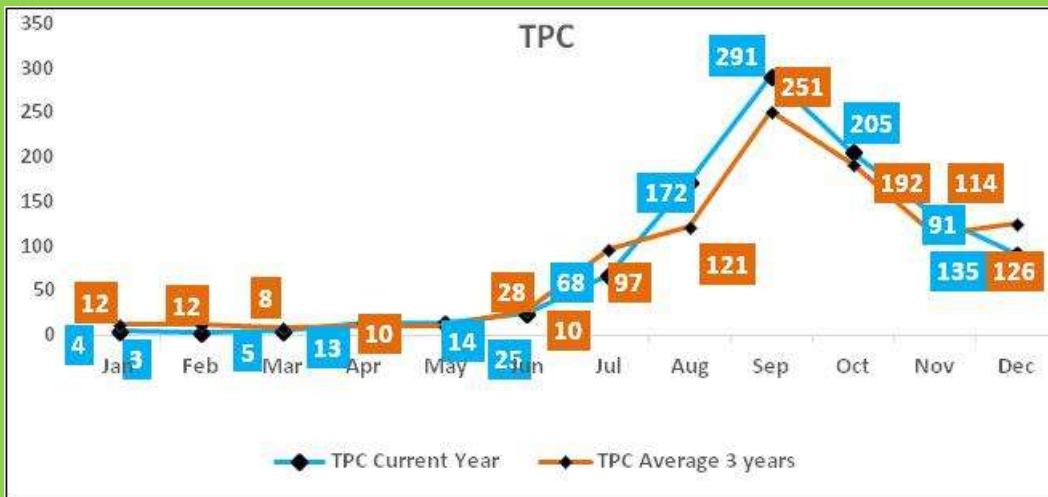
There is decline of PF by 67.6% upto December, 2022 and 1% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN RAJASTHAN



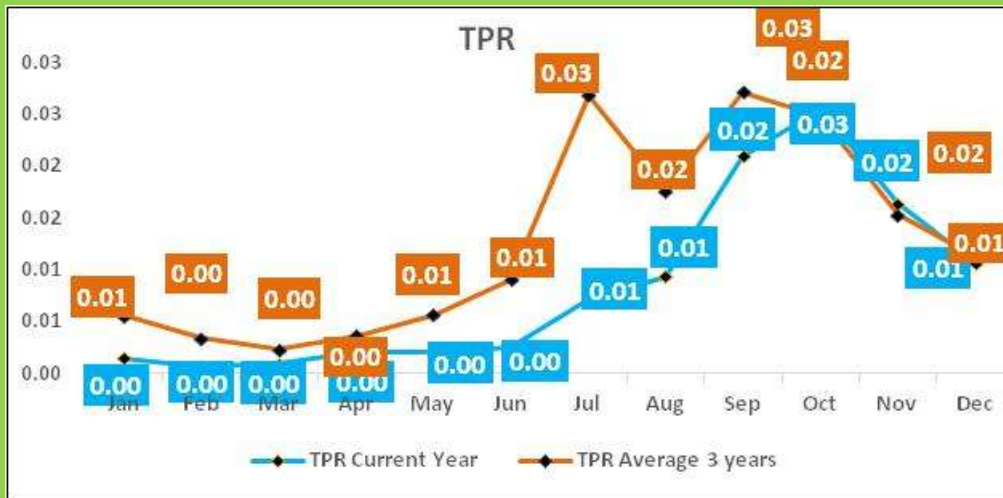
There is an increase of BSE by 73.3% upto December, 2022 but decrease by 19.9% during December, 2022as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN RAJASTHAN



There is a decrease of TPC by 22.7% upto December, 2022 and 0.39% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN RAJASTHAN



The TPR was 0.01 upto December, 2022 as compared to 0.03 for last three years average and 0.01 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN RAJASTHAN



