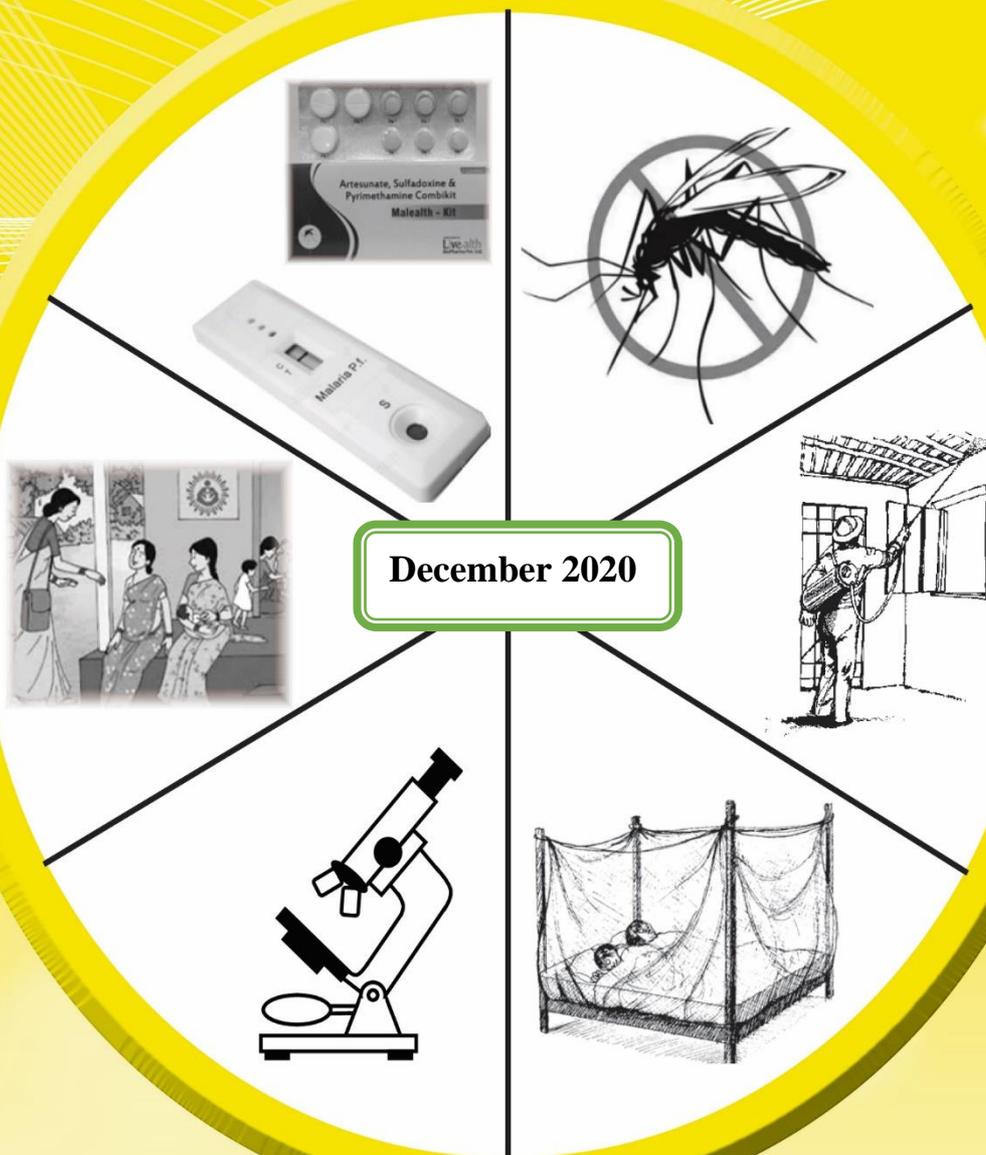


Monthly Malaria Situation of Category - 2 States/UTs



**Monitoring and Evaluation Division
National Vector Borne Disease Control Programme
Dte. GHS, MOHFW, Govt. of India, New Delhi**

Situational Analysis, Trends and Action Points

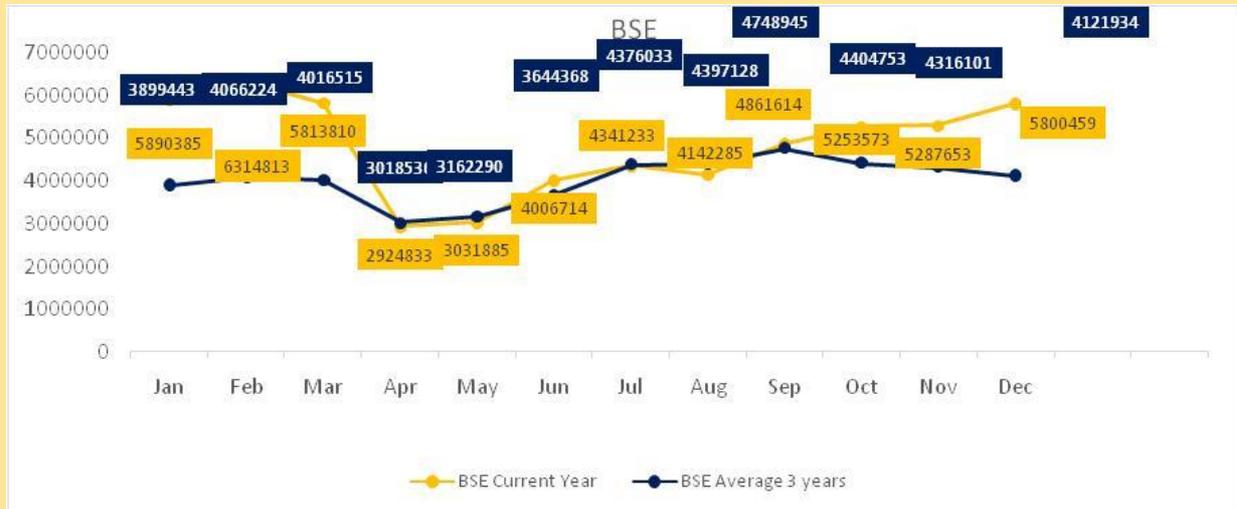
Category 2 statesPage No

1) Summary sheet - Category 2 states	2-5
2) Assam	6-7
3) Bihar	8-9
4) Gujarat	10-11
5) Karnataka	12-13
6) Maharashtra	14-15
7) Nagaland	16-17
8) Tamil nandu	18-19
9) Uttar Pradesh	20-21
10) Andhra Pradesh	22-23
11) Telangana	24-25
12) West bangal	26-27
13) Epidemiological Indicators- Malaria	28-29

1) INTRODUCTION & SUMMARY SHEET

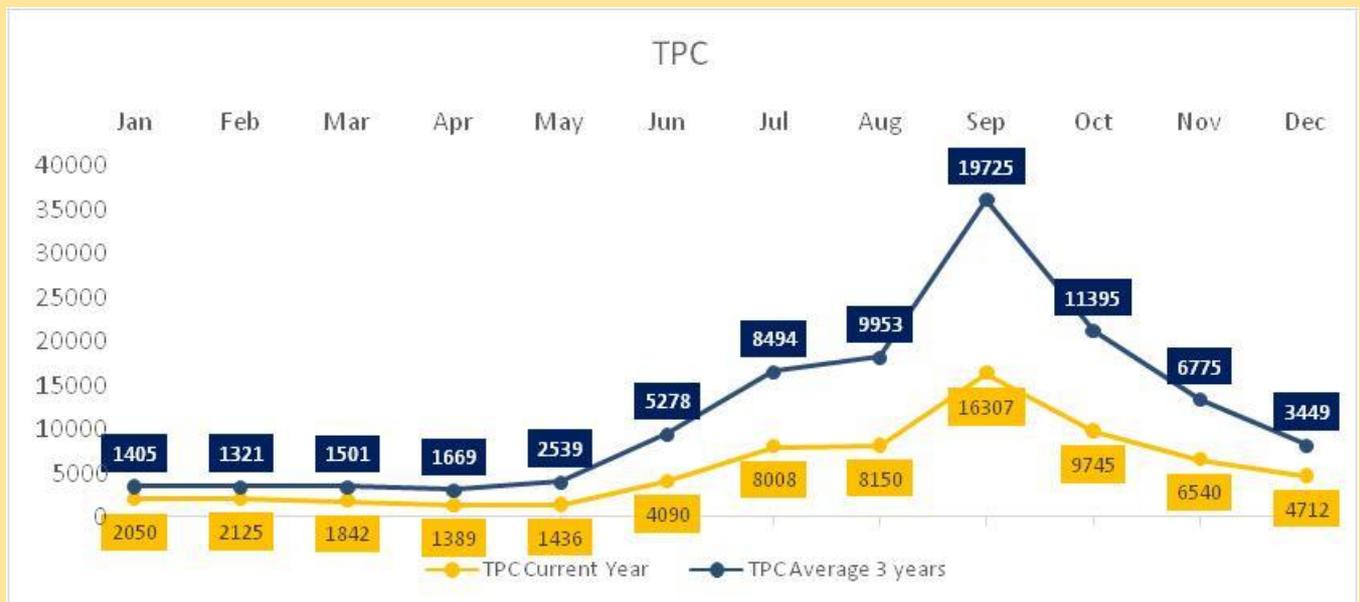
The surveillance information of Malaria (till Dec2020) in Category-2 states is enclosed in this Monthly Malaria Situation Information Report. The various indicators analyzed in this report are BSE, TPC, TPR and PF.

GRAPH 1: MONTH WISE TREND OF BSE IN CATEGORY- 2 STATES



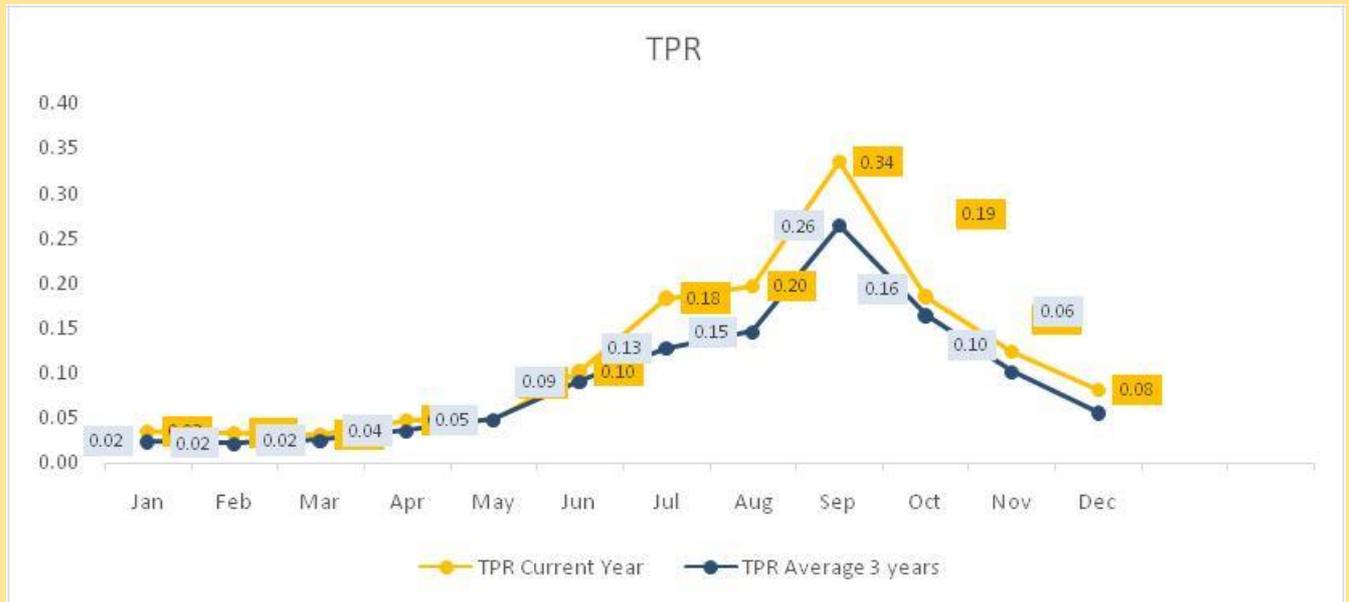
There is a decline of BSE by 29.9% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 33.6% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

