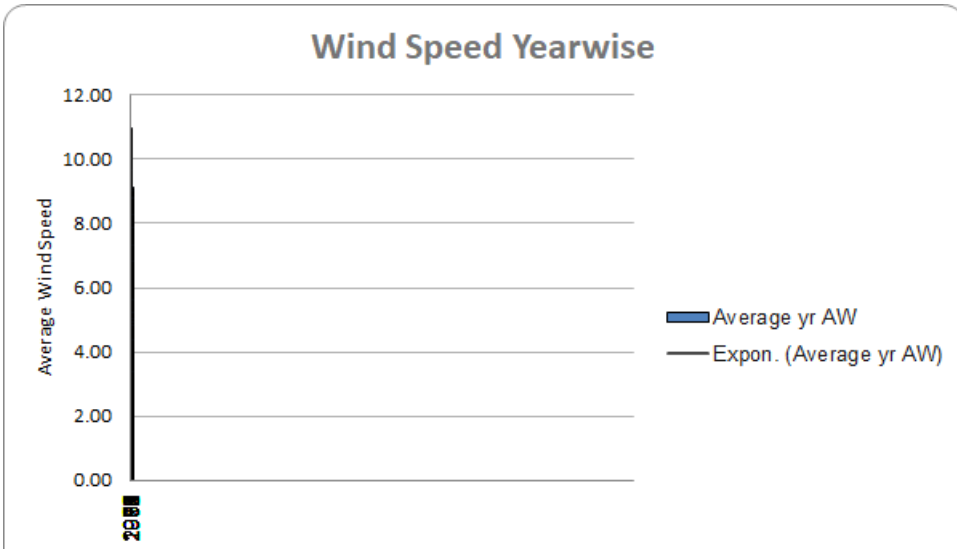
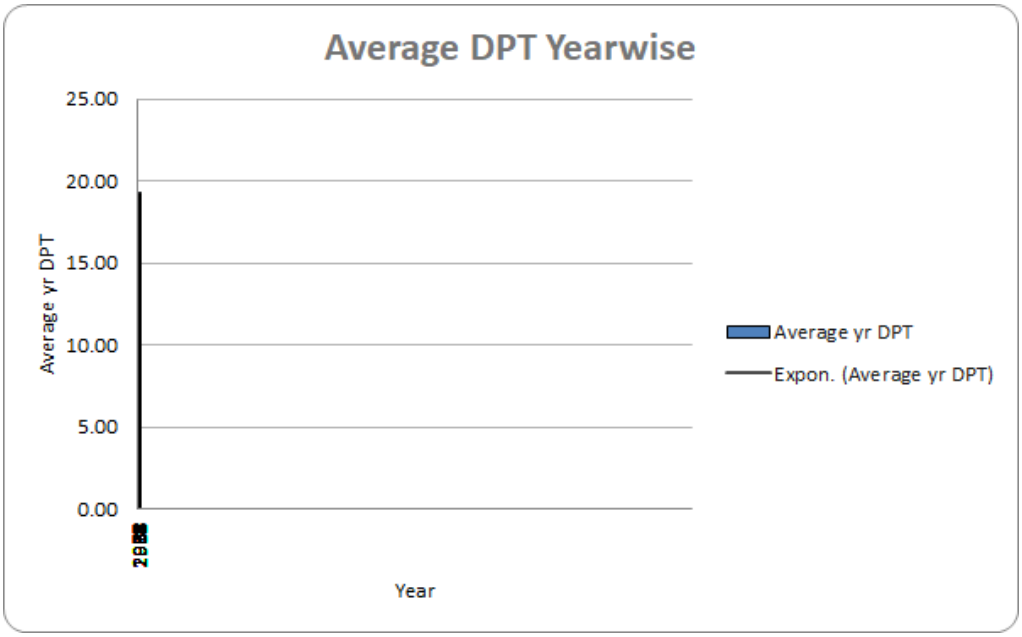
WEATHER REPORT OF NAGPUR

GEOGRAPHICAL AND METEOROLOGICAL INFORMATION OF NAGPUR

The northern part of Nagpur district is surrounded by Chindwada and Seoni district of Madhya Pradesh and it is Bhandara district on the east. South and West are Chandrapur and Wardha districts. So, some part of the northwest is covered by Amravati district.Nagpur city is rich in natural resources. Along with the agriculture sector, soybean, jowar and mineral wealth are rich in district. Nagpur is the largest producer of vegetables and grasses in Nagpur district. Besides, there are large reserves of Manganese in this district.The city of Nagpur, in the middle of the Bay of Bengal and the Indian diaspora that runs away from the Arabian Sea, is in its wet and dry conditions. The city has dry weather for most of the year. During the monsoon of June to September, Nagpur has 1205 mm of rain. On July 14, 1994, the city had recorded a record rainfall of 304 mm on the same day. They are equally warm during the summer of March to June. May is the highest temperature in May. November to January is the period of winter

GRAPH OF AVERAGE WIND SPEED AND AVERAGE DEW POINT TEMPERATURE



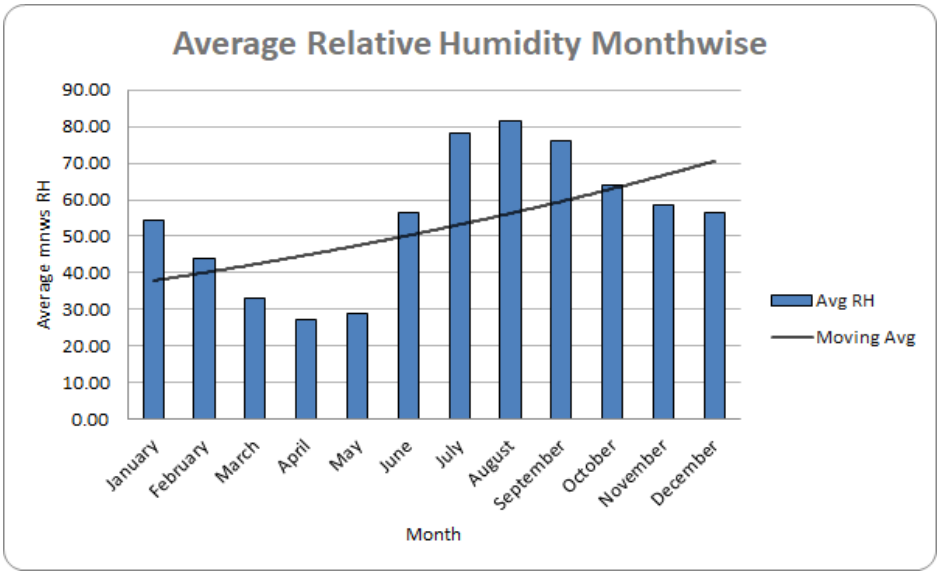


DATA OF AVERAGE MEAN SEA LEVEL PRESSURE,RELATIVE HUMIDITY, DEW POINT TEMPERATURE,AVERAGE VAPOUR PRESSURE(MONTHWISE)

MN	Month	Average Month Wise MSLP	Average mnws RH	Average mnws VP	Average mnws DPT
1	January	1014.62	54.55	13.58	10.98
2	February	1012.20	43.79	13.21	10.38
3	March	1009.19	33.08	13.19	10.19
4	April	1005.14	27.36	14.42	11.44
5	May	1001.21	29.11	17.30	14.25
6	June	999.29	56.39	24.91	20.60
7	July	1000.27	78.00	28.93	23.43
8	August	1001.62	81.28	29.01	23.48