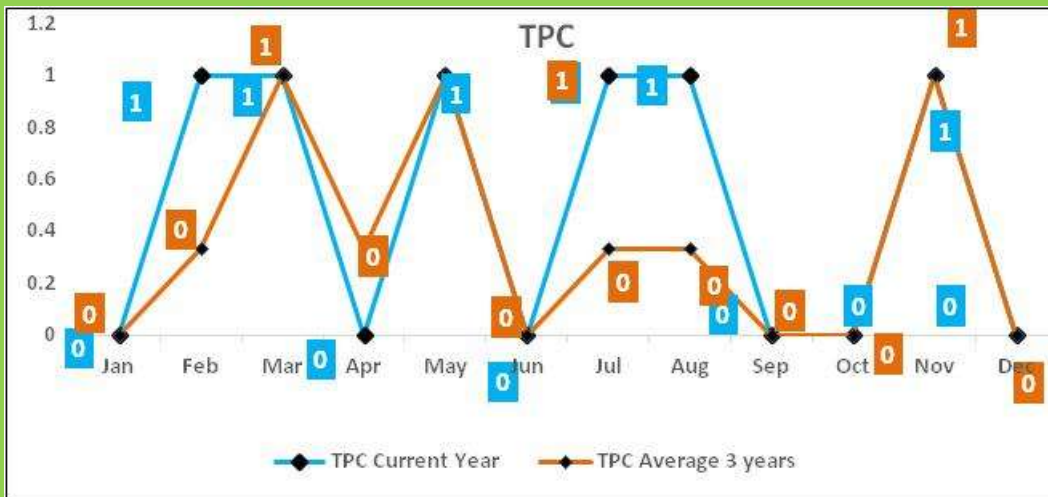
There is a decrease of PF by 36.6% upto December, 2022 and 0.56% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN SIKKIM



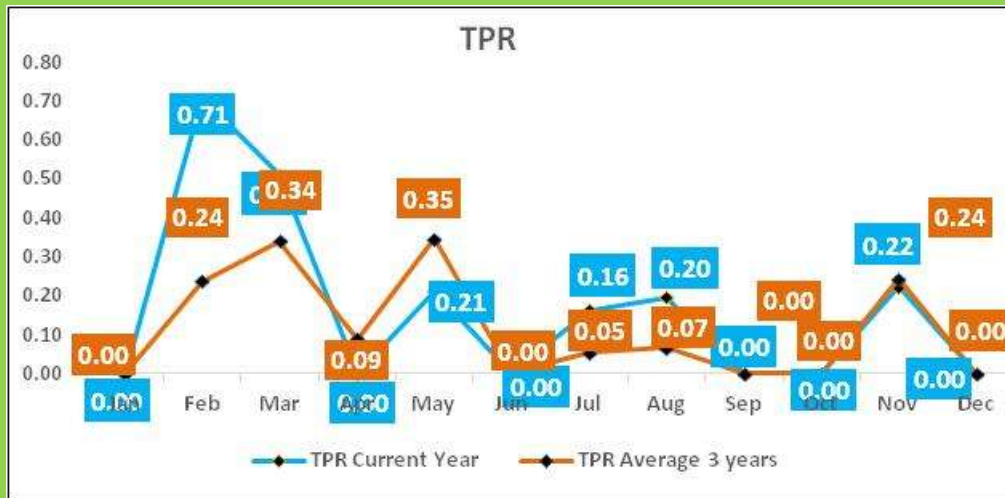
There is decline of BSE by 13.4% upto December, 2022 and 20.5% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN SIKKIM