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



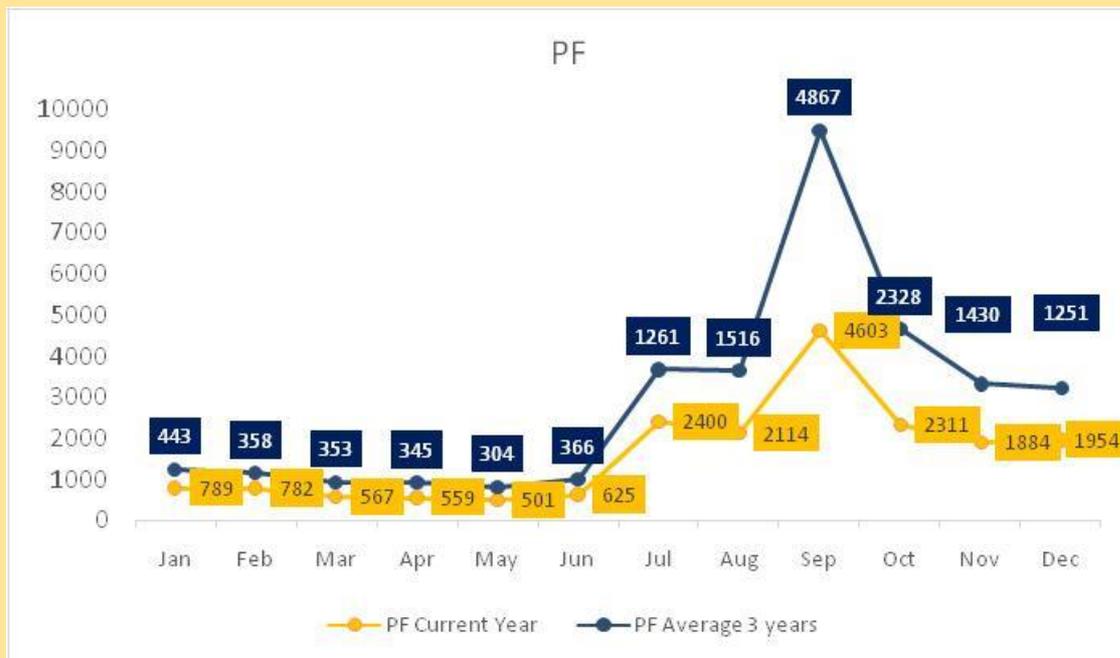
There is a decline of TPC by 59.8% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decrease of TPC by 60.0% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

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



The TPR was 1.4 during (Jan-Dec) 2020 as compared to 2.1 for three years average cumulative of Jan-Dec. The TPR was 1.9 during (Jan-Dec) 2019. The TPR was decreased by 26.3% during (Jan-Dec) 2020 as compared (Jan-Dec) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN CATEGORY- 2 STATES



There is a decline of PF by 39.8% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is decline of PF by 24.8% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

List of Districts showing a decrease in Surveillance in the Category 2 States:

	States/UTs	Districts showing a decrease in Surveillance
1	Andhra Pradesh	Anantapur, Chittoor, Cuddapah, East Godavari, Guntur, Krishna, Kurnool, Prakasam, Srikakulam, Vishakhapatnam, Vizianagaram, West Godavari
2	Bihar	Araria, Arwal, Aurangabad, Banka, Begusarai, Bhagalpur, Bhojpur, Buxar, Darbhanga, East Champaran, Gaya, Gopalganj, Jahanabad, Jamui, Kaimur, Katihar, Khagaria, Kishanganj, Madhepura, Madhubani, Nalanda, Nawada, Patna, Purnia, Rohtas, Saharsa, Samastipur, Saran, Sheikhpura, Sheohar, Sitamarhi, Siwan, Supaul, Vaishali
3	Nagaland	Dimapur, Kiphire, Kohima, Longleng, Mokokchung, Mon, Peren, Phek, Tuensang, U.V.B.D.S. Dimapur Wokha, Zunheboto
4	Tamil nadu	Aranthangi, Ariyalur, Chennai Corp., Cheyyar, Cuddalore, Dindigul, Erode, Kallakurichi, Kancheepuram, Kanniyakumari, Kovilpatti, Krishnagiri, Namakkal, Paramakudi, Perambalur, Pudukottai, Ramanathapuram, Salem, Sankarankoin, Sivaganga, Thanjavur, Theni, Thirunelveli, Thiruppattur, Thiruvallore, Thiruvarur, Tiruvannamalai, Tuticorin (Thoothukudi), Vellore, Villupuram, Virudhunagar
5	Telangana	Adilabad, Bhupalapally (Jayashankar), Gadwal (Jogulamba), Hyderabad, Janagoan, Kamareddy, Karimnagar, Khammam, Kothagudem(Bhadradi), Mahabubabad, Mahabubnagar, Manchiryal, Medak, Madchal, Mulugu, Nagarkurnool, Nalgonda, Nirmal, Nizamabad, Rangareddy, Sangareddy, Siddipet, Sircilla(Rajannapeta), Suryapet, Vikarabad, Wanaparthy, Warangal (Rural), Warangal(Urban)
6	West Bengal	24 Pargana North, 24 Pargana South, Alipurduar, Bankura, Basirhat HD, Birbhum, Bishnupur HD, Cooch Behar, Dakshin Dinajpur, Darjeeling, Diamond Harbour HD, East Midnapur, Hooghly, Howrah, Jalpaiguri, Jhaargram, Kalimpong, Kolkata , Municipal Corp., Malda, Mursidabad, Nadia, Nandigram HD, Paschim Bardhaman, Purba Bardhaman, Purulia, Pvt. Hospital & Others, RampurhatHD, Uttar Dinajpur, West Midnapur
7	Assam	Baksa, Barpeta, Bongaigaon, Cachar, Chirang, Darrang, Dhemaji, Dhubri, Dibrugarh, Dima Hasaon, Goalpara, Golaghat, Hailakandi, Jorhat, Kamrup (M), Kamrup (R), K- Anglong, Karimganj, Kokrajhar, Lakhimpur, Morigaon, Nagaon, Nalbari, Sibsagar, Sonitpur, Tinsukia
8	Gujarat	Ahmedabad, Amreli, Aravali (Modasa), Banaskantha, Bhavanagar, Chhota, Udaipur, Corporation Area, Dangs, Devbhumi Dwarka, Gandhinagar, Gir Somnath (Veraval), Jamnagar, Junagadh, Kheda (Anand), Kheda (Nadiad), Kutchh (Bhuj), Mahisagar (Lunavada), Mehasana, Morbi, Narmada, Navsari, Panchamahar (Dahod), Panchamahar (Godhera), Patan, Porbander, Rajkot, Sabarkantha, Surat, Surendranagar, Tapi, Vadodara, Valsad
9	Karnataka	A.M.U. Almatti, A.M.U. B. Gudi, A.M.U. Kambhavi, Bagalkot, Bangalore(Rural), Bangalore(Urban), Belgaum (Belgavi), Bellary, Bidar, Bijapura (Vijayapura), Chamarajnar, Chikballapura, Chikmagalur, Chitradurga, Dakshina Kannada, Davanagere, Dharwar, Gadag, Gulbarga(Kalbargi), Hassan, Haveri, Kodagu, Kolar, Koppal, Mandya, Mysore, Raichur, Ramanagara, Shimoga, Tumkur, U.K.P.N. PURA, Udupi, Uttara, Kannada, Yadageri

10	Maharashtra	Ahmednagar, Akola, Amravati, Aurangabad, Beed, Bhandara, Buldhana, Chandrapur, Dhule, Gondia, Gr.Mumbai, Hingoli, Jalgaon, Jalna, Kolhapur, Latur, Nagpur, Nanded, Nandurbar, Nashik, NMC, Osmanabad, Palghar, Parbhani, PMC, Pune, Raigad, Ratnagiri, Sangli, Satara, Sindhudurg, Solapur, Thane, Wardha, Washim, Yeotmal
11	Uttar Pradesh	Agra, Aligarh, Allahabad, Ambedkar Nagar, Amethi, Auraiya, Azamgarh, Bagpat, Bahraich, Ballia, Balrampur, Banda, Barabanki, Bareilly, Basti, Bijnore, Bulandshahar, Chandauli, Chitrakoot, Deoria, Etah, Etawah, Faizabad, Farrukhabad, Fatehpur, Firozabad, G.B. Nagar, Ghaziabad, Ghazipur, Gonda, Gorakhpur, Hamirpur, Hapur, Hardoi, Hathras, Jalaun, Jaunpur, Jhansi, JP Nagar (Amroha), Kannauj, Kanpur Nagar, Kashiram Nagar (Kashganj), Kaushambi, Kheri, Kushi Nagar, Lalitpur, Lucknow, Maharajgunj, Mahoba, Mainpuri, Mathura, Mau, Meerut, Mirzapur, Moradabad, Muzaffar Nagar, Pilibhit, Pratapgarh, Rae-Bareilly, Ramabai Nagar (Kanpur Dehat), Rampur, Saharanpur, Sambhal, Samal, Shahjahanpur, Shravasti, Siddharth Nagar, Sitapur, Sonbhadra, St RD Nagar, St. Kabir Nagar, Sultanpur, Unnao, Varanasi

Action points for all Category 2 States/UTs:

- States /UTs need to share the detailed case reports regarding any COVID19-Malaria co-infections reported in the state.
- States/UTs 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.
- State /UTs need to ensure >80% usage of LLIN by community.
- States/UTs to intensify vector control measures by identifying potential vector breeding sites, environmental management, biological control and focus based adult vector control measures.

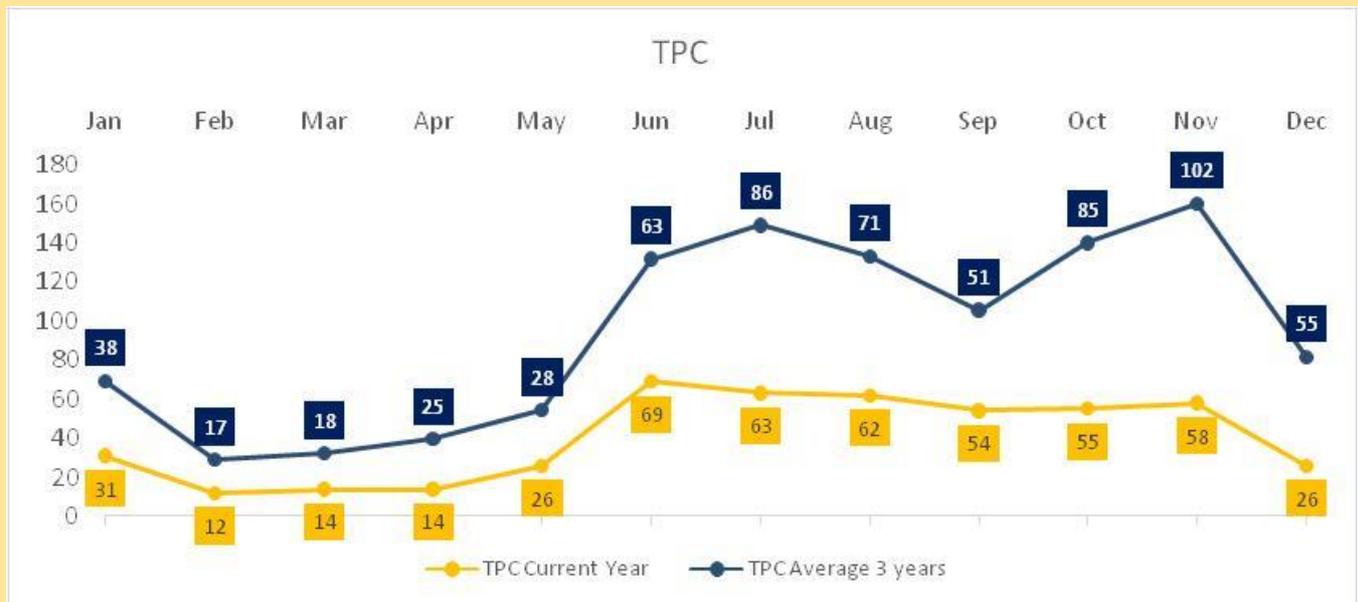
2) ASSAM

GRAPH 1: MONTH WISE TREND OF BSE IN ASSAM



There is a decline of BSE by 38.9% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 55.8% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN ASSAM