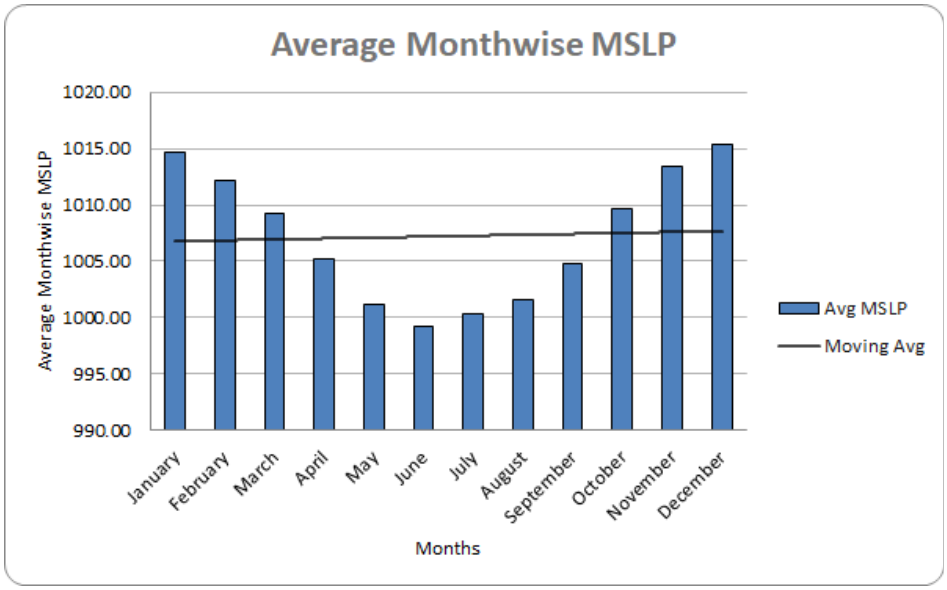
9	September	1004.76	75.90	28.00	22.86
10	October	1009.70	64.02	22.56	19.06
11	November	1013.41	58.71	17.25	14.70
12	December	1015.41	56.57	13.85	11.39

GRAPHS OF AVERAGE MEAN SEA LEVEL PRESSURE,RELATIVE HUMIDITY , DEW POINT TEMPERATURE,AVERAGE VAPOUR PRESSURE(MONTHWISE)

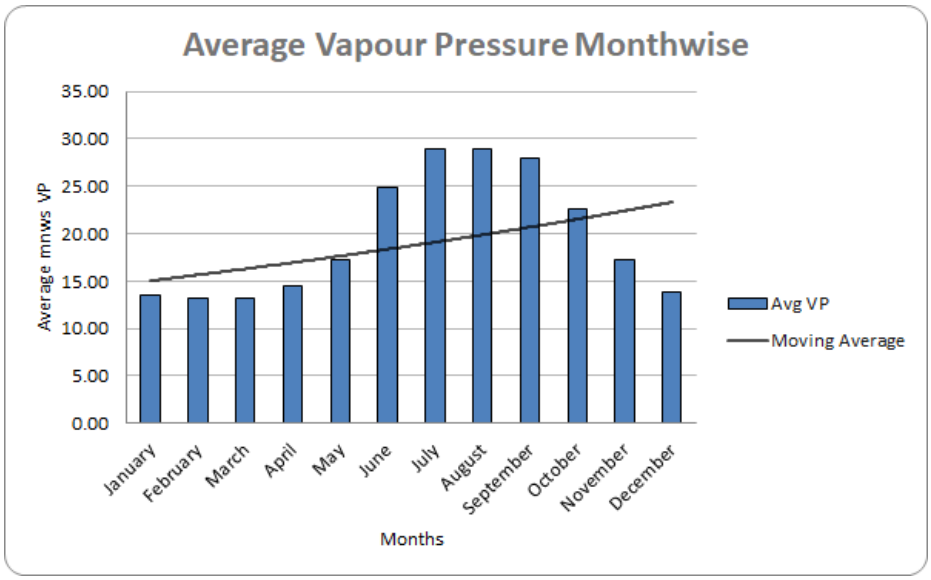


ABOVE GRAPH CLEARLY SHOWS THAT THE AVERAGE RELAVTIVE HUMIDITY STARTS INCREASING FROM THE MONTH OF JUNE .

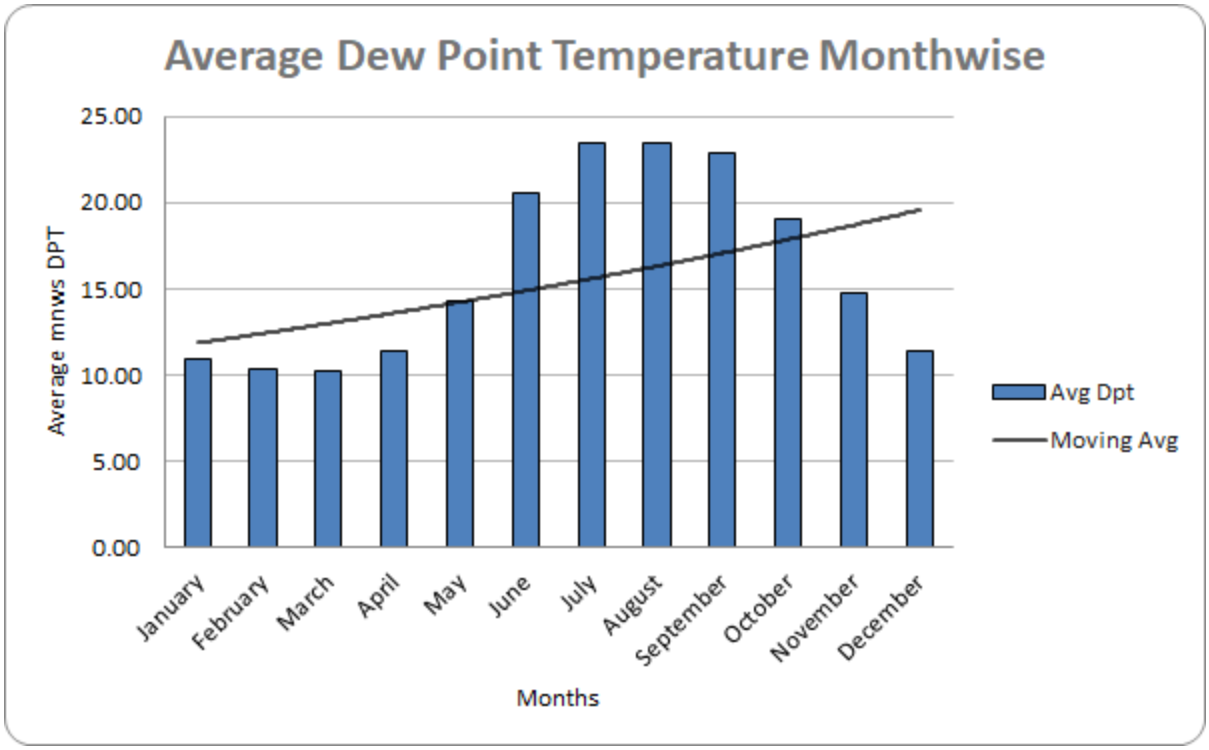
AND ITS HIGHEST IS MONTH OF AUGUST



IN THE ABOVE GRAPH THE AVERAGE MSLP STARTS INCREASING FROM THE MONTH OF JULY UP TO DECEMBER AND THEN FROM JAN IT STARTS DECREASING .
THE AVERAGE MSLP IS HIGHEST IN THE MONTH OF DECEMBER