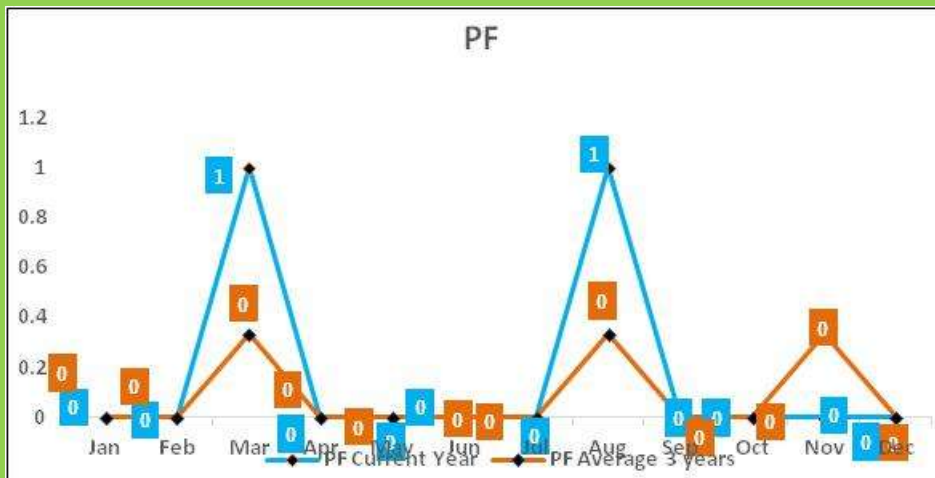
There is an increase of TPC by 38.5% upto December, 2022 but decrease by 1% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN SIKKIM



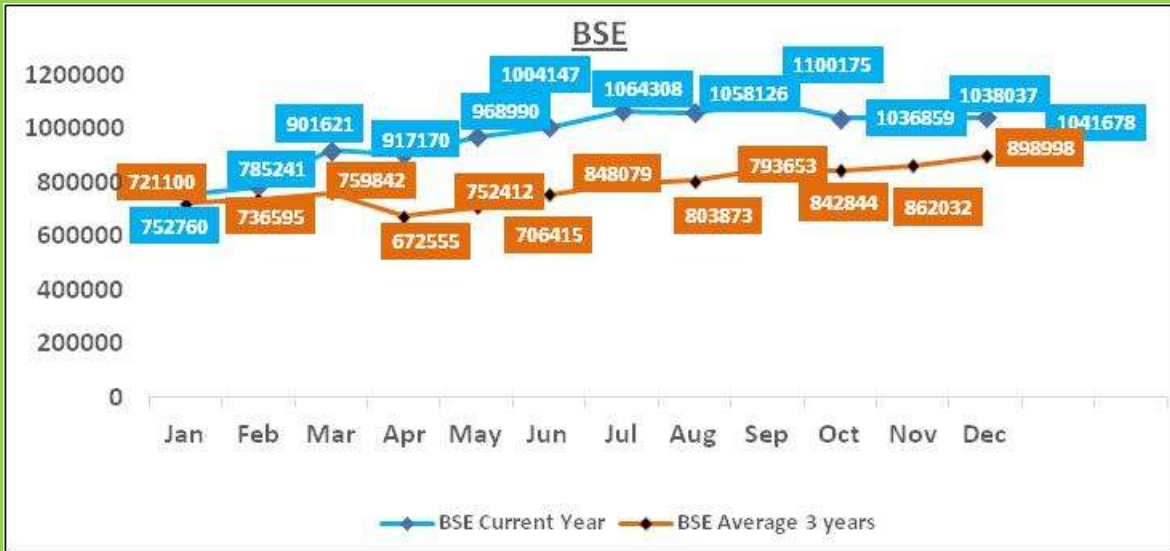
The TPR was 0.11 upto December, 2022 as compared to 0.07 in last three years average and 0.10 upto December, 2021.

MONTH WISE TREND OF PF IN SIKKIM



Two PF case has been reported upto December, 2022.