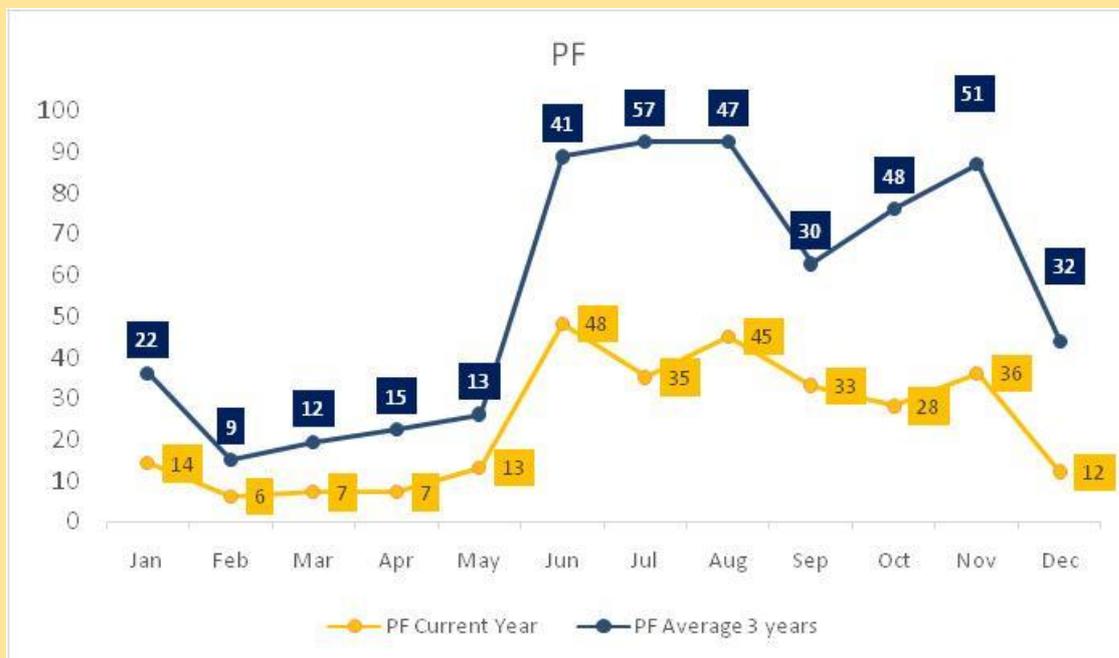
There is a decline of TPC by 87.2% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decrease of TPC by 68.6% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN ASSAM



The TPR was 0.3 during (Jan-Dec) 2020 as compared to 1.5 for three years average cumulative of Jan-Dec. The TPR was 0.5 during (Jan-Dec) 2019. The TPR was decreased 28.7% during (Jan-Dec) 2020 as compared (Jan-Dec) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN ASSAM



There is a decline of PF by 89.1% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decline of PF by 66.5% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

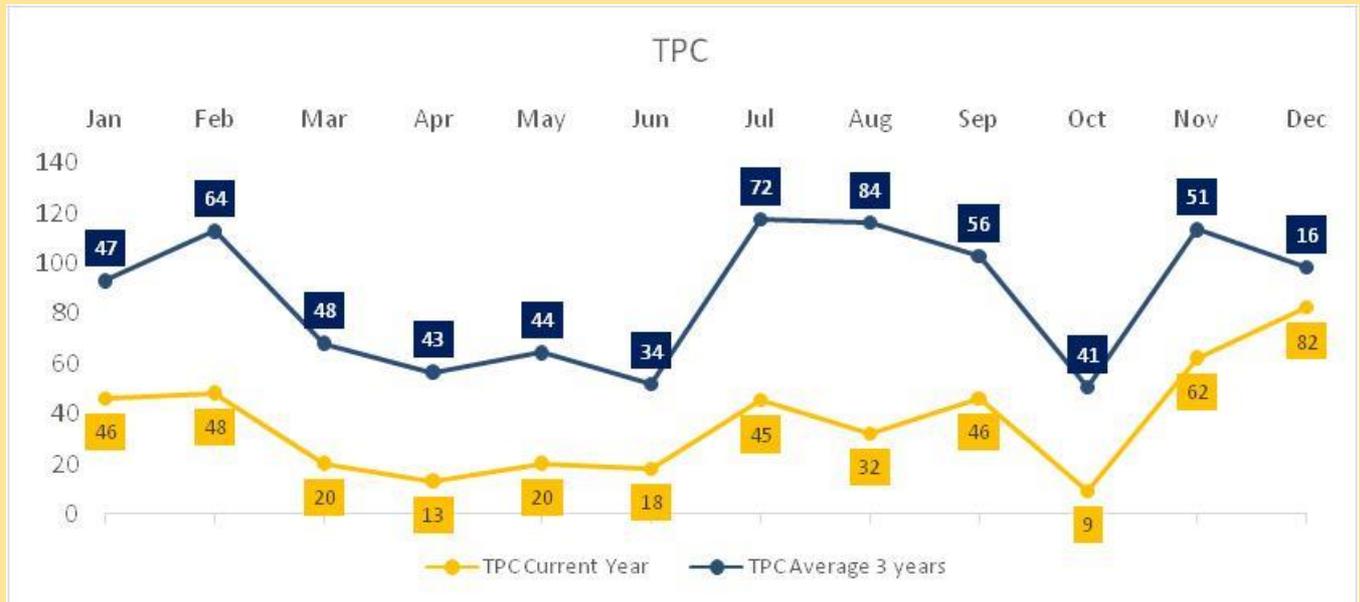
3) BIHAR

GRAPH 1: MONTH WISE TREND OF BSE IN BIHAR



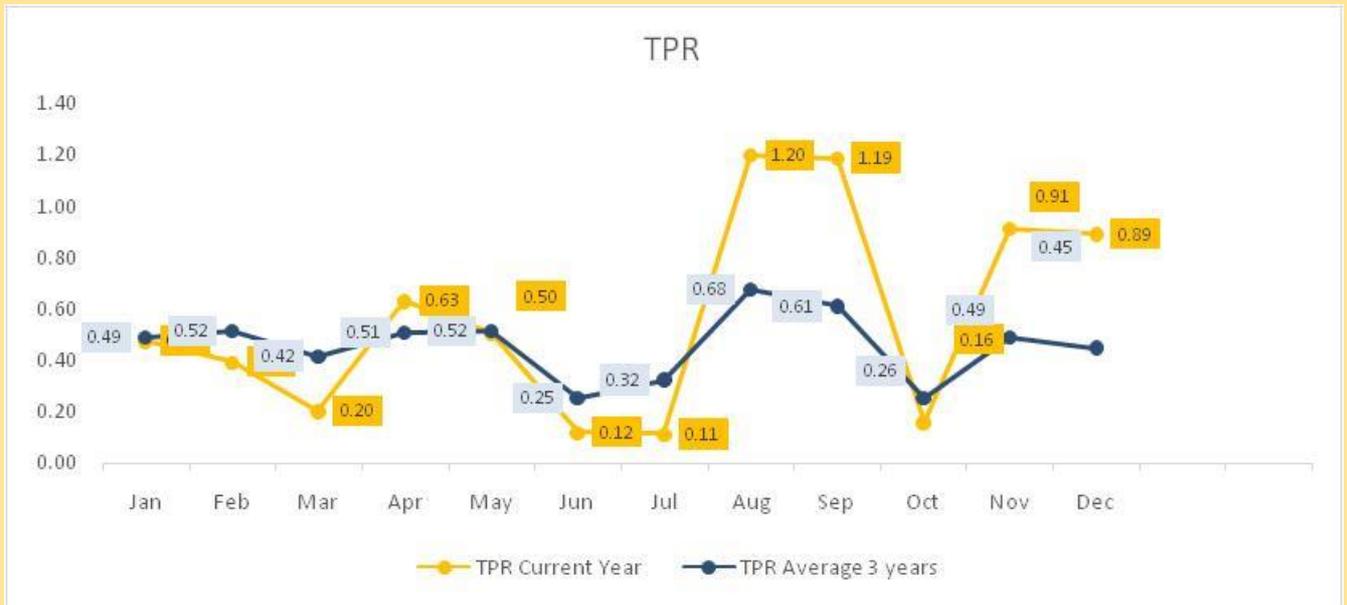
There is a decline of BSE by 44.7% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 52.4% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN BIHAR



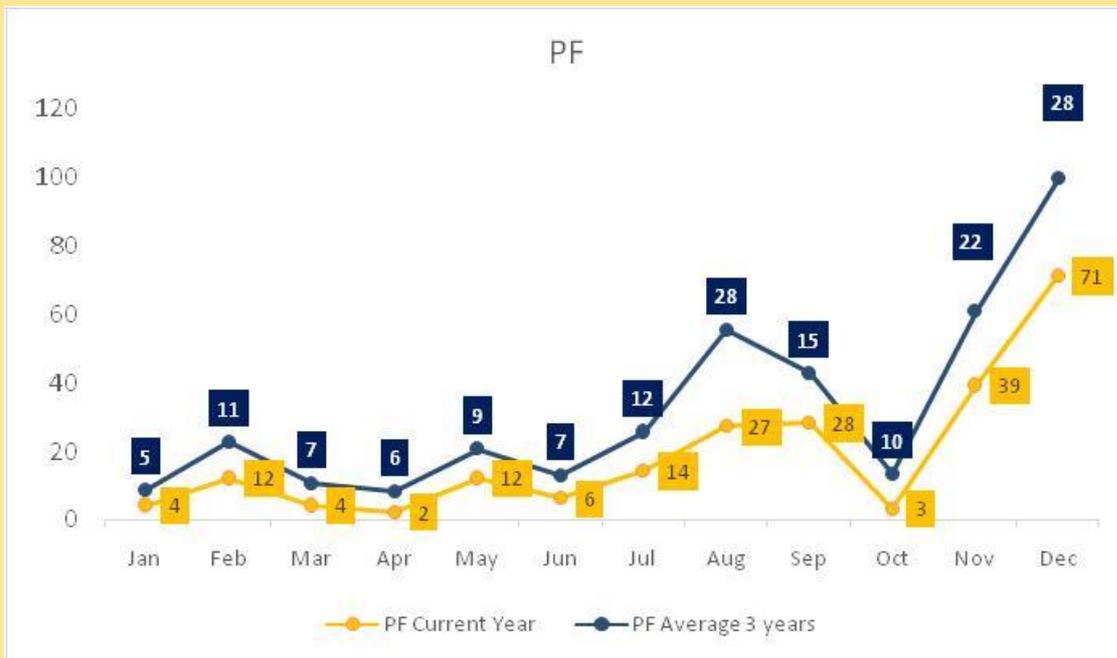
There is a decline of TPC by 81.5% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decrease of TPC by 75.1% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN BIHAR



The TPR was 6.8 during (Jan-Dec) 2020 as compared to 14.0 for three years average cumulative of Jan-Dec. The TPR was 9.7 during (Jan-Dec) 2019. The TPR was decreased by 30.1% during (Jan-Dec) 2020 as compared (Jan-Dec) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN BIHAR



There is a decline of PF by 25.7% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decline of PF by 12.9% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

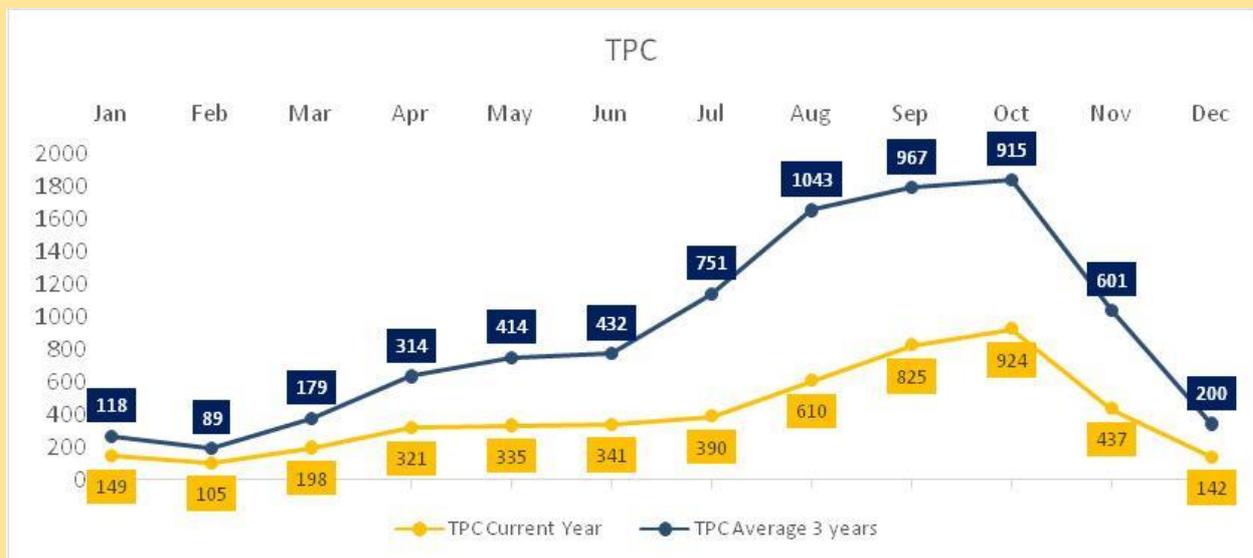
4) GUJARAT

GRAPH 1: MONTH WISE TREND OF BSE IN GUJARAT



There is a decline of BSE by 17.3% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 20.1% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN GUJARAT