IN THE ABOVE GRAPH VAPOUR PRESSURE IS HIGHEST IN JULY



IN THE ABOVE GRAPH THE AVERAGE DEW POINT TEMPERATURE INCREASES FROM THE MONTH OF MAY TO AUGUST .
AND THE FROM AUGUST IS STARTS DECREASING UP TO MARCH .
AVERAGE DEW POINT TEMPERATURE IS HIGHEST IN THE MONTH OF JULY .
IT IS LOWEST IN THE MONTH OF MARCH

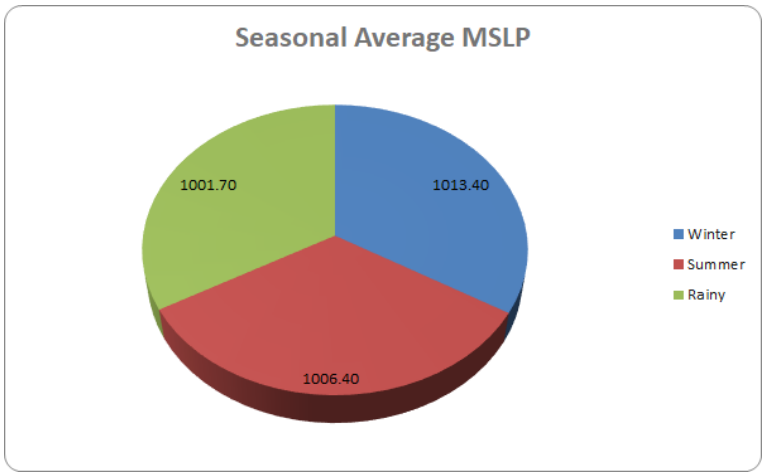
ABOVE GRAPHS SHOWS THE FOLLOWING DATA MONTH WISE .

GRAPHICAL REPRESENTATION OF FOLLOWING DATA IS AS FOLLOWS

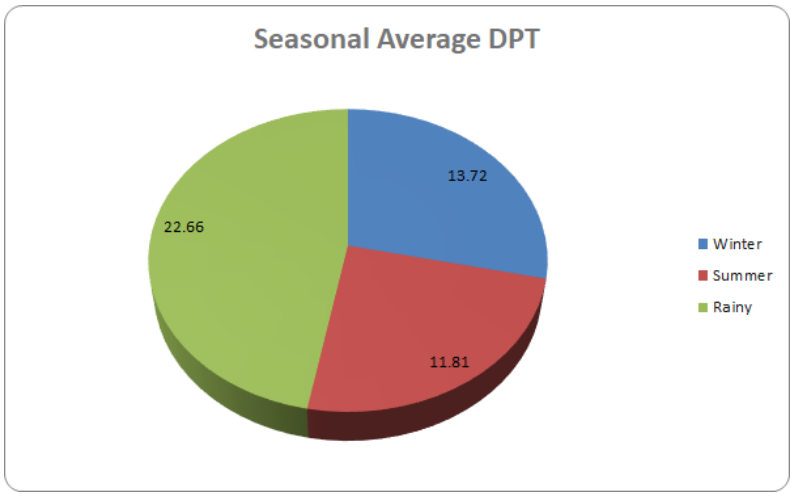
DATA OF AVERAGE MEAN SEA LEVEL PRESSURE,AVERAGE VAPOUR PRESSURE,DEW POINT TEMPERATURE ,RELATIVE HUMIDITY(SEASON WISE)

season	seas avg MSLP	seas avg DPT	seas avg RH	seas avg VP
W	1013.440151	13.71653794	58.01035817	16.44637108
S	1006.47972	11.80541189	32.85021966	14.80258037
R	1001.701477	22.6619278	73.73127248	27.80183791

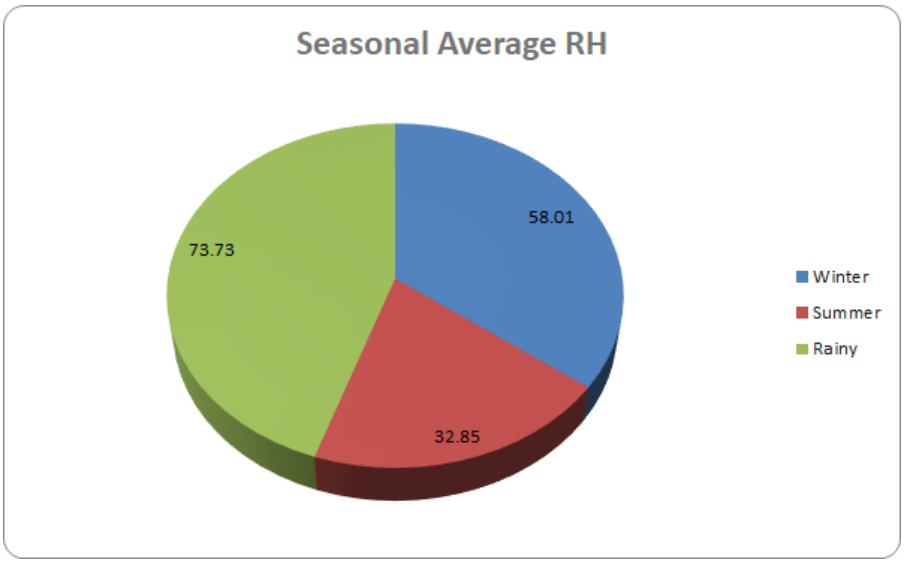
GRAPHS OF DATA OF AVERAGE MEAN SEA LEVEL PRESSURE,AVERAGE VAPOUR PRESSURE,DEW POINT TEMPERATURE ,RELATIVE HUMIDITY(SEASON WISE)



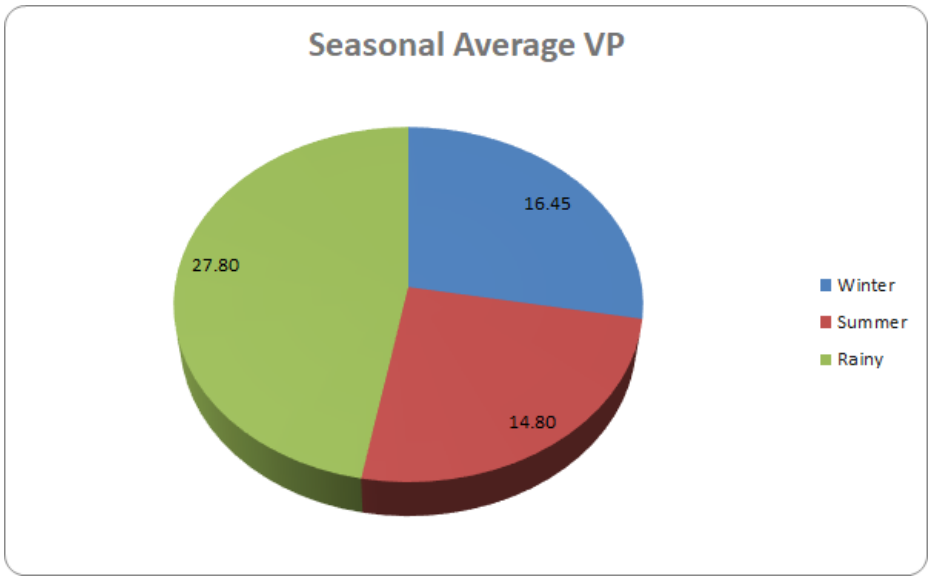
IN THE ABOVE PIE CHART AVG MSLP IS HIGHEST IN WINTER SEASON FOLLOWED BY SUMMER AND RAINY SEASONS