GRAPH 1: MONTH WISE TREND OF BSE IN TAMILNADU



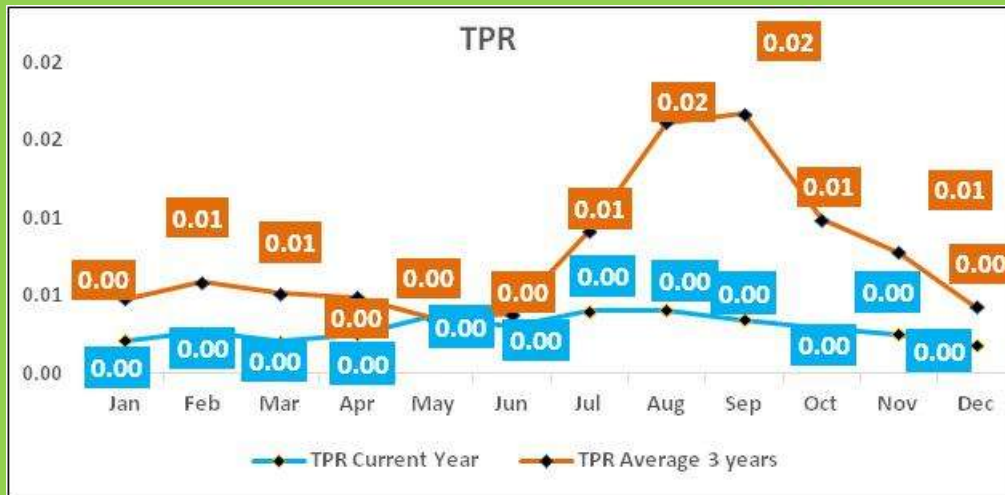
There is an increase of BSE by 38.5% upto December, 2022 and 28.5% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN TAMILNADU



There is a decrease of TPC by 72.5% upto December, 2022 and 0.72% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN TAMILNADU



The TPR was nil upto December, 2022 as compared to 0.01 for last three years average and 0.01 upto December, 2021

GRAPH 4: MONTH WISE TREND OF PF IN TAMILNADU



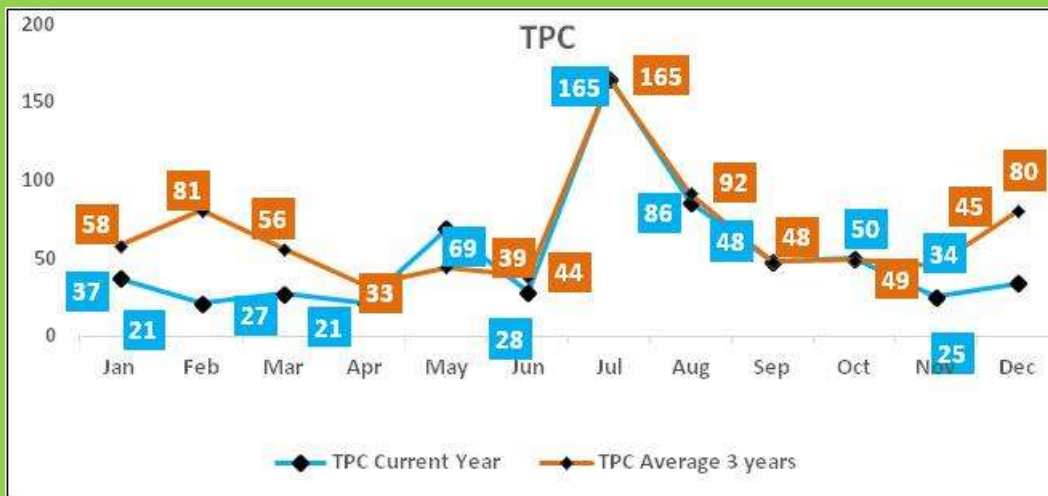
There is an increase of PF by 1.9% upto December, 2022 and 0.14% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN TELANGANA