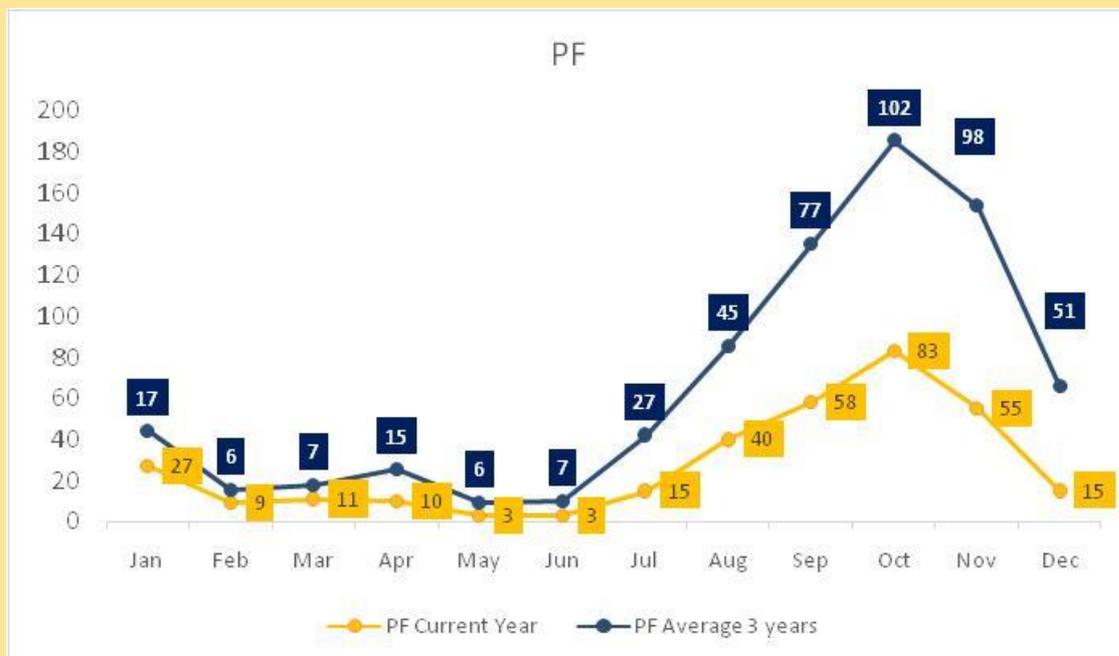
There is a decline of TPC by 80.8% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decrease of TPC by 65.5% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN GUJARAT



The TPR was 0.4 during (Jan-Dec) 2020 as compared to 1.7 for three years average cumulative of Jan-Dec. The TPR was 0.9 during (Jan-Dec) 2019. The TPR was decreased by 50.8% during (Jan-Dec) 2020 as compared (Jan-Dec) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN GUJARAT



There is a decline of PF by 84.2% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decline of PF by 68.6% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

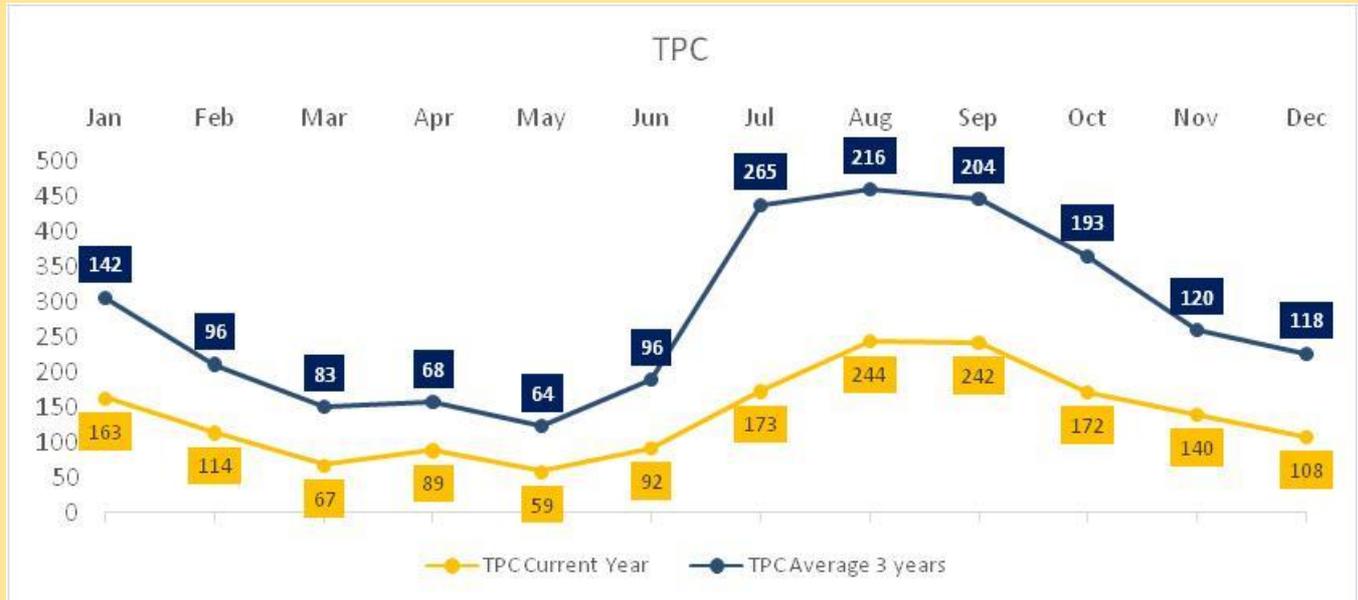
5) KARNATAKA

GRAPH 1: MONTH WISE TREND OF BSE IN KARNATAKA



There is a decline of BSE by 35.3% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 38.4% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN KARNATAKA



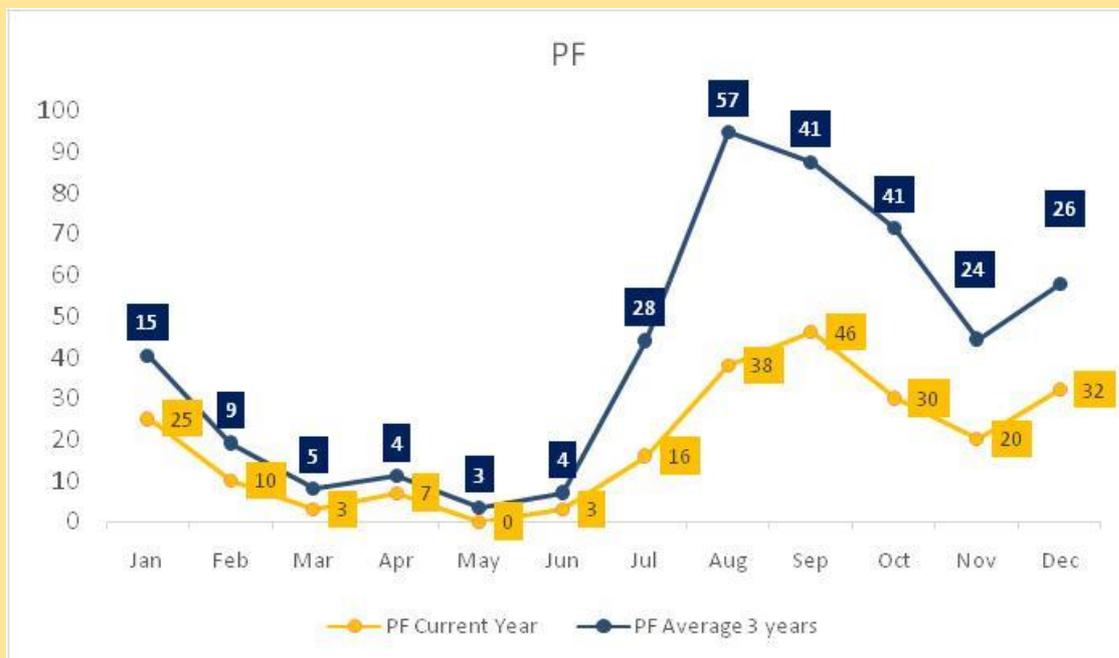
There is a decline of TPC by 69.3% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decrease of TPC by 53.3% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN KARNATAKA



The TPR was 0.3 during (Jan-Dec) 2020 as compared to 0.6 for three years average cumulative of Jan-Dec. The TPR was 0.3 during (Jan-Dec) 2019. The TPR was decreased by 4.7 % during (Jan-Dec) 2020 as compared (Jan-Dec) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN KARNATAKA



There is a decline of PF by 71.9% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decline of PF by 57.7% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019

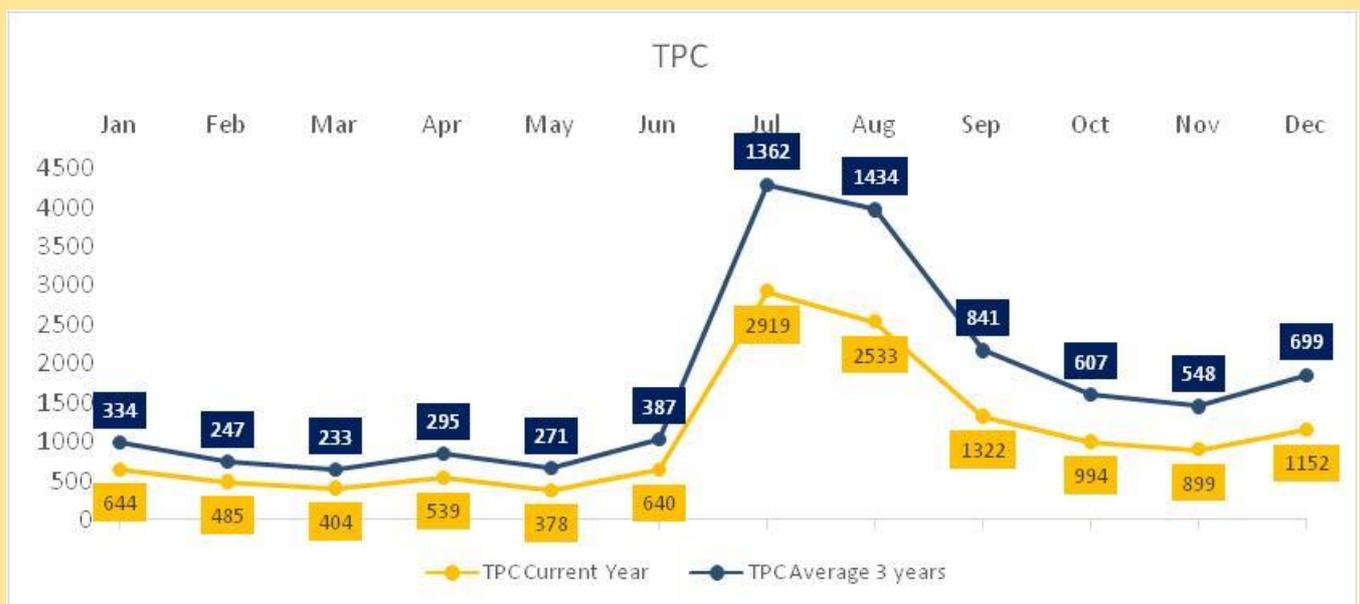
6) MAHARASHTRA

GRAPH 1: MONTH WISE TREND OF BSE IN MAHARASHTRA



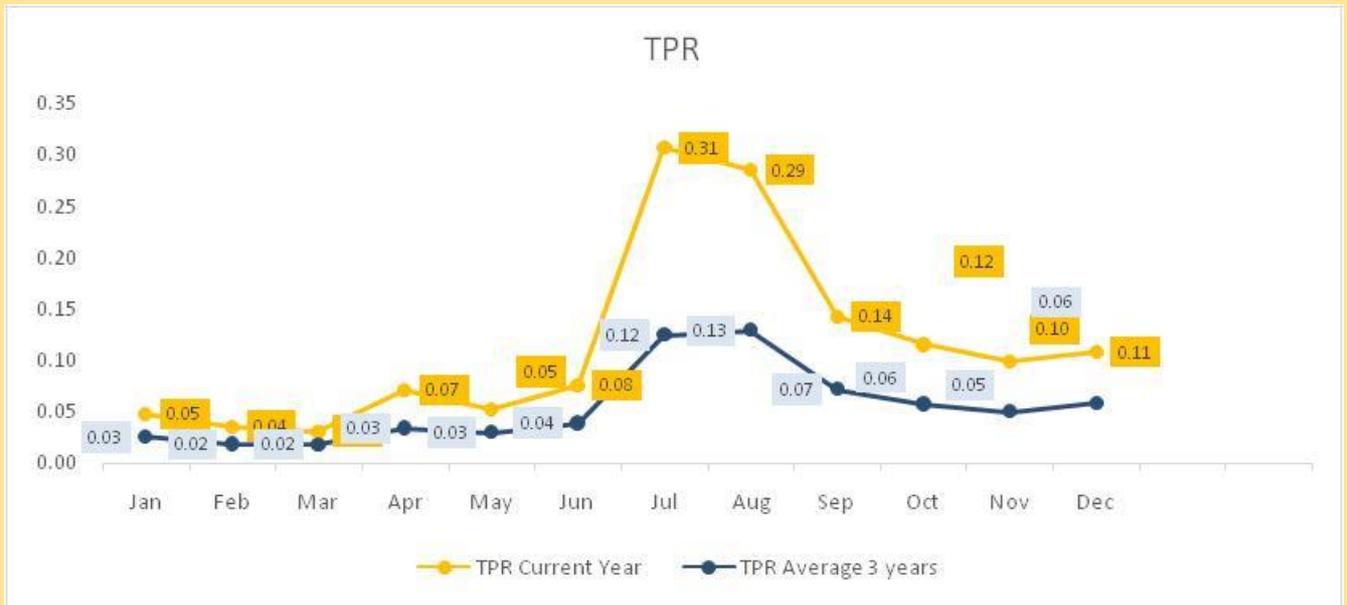
There is a decline of BSE by 29.7% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 30.7% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN MAHARASHTRA