FROM ABOVE PIE CHART AVG DPT IS HIGHEST IN THE RAINY SEASON FOLLOWED WINTER AND SUMMER



ABOVE PIE CHART SHOWS THE AVERAGE RELATIVE HUMIDITY SEASON WISE . AVG RH IS HIGHEST IN RAINY SEASON AND LOWEST IN SUMMER

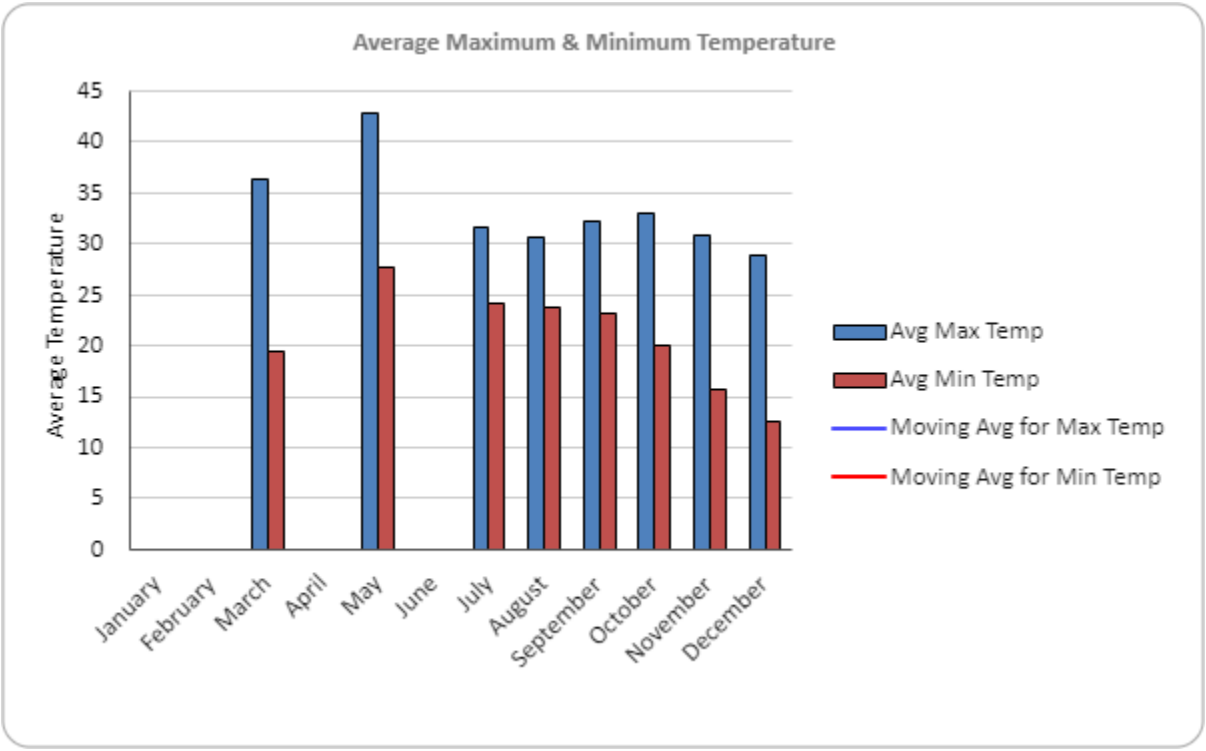


IN THE ABOVE PIE CHART AVERAGE VAPOUR PRESSURE IS HIGHEST IN RAINY SEASON FOLLOWED BY SUMMER AND WINTER SEASON .

DATA OF AVG MAX /MIN TEMPERATURE MONTHWISE

Month	avg max temp	avg min temp	Month
1	#DIV/0!	#DIV/0!	January
2	#DIV/0!	#DIV/0!	February
3	36.41820203	19.52219689	March
4	#DIV/0!	#DIV/0!	April
5	42.78717636	27.79726137	May
6	#DIV/0!	#DIV/0!	June
7	31.71665865	24.25613187	July
8	30.68028134	23.70685248	August
9	32.30460308	23.12422281	September
10	33.00603819	19.98863102	October
11	30.90465774	15.69598562	November
12	28.7942749	12.55637451	December

GRAPHICAL REPRESENTATION OF ABOVE DATA



FROM THE ABOVE GRAPH IT IS CLEAR THAT THE AVERAGE MAXIMUM TEMPERATURE IS IN THE MONTH OF MAY .

AND THE AVG MINIMUM TEMPERATURE IS IN THE MONTH OF DECEMBER

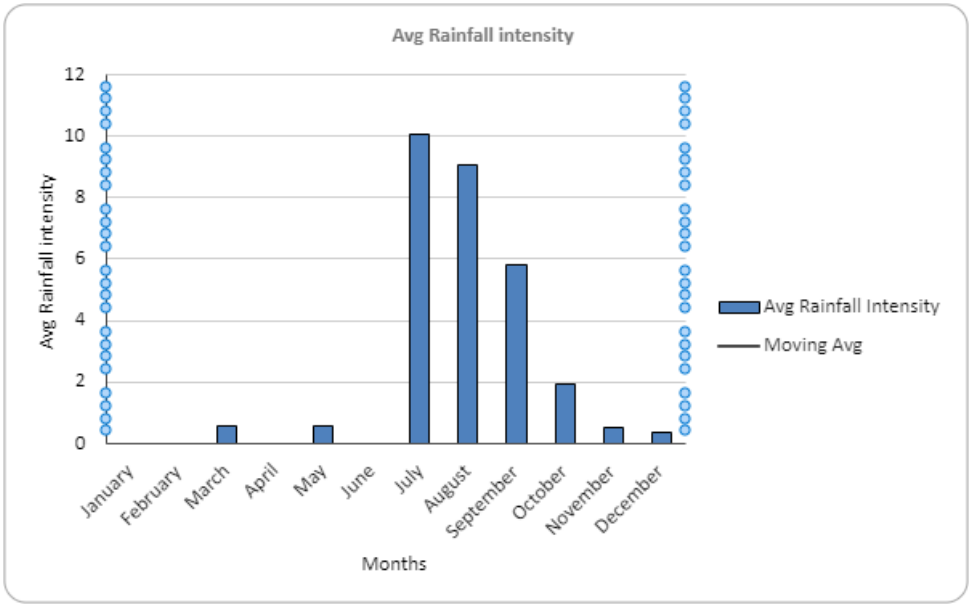
THE MAXIMUM TEMPERATURE TOUCHES AT 45 DEGREE CELSIUS.

AND THE MINIMUM TEMPERATURE TOUCHES AT 10 DEGREE CELSIUS.