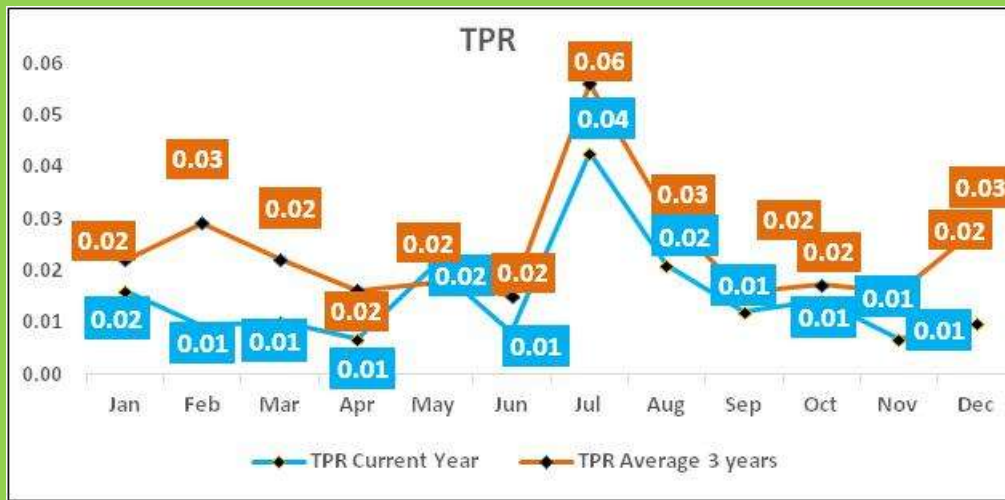
There is an increase of BSE by 19.4% upto December, 2022 and 15.5% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN TELANGANA



There is a decrease of TPC by 47.1% upto December, 2022 and 0.71% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN TELANGANA



The TPR was 0.02 upto December, 2022 as compared to 0.03 for last three years average and 0.03 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN TELANGANA



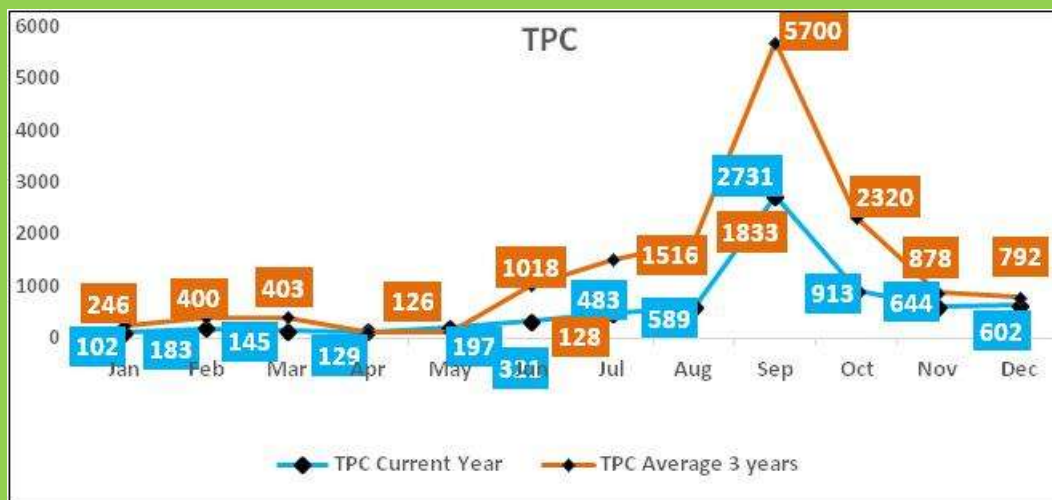
There is decline of PF by 44.6% upto December, 2022 and 0.68% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN UTTAR PRADESH



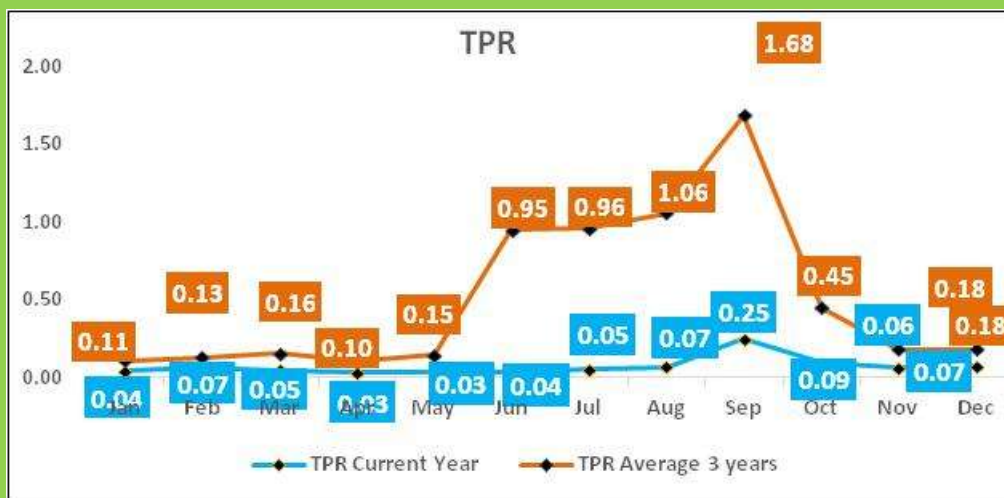
There is an increase of BSE by 97.2% upto December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN UTTAR PRADESH