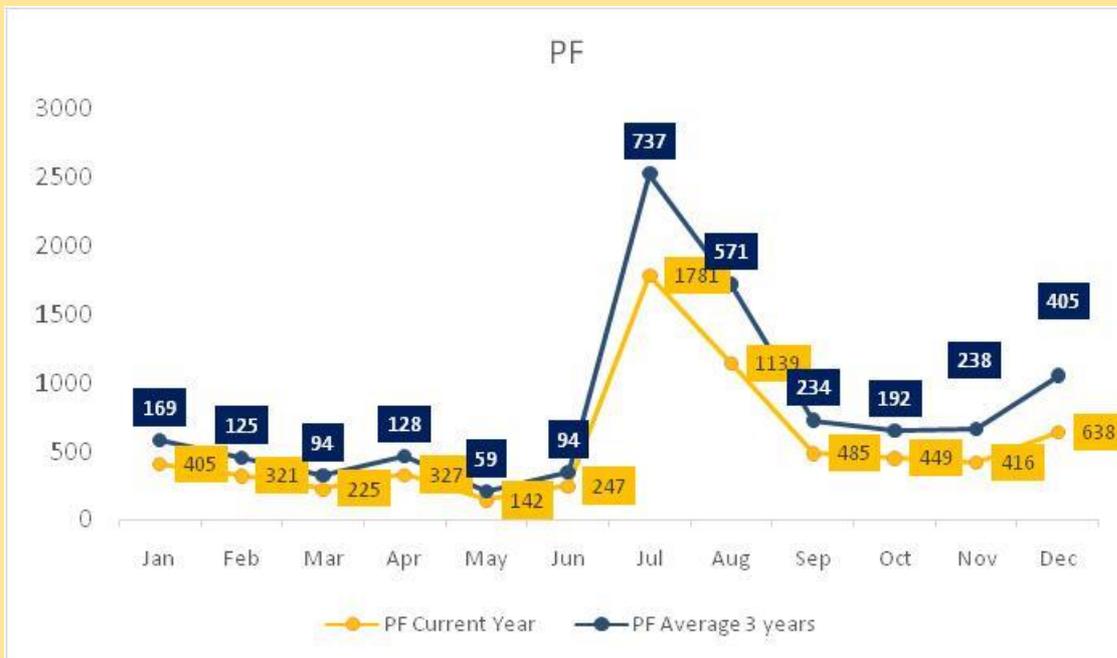
There is a decline of TPC by 6.5% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is an increase of TPC by 32.6% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN MAHARASHTRA



The TPR was 1.4 during (Jan-Dec) 2020 as compared to 0.9 for three years average cumulative of Jan-Dec. The TPR was 0.6 during (Jan-Dec) 2019. The TPR was increased by 133.8% during (Jan-Dec) 2020 as compared (Jan-Dec) 2019.

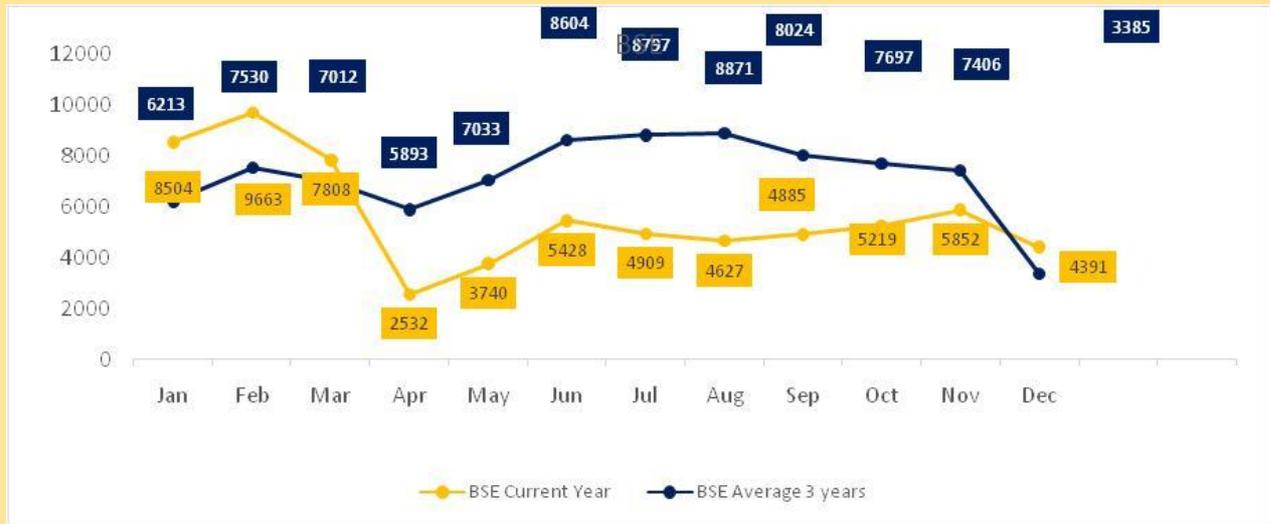
GRAPH 4: MONTH WISE TREND OF PF IN MAHARASHTRA



There is an increase of PF by 76.3% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is an increase of PF by 156.1% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

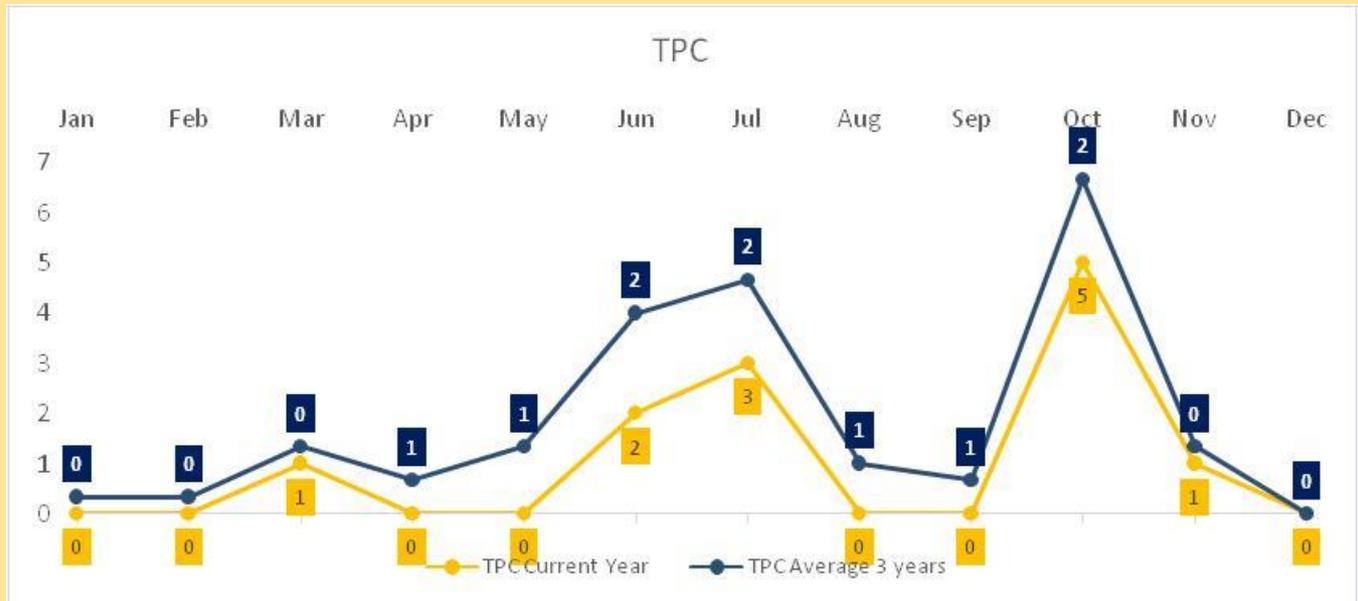
7) NAGALAND

GRAPH 1: MONTH WISE TREND OF BSE IN NAGALAND



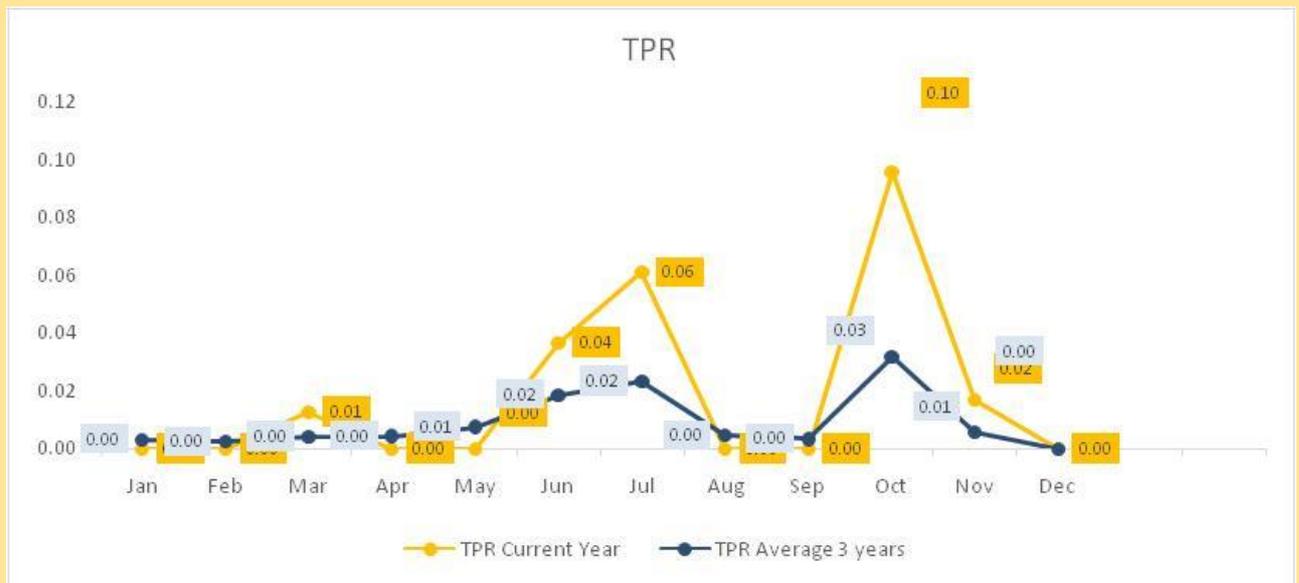
There is a decline of BSE by 71.2% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 65.6% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN NAGALAND



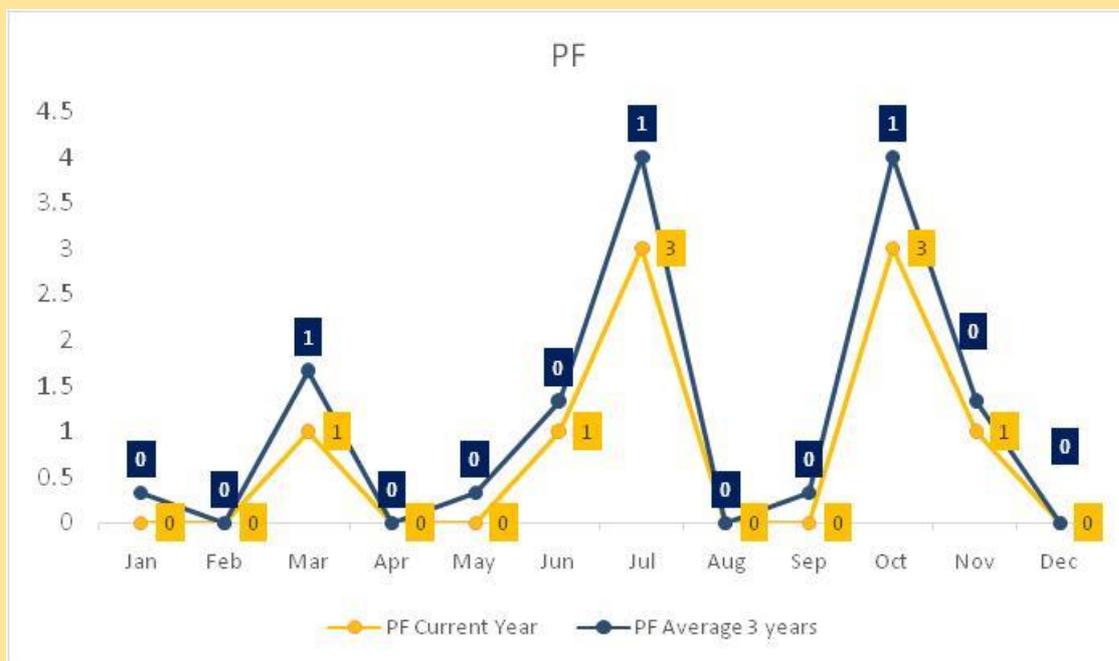
There is a decline of TPC by 93.2% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decrease of TPC by 36.8% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN NAGALAND



The TPR was 0.2 during (Jan-Dec) 2020 as compared to 0.8 for three years average cumulative of Jan-Dec. The TPR was 0.1 during (Jan-Dec) 2019. The TPR increased by 109.3% during (Jan-Dec) 2020 as compared (Jan-Dec) 2019.