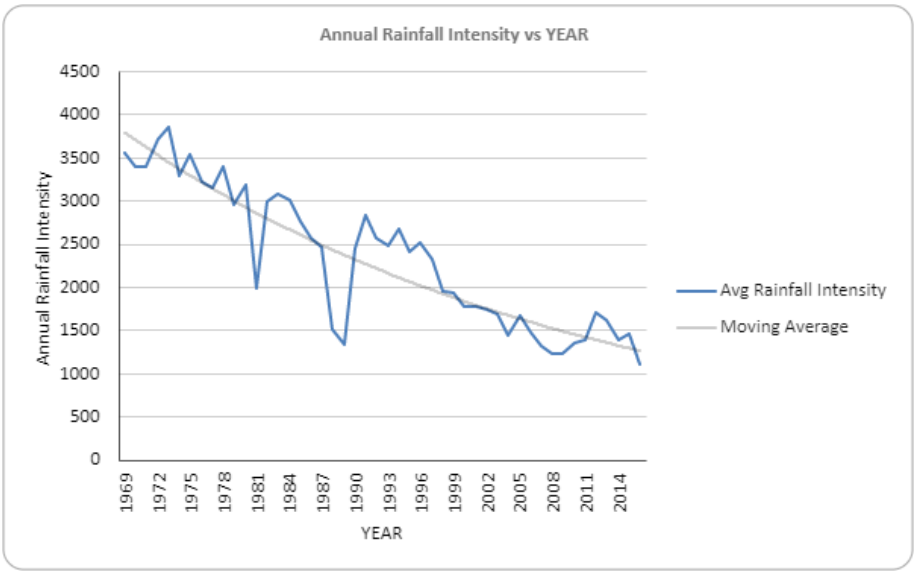
DATA OF AVERAGE RAINFALL INTENSITY

MONTH	Avg Rainfall intensity	Avg Evaporation Intensity
1	#DIV/0!	#DIV/0!
2	#DIV/0!	#DIV/0!
3	0.592809921	5.636394146
4	#DIV/0!	#DIV/0!
5	0.582096214	8.249301655
6	#DIV/0!	#DIV/0!
7	10.08703035	3.778660077
8	9.041713292	3.437092835
9	5.823829882	4.084328178
10	1.933197431	4.222265474
11	0.501660015	3.673843094
12	0.347247868	3.22333359

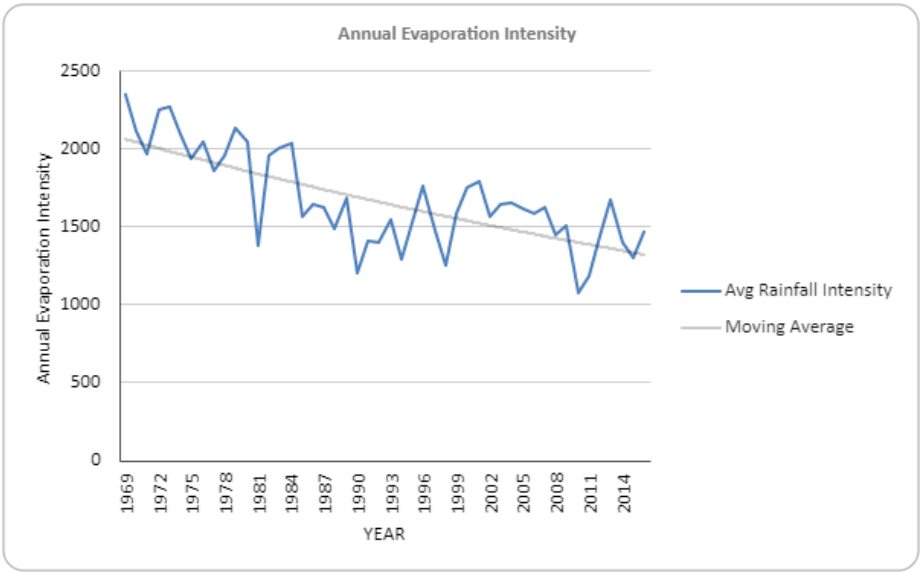
GRAPHICAL REPRESENTATION OF ABOVE DATA



GRAPHS OF ANNUAL RAINFALL INTENSITY AND ANNUAL EVAPORATION INTENSITY



FROM THE GIVEN GRAPH IT IS CLEAR THAT THE AVERAGE ANNUAL RAINFALL INTENSITY IS DECREASING YEAR BY YEAR

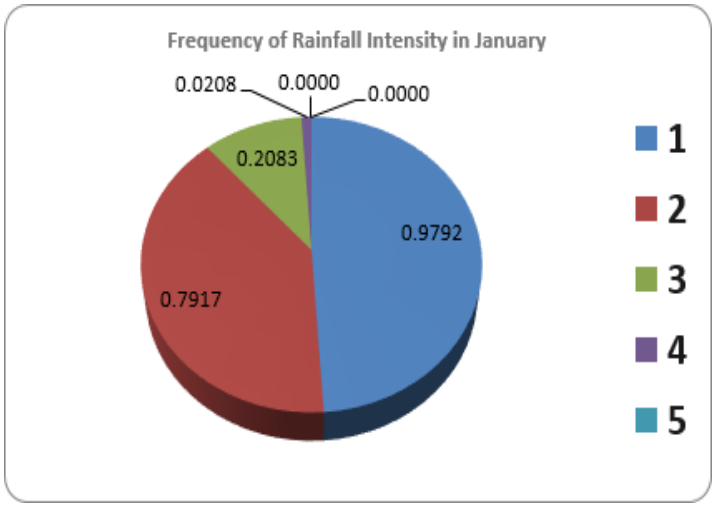


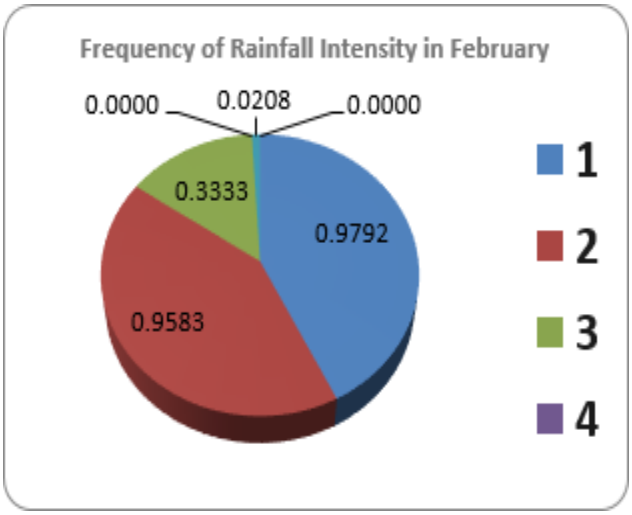
FROM THE GIVEN GRAPH IT IS CLEAR THAT THE AVERAGE ANNUAL EVAPORATION INTENSITY IS DECREASING YEAR BY YEAR