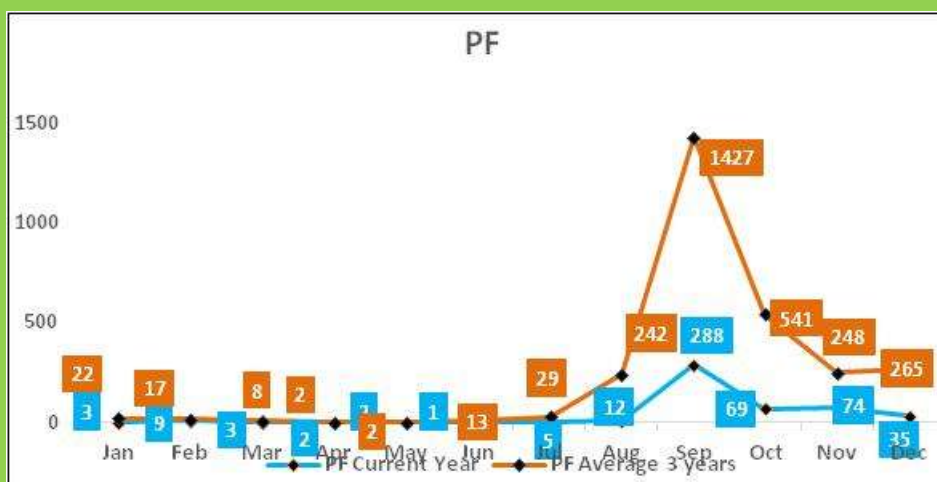
There is a decrease of TPC by 84% upto December, 2022 and 0.45% during December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN UTTAR PRADESH



The TPR was 0.08 upto December, 2022 as compared to 0.97 for last three years average and 0.25 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN UTTAR PRADESH



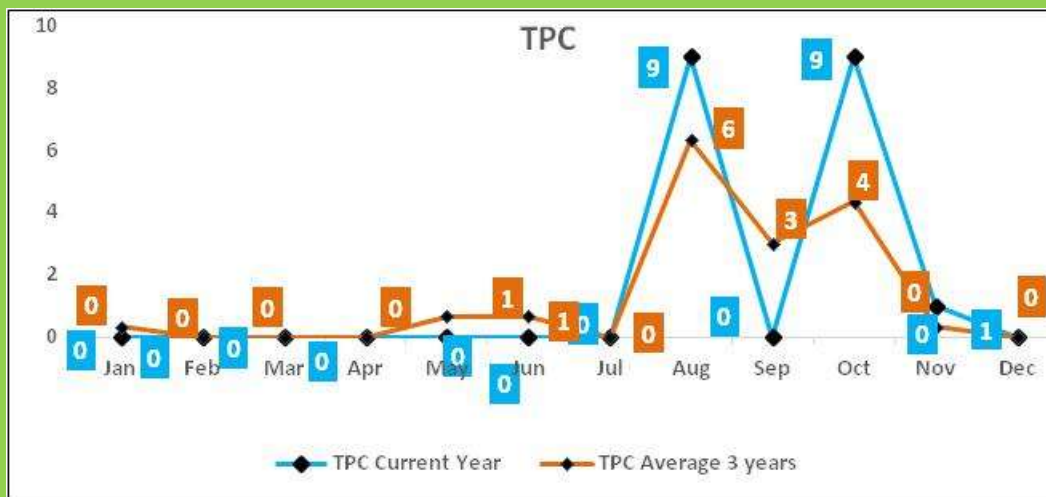
There is decline of PF by 93.3% upto December, 2022 and 0.91% during December, 2022 as compared to last three years average cumulative.