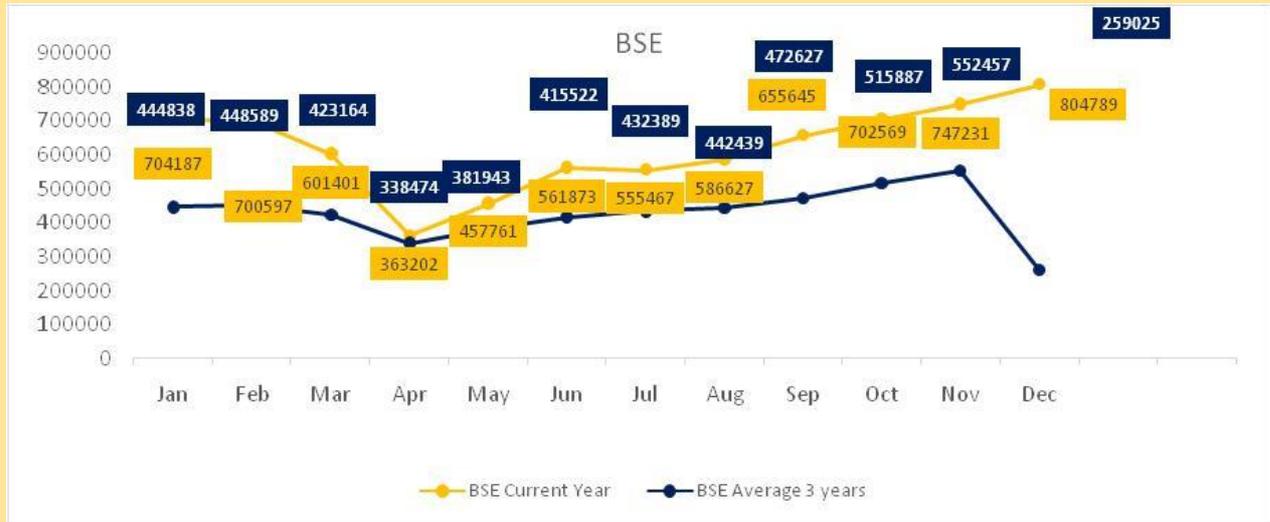
GRAPH 4: MONTH WISE TREND OF PF IN NAGALAND



There is a decline of PF by 87.7% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is an increase of PF by 125.0% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019

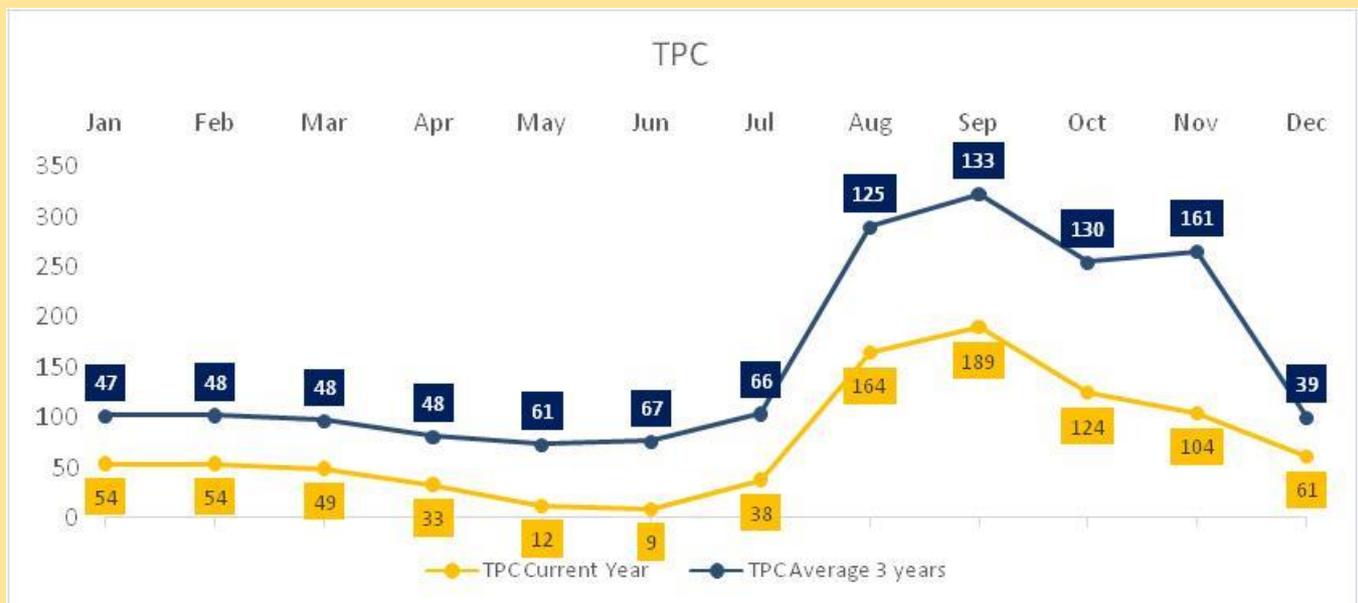
8) TAMILNADU

GRAPH 1: MONTH WISE TREND OF BSE IN TAMILNADU



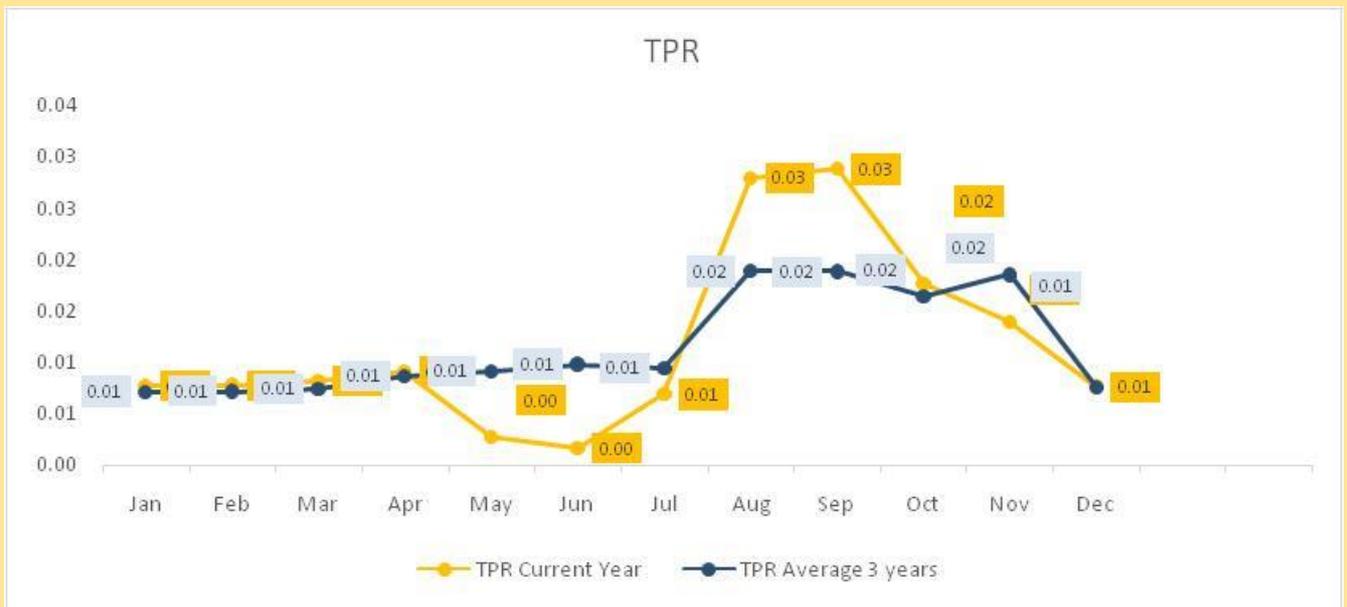
There is a decline of BSE by 11.8% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 14.9% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN TAMILNADU



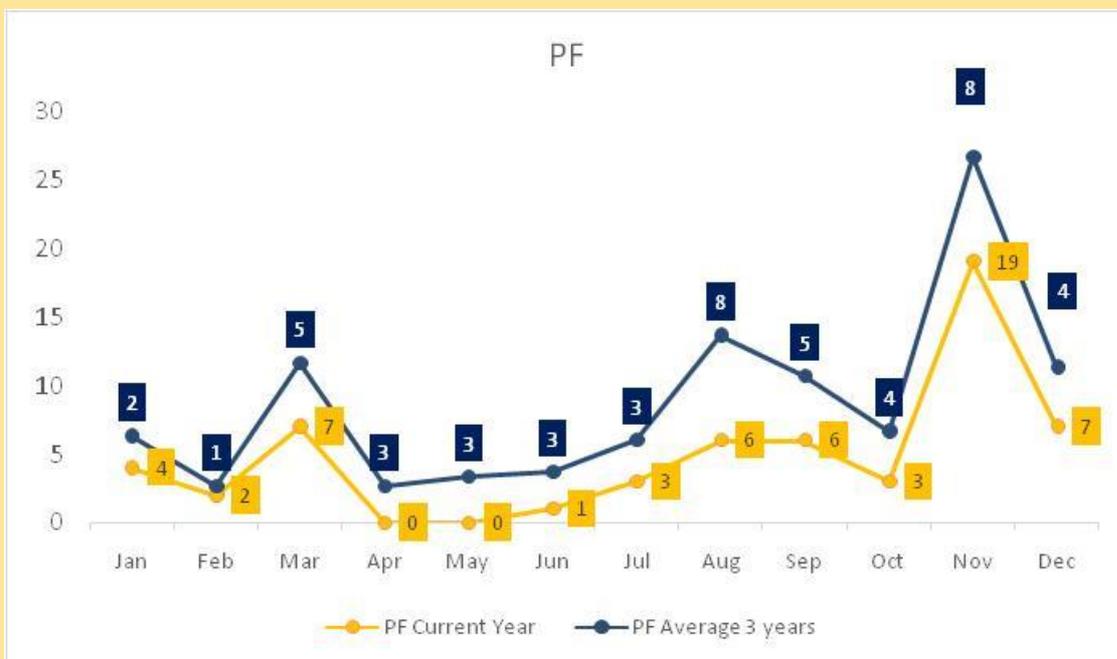
There is a decline of TPC by 78.0% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decrease of TPC by 60.2% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN TAMILNADU



The TPR was 0.1 during (Jan-Dec) 2020 as compared to 0.5 for three years average cumulative of Jan-Dec. The TPR was 0.3 during (Jan-Dec) 2019. The TPR was decreased by 49.7% during (Jan-Dec) 2020 as compared (Jan-Dec) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN TAMILNADU



There is a decline of PF by 62.1% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decline of PF by 31.0% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019