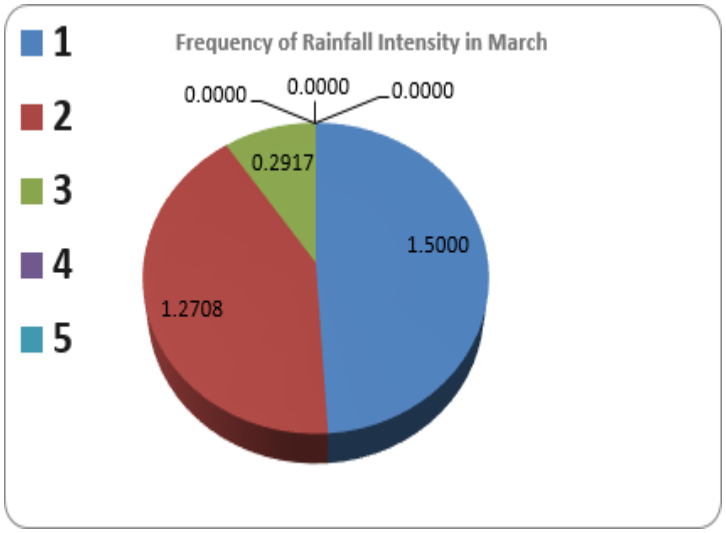
DATA ABOUT THE AMOUNT OF RAINFALL

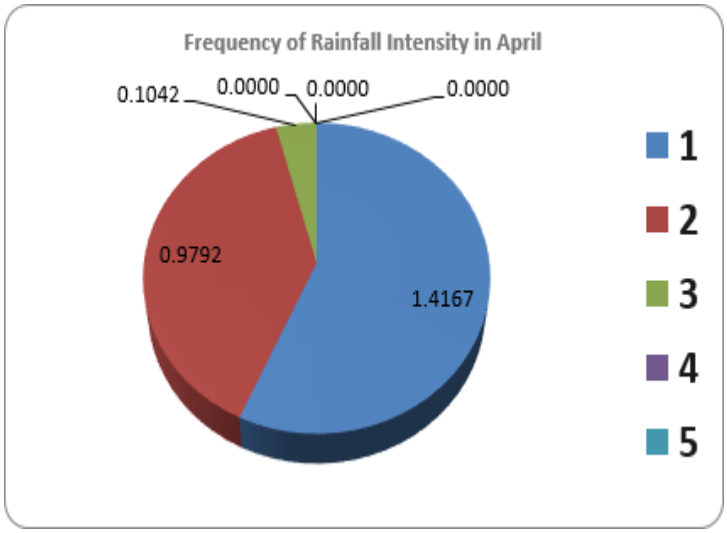
MN	Very Light(0.1-2.4mm)	Light(2.5-15.5 mm)	Moderate(15.6-64.4mm)	Heavy(64.5-115.5mm)	Very Heavy (115.6-204.4mm)	Extremely Heavy(>=204.5mm)	Exceptionally Heavy
1	0.9792	0.7917	0.2083	0.0208	0.0000	0.0000	
2	0.9792	0.9583	0.3333	0.0000	0.0208	0.0000	
3	1.5000	1.2708	0.2917	0.0000	0.0000	0.0000	
4	1.4167	0.9792	0.1042	0.0000	0.0000	0.0000	
5	2.3750	1.4792	0.2500	0.0000	0.0000	0.0000	
6	4.4375	5.4375	2.7292	0.3333	0.0833	0.0000	
7	7.4375	7.7500	5.6250	0.4375	0.1875	0.0208	
8	7.2292	7.8333	4.4583	0.5833	0.1250	0.0208	
9	5.1250	4.9583	3.0000	0.3750	0.0833	0.0000	
10	1.7917	1.8958	0.8542	0.1667	0.0208	0.0000	
11	0.5833	0.6042	0.2708	0.0417	0.0000	0.0000	
12	0.4167	0.3958	0.2708	0.0000	0.0000	0.0000	

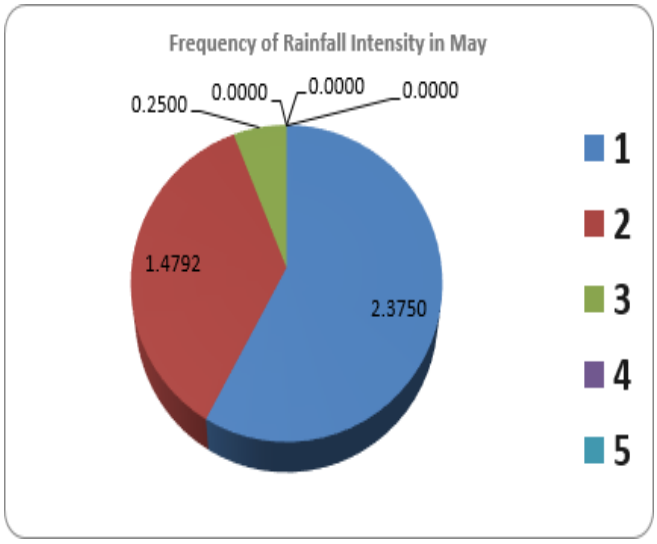
GRAPHICAL REPRESENTATION OF ABOVE DATA(MONTHLY)