GRAPH 1: MONTH WISE TREND OF BSE IN UTTARAKHAND



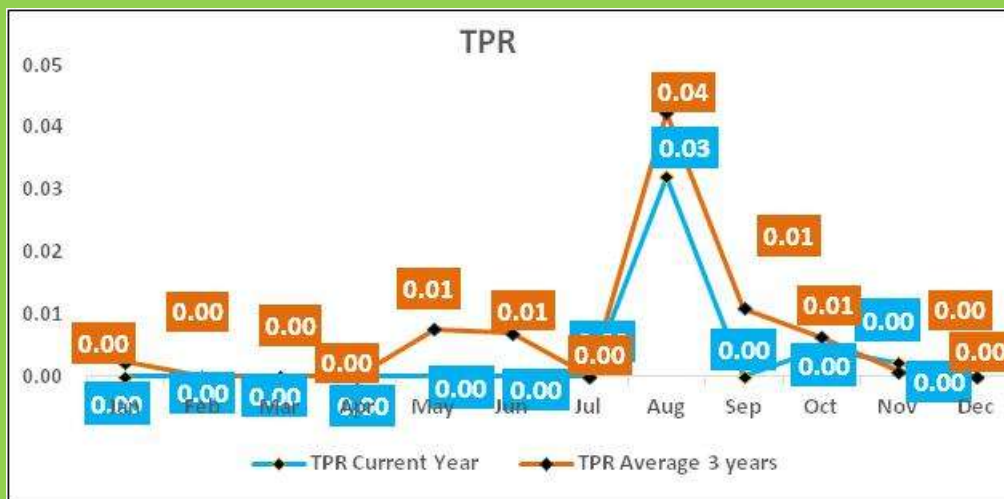
There is a major increase of BSE upto December, 2022 and increase by 54.9% during December, 2022 as compared to last three years average cumulative.

GRAPH 2: MONTH WISE TREND OF TPC IN UTTARAKHAND



There is a decrease of TPC by 82.8% upto December, 2022 as compared to last three years average cumulative.

GRAPH 3: MONTH WISE TREND OF TPR IN UTTARAKHAND



The TPR was nil upto December, 2022 as compared to 0.04 in last three years average and 0.01 upto December, 2021.

GRAPH 4: MONTH WISE TREND OF PF IN UTTARAKHAND



Four Pf cases have reported upto December, 2022.

MALARIA EPIDEMIOLOGICAL INDICATORS

S. No.	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) 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	% of Additional Staff in Place (MTS, LT, DVBD Consultant)
10	Input	No. of RDTs & ACTs Planned versus Received & used
11	Input	% of spray Equipment in working condition
12	Input	% of Spray workers trained
13	Process	BCC Activities
14	Process	% of facilities (SC and PHC) / village level functionaries (ASHA, AWW) reporting stock-out of anti-malarial lasting more than 15 days during the quarter
15	Process	% of MPHWS / ASHA / other volunteers trained for use of RDT / ACT
16	Process	% of Diagnostic facilities functional with microscopy / RDT in the last reporting period
17	Output	Nets treated once / twice in a year
18	Output	% of Eligible Villages Covered by ITN Should be 80% or more
19	Output	Insecticide use
20	Outcome	IRS Coverage – Population (%) Should be 80% or more
21	Outcome	IRS Coverage – Rooms %
22	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
23	Outcome	% of households in which beneficiaries reported having slept under ITNs / LLINs previous night
24	Outcome	% of PHC sampled in which utilization of ITNs / LLINs was more than 80%