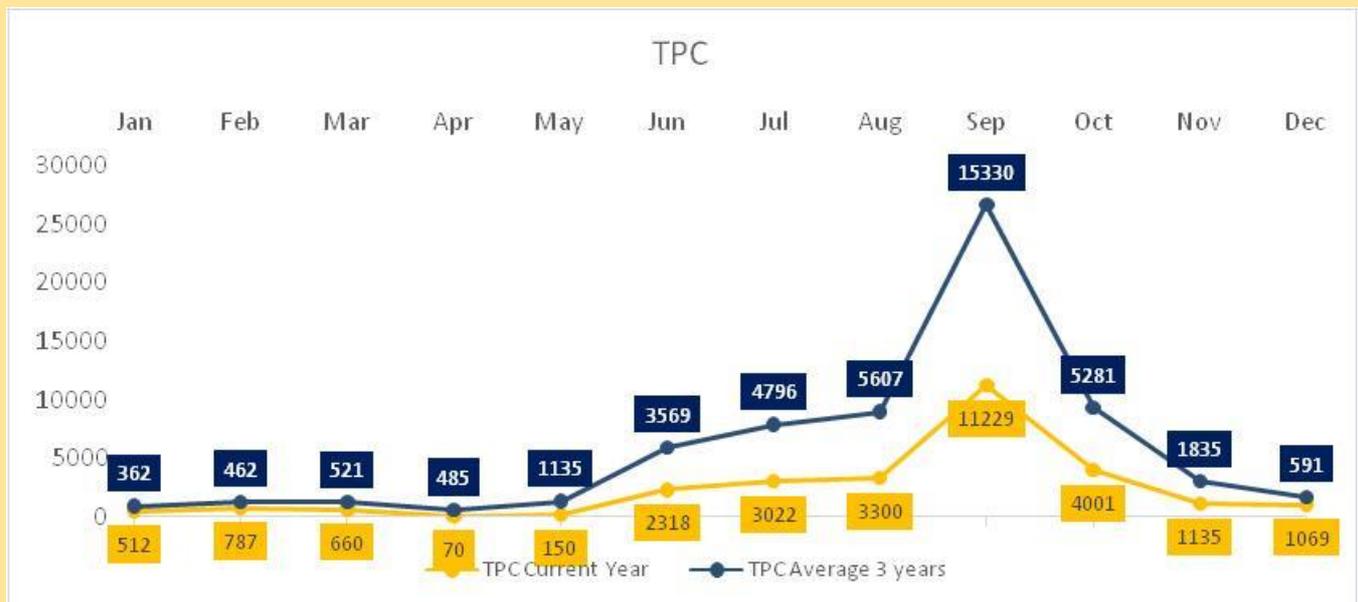
9) UTTAR PRADESH

GRAPH 1: MONTH WISE TREND OF BSE IN UTTAR PRADESH



There is a decline of BSE by 49.8% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 55.1% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN UTTAR PRADESH



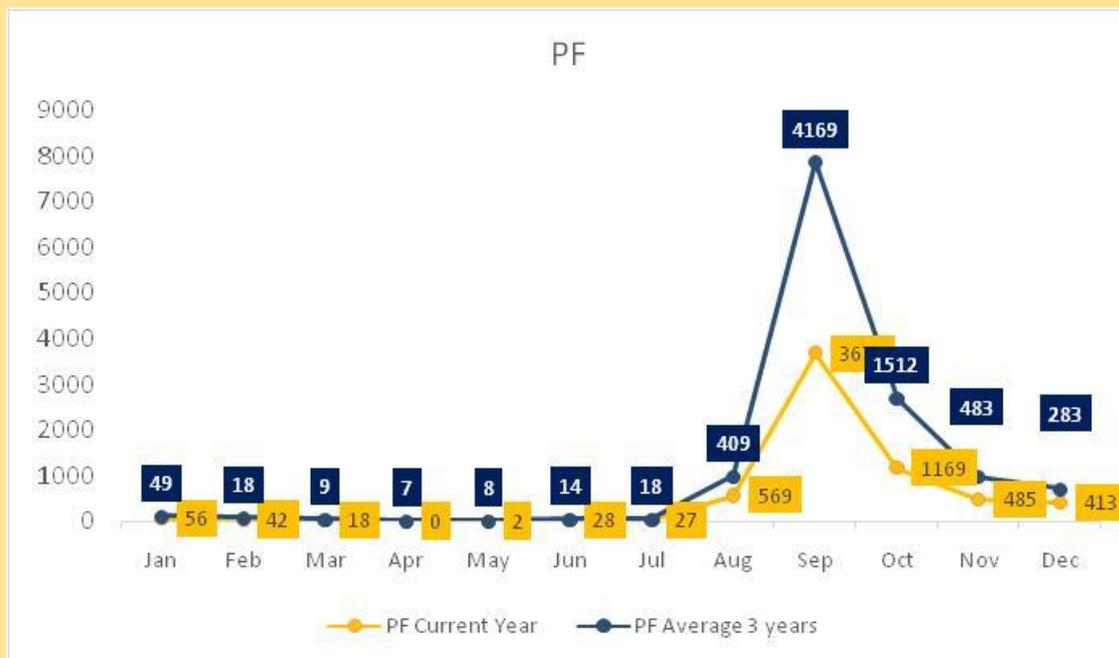
There is a decline of TPC by 57.2% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decrease of TPC by 70.7% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN UTTAR PRADESH



The TPR was 15.0 during (Jan-Dec) 2020 as compared to 10.9 for three years average cumulative of Jan-Dec. The TPR was 14.7 during (Jan-Dec) 2019. The TPR was increased by 2% during (Jan-Dec) 2020 as compared (Jan-Dec) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN UTTAR PRADESH



There is a decline of PF by 40.1% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decline of PF by 55.2% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

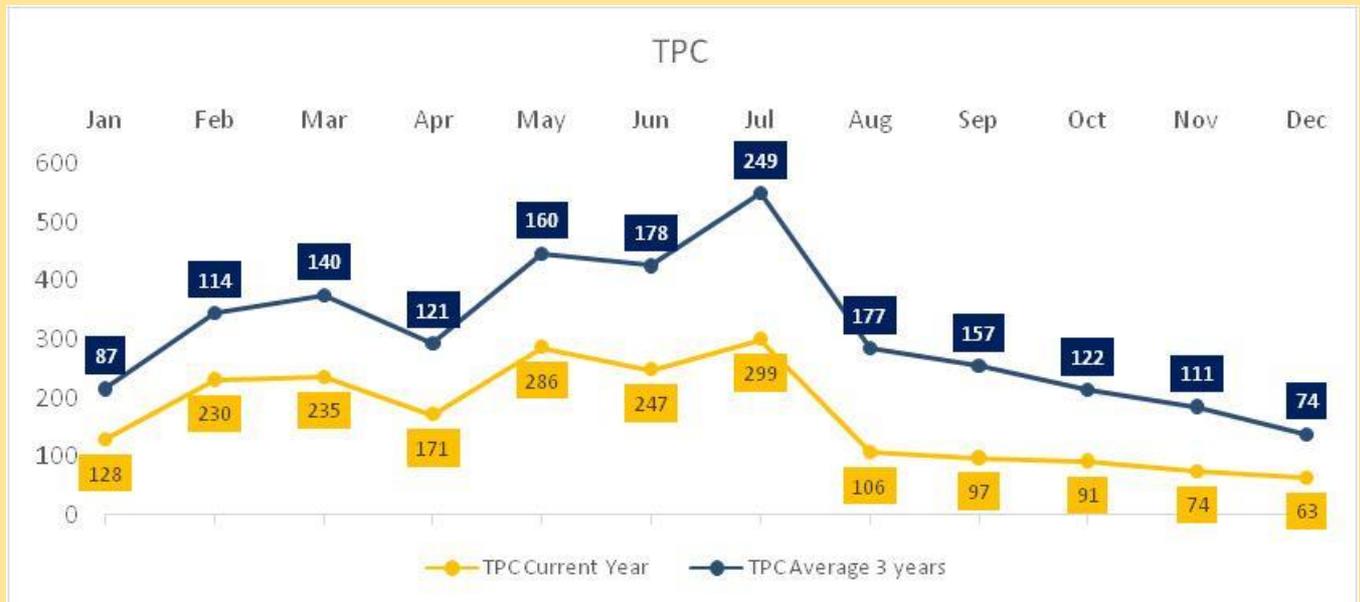
10) ANDHRA PRADESH

GRAPH 1: MONTH WISE TREND OF BSE IN ANDHRA PRADESH



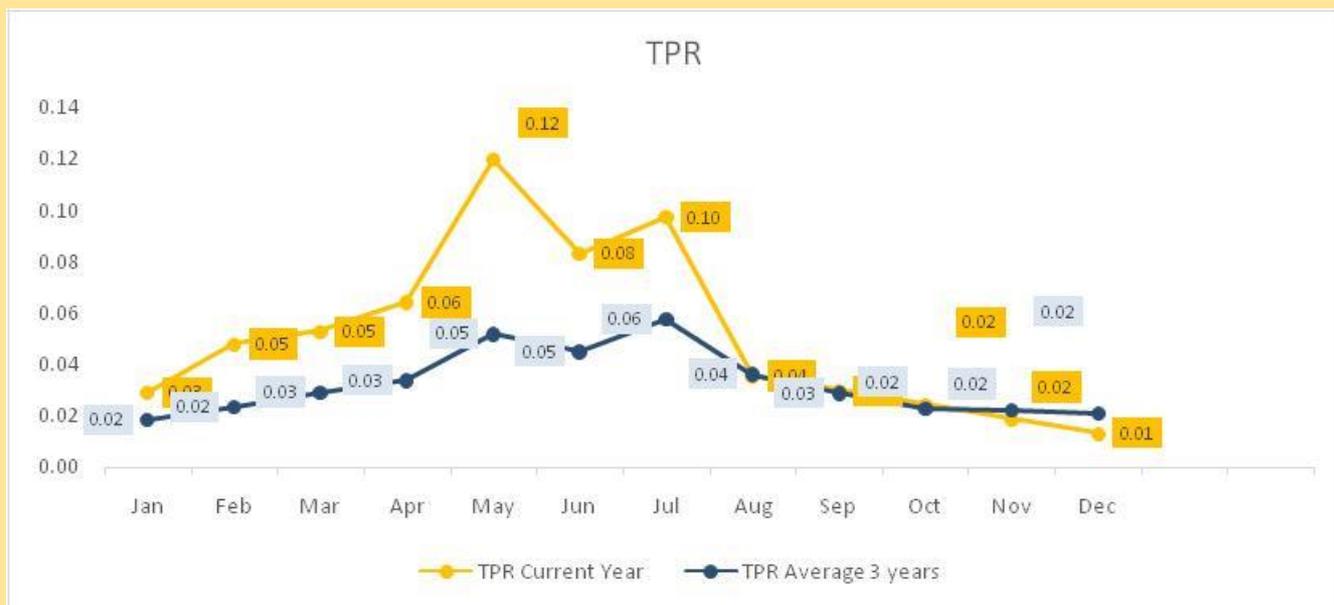
There is a decline of BSE by 33.7% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 33.8% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN ANDHRA PRADESH



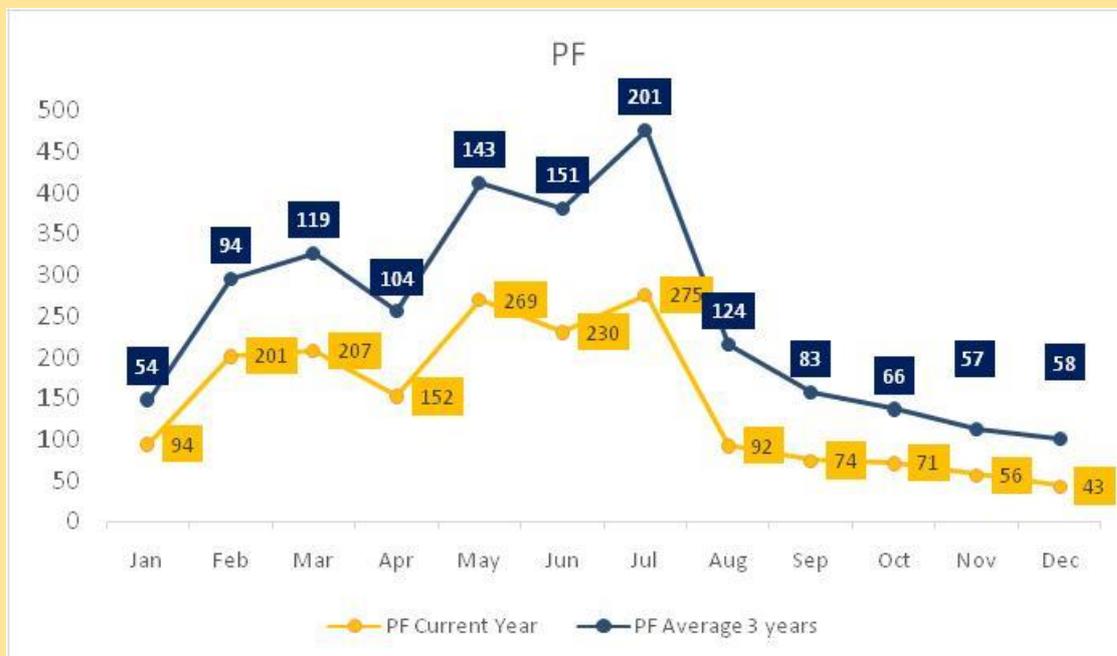
There is a decline of TPC by 77.4% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decrease of TPC by 36.7% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN ANDHRA PRADESH



The TPR was 0.6 during (Jan-Dec) 2020 as compared to 1.6 for three years average cumulative of Jan-Dec. The TPR was 0.6 during (Jan-Dec) 2019. The TPR increased by 10.4% during (Jan-Dec) 2020 as compared (Jan-Dec) 2019.