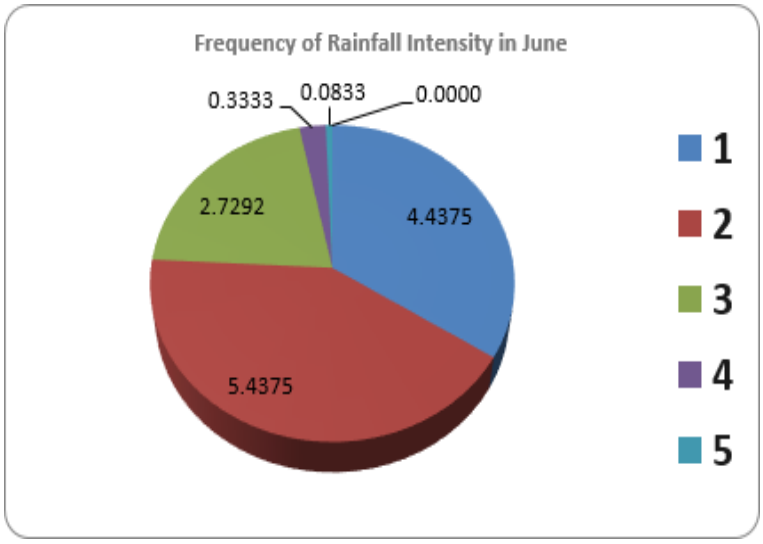


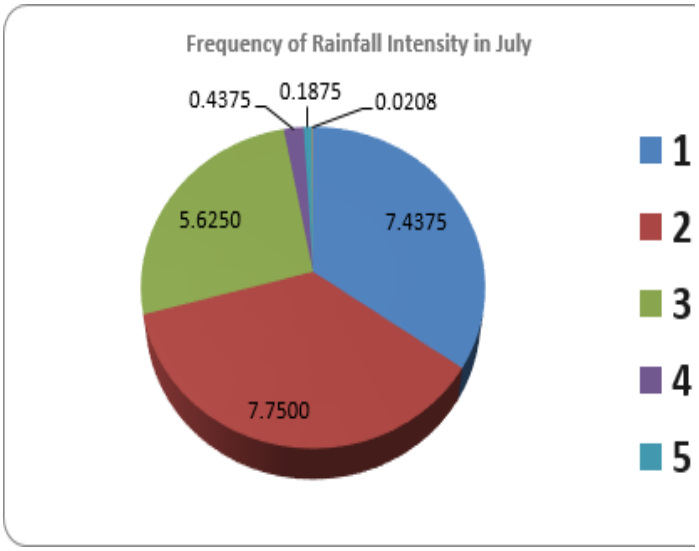


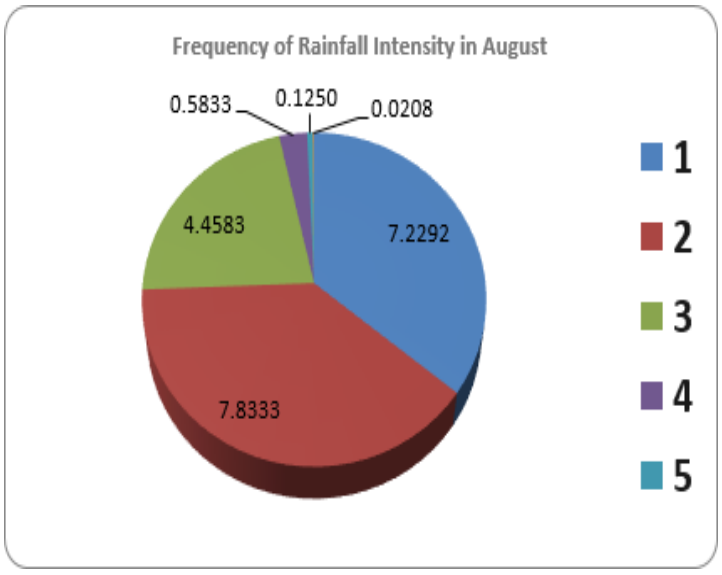


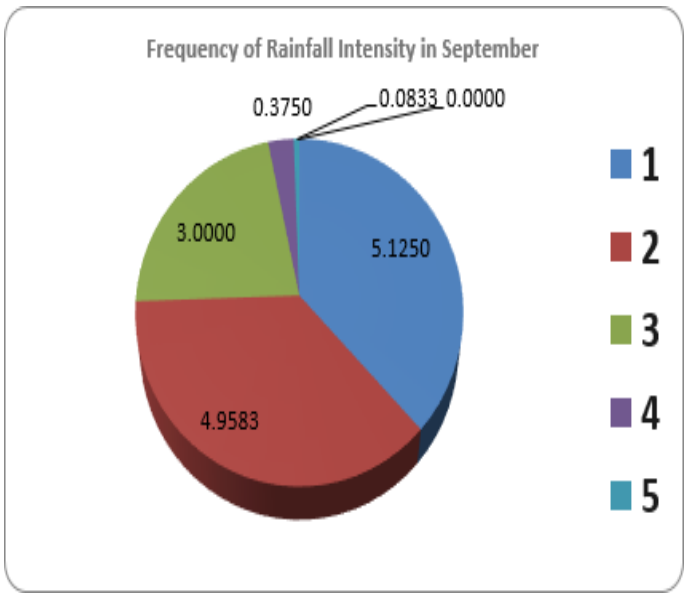


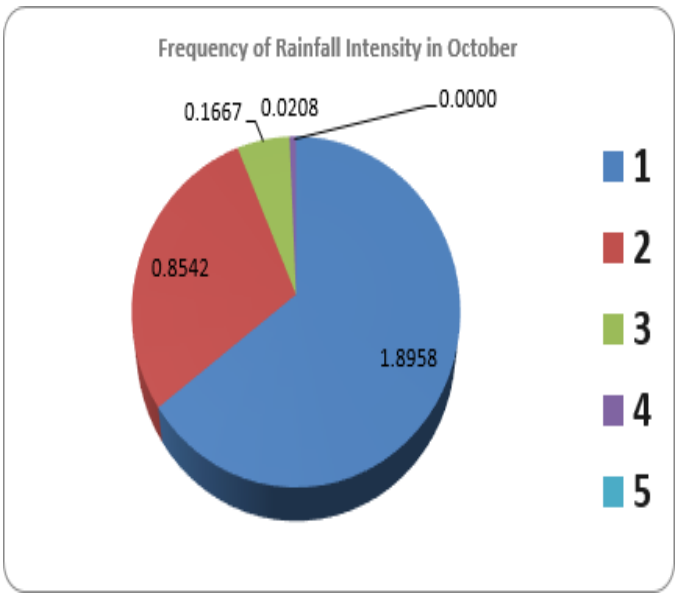

Frequency of Rainfall Intensity in May
0.2500
0.0000
0.0000
0.0000
1.4792
2.3750
1
2
3
4
5

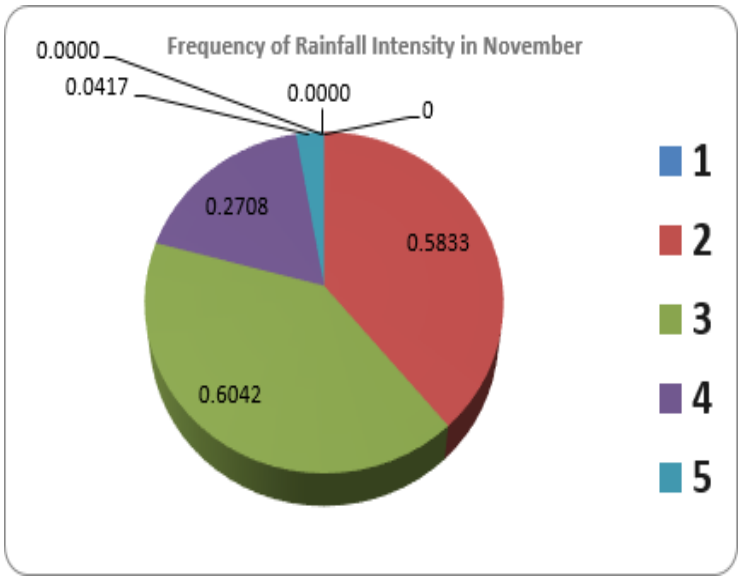

Frequency of Rainfall Intensity in June
0.3333
0.0833
0.0000
2.7292
4.4375
5.4375
1
2
3
4
5

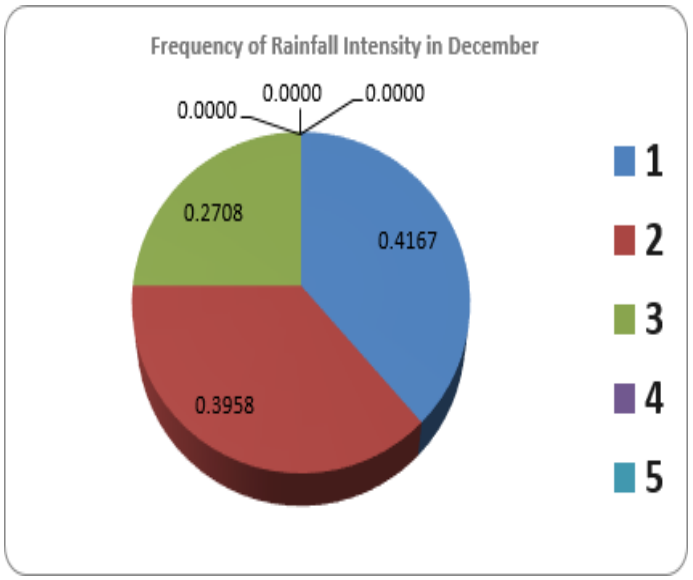

Frequency of Rainfall Intensity in July
0.4375
0.1875
0.0208
5.6250
7.4375
7.7500
1
2
3
4
5


Frequency of Rainfall Intensity in August
0.5833
0.1250
0.0208
4.4583
7.2292
7.8333
1
2
3
4
5


Frequency of Rainfall Intensity in September
0.3750
0.0833
0.0000
3.0000
5.1250
4.9583
1
2
3
4
5


Frequency of Rainfall Intensity in October
0.1667
0.0208
0.0000
0.8542
1.8958
1
2
3
4
5

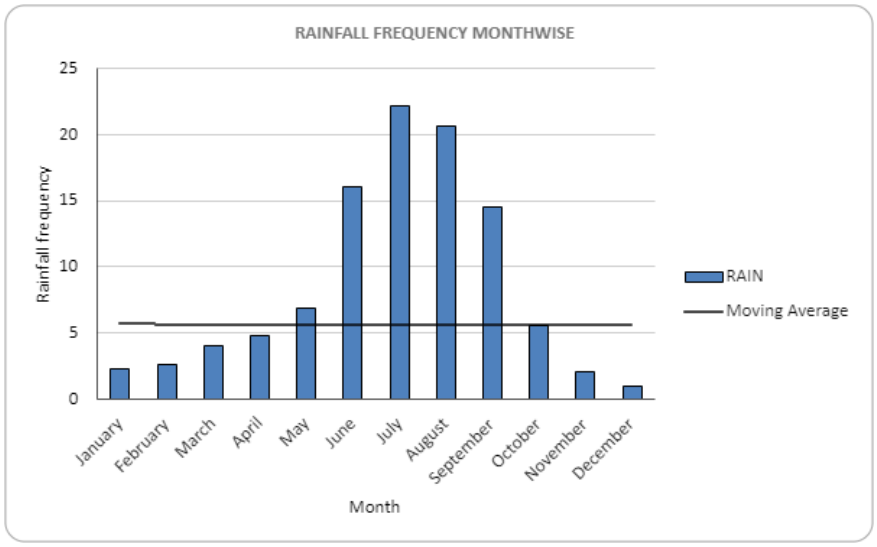

Frequency of Rainfall Intensity in November
0.0000
0.0417
0.0000
0
0.2708
0.5833
0.6042
1
2
3
4
5