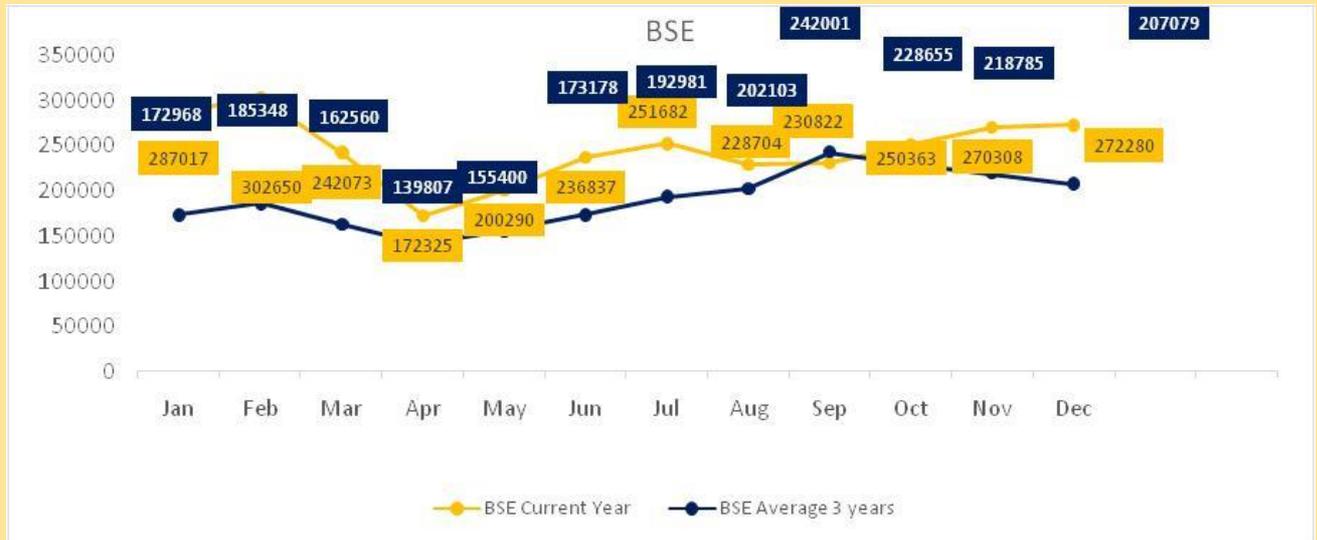
GRAPH 4: MONTH WISE TREND OF PF IN ANDHRA PRADESH



There is a decline of PF by 70.8% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is an increase of PF by 11.4% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

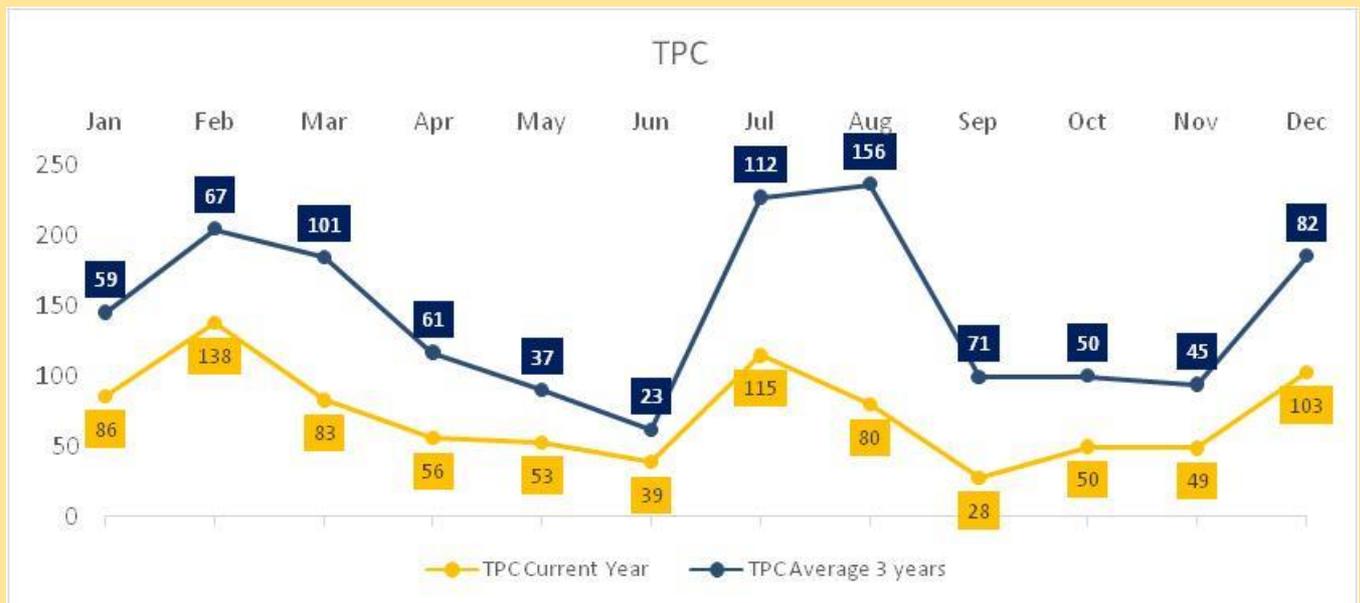
11) TELANGANA

GRAPH 1: MONTH WISE TREND OF BSE IN TELANGANA



There is a decline of BSE by 13.9% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 24.4% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN TELANGANA



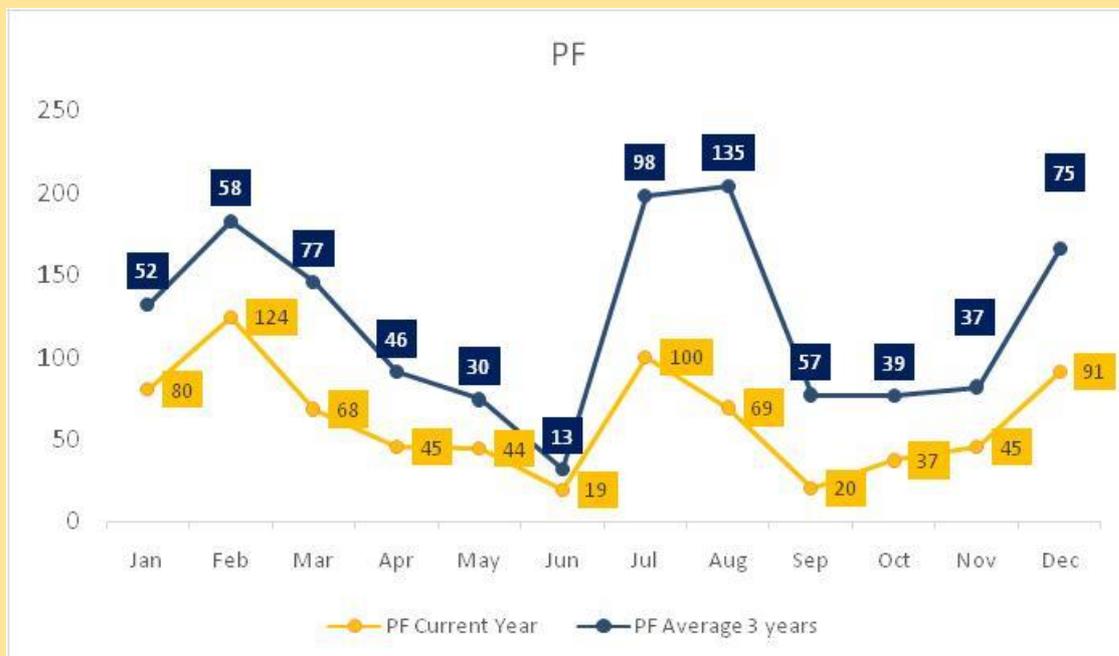
There is a decline of TPC by 62.3% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decrease of TPC by 54.6% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN TELANGANA



The TPR was 0.4 during (Jan- Nov) 2020 as compared to 0.7 for three years average cumulative of Jan- Nov. The TPR was 0.5 during (Jan- Nov) 2019. The TPR decreased by 33.3% during (Jan- Nov) 2020 as compared (Jan- Nov) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN TELANGANA



There is a decline of PF by 55.7% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decline of PF by 47.2% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019

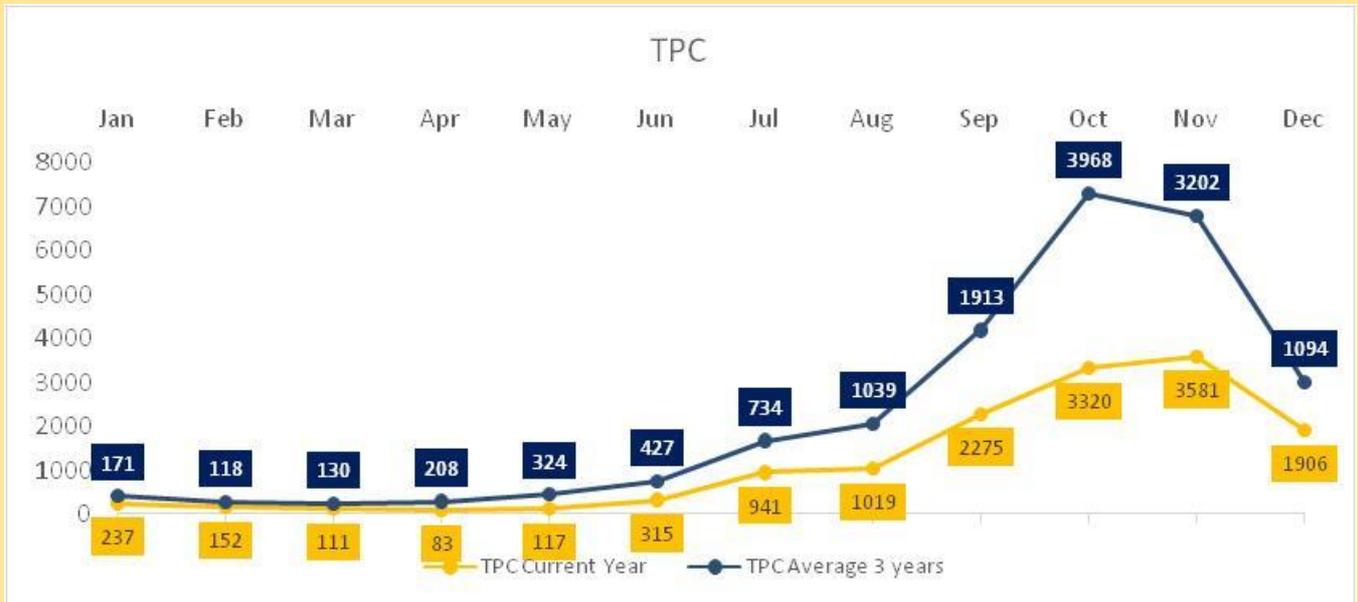
12) WEST BENGAL

GRAPH 1: MONTH WISE TREND OF BSE IN WEST BENGAL



There is a decline of BSE by 45.3% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is also a decline of BSE by 48.3% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 2: MONTH WISE TREND OF TPC IN WEST BENGAL



There is a decline of TPC by 56.4% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is a decrease of TPC by 53.1% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

GRAPH 3: MONTH WISE TREND OF TPR IN WEST BENGAL



The TPR was 2.3 during (Jan-Dec) 2019. The TPR increased by 14.5% during (Jan-Dec) 2020 as compared (Jan-Dec) 2019.

GRAPH 4: MONTH WISE TREND OF PF IN WEST BENGAL



There is a decline of PF by 29.9% during (Jan-Dec) 2020 as compared to three years average cumulative of Jan-Dec. There is an increase in Pf cases by 10.0% in (Jan-Dec) 2020 vis-à-vis (Jan-Dec) 2019.

13) Epidemiological indicators - Malaria

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%