Frequency of Rainfall Intensity in December
0.0000
0.0000
0.0000
0.2708
0.4167
0.3958
1
2
3
4
5

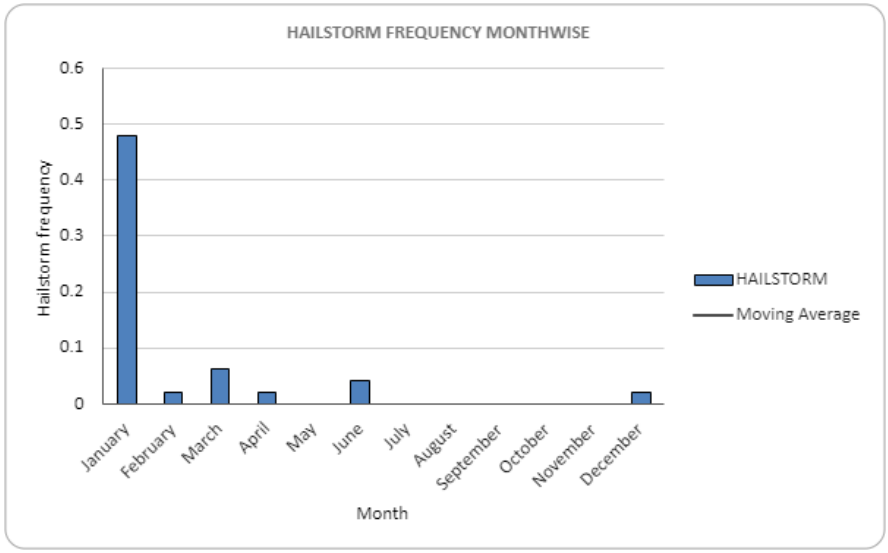
DATA OF FREQUENCY OF DRIZZLE ,HAILSTORM,RAIN ,SNOW,FOG,GALE,THUNDERSTORM ,DUST STORM

MN	Month	RAIN	SNOW	SLEET	HAILSTORM	FOG	GALE	DRIZZLE	THUNDERSTORM	DUST STORM
1	January	2.25	0	0	0.479166667	0.47916666667	0	0.375	0.979166667	0
2	February	2.604166667	0	0	0.020833333	0.125	0	0.229166667	1.666666667	0.020833333
3	March	4.0625	0	0	0.0625	0.020833333	0	0.395833333	3.125	0.041666667
4	April	4.833333333	0	0	0.020833333	0.020833333	0.020833333	0.229166667	4.458333333	0.083333333
5	May	6.854166667	0.020833333	0	0	0	0	0.395833333	6.020833333	0.104166667
6	June	16.04166667	0	0	0.041666667	0	0	2.8125	11.0625	0.041666667
7	July	22.16666667	0	0	0	0.04166666667	0	7.583333333	8.666666667	0
8	August	20.6875	0	0	0	0.125	0		7.041666667	0
9	September	14.47916667	0	0	0	0.0625	0	3.416666667	8.416666667	0.020833333
10	October	5.5	0	0	0	0.125	0	1.25	2.729166667	0
11	November	2.041666667	0	0	0	0.125	0	0.645833333	0.625	0.020833333
12	December	0.958333333	0	0	0.020833333	0.3125	0	0.291666667	0.229166667	0.020833333

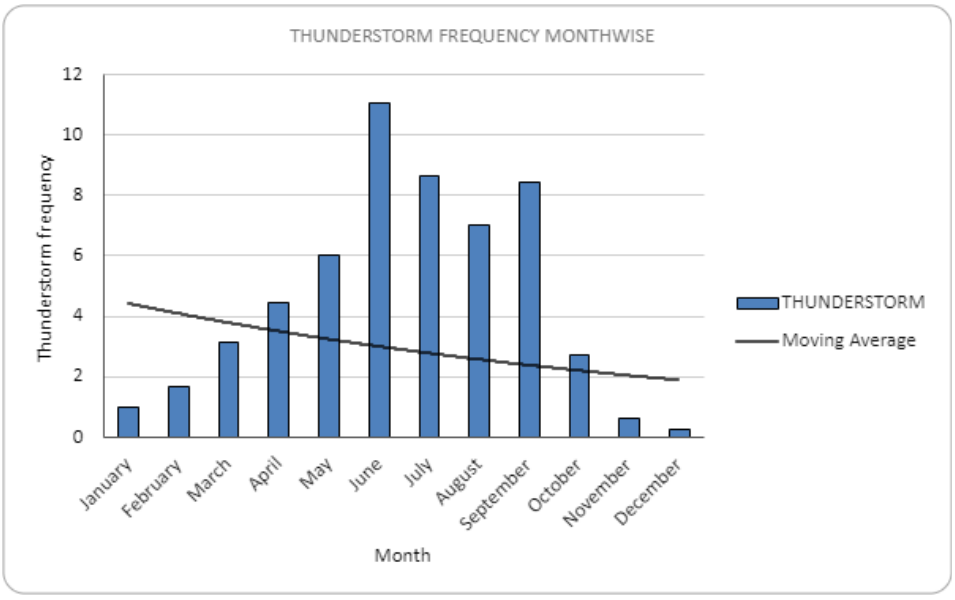
GRAPHICAL REPRESENTATION OF ABOVE



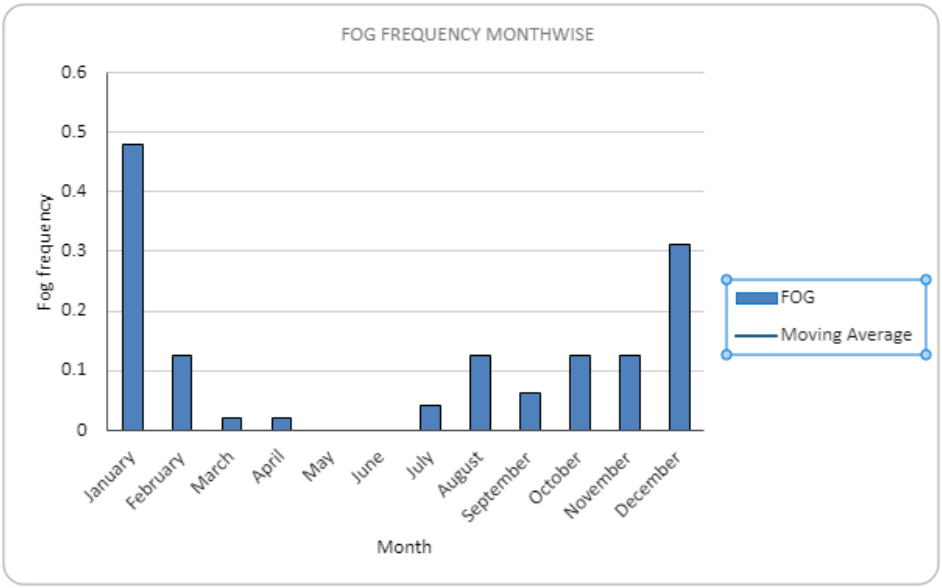
ABOVE GRAPH SHOWS THAT HIGHEST FREQUENCY OF RAINFALL IS IN JULY MONTH.
AND LOWEST FREQUENCY IS IN DECEMBER MONTH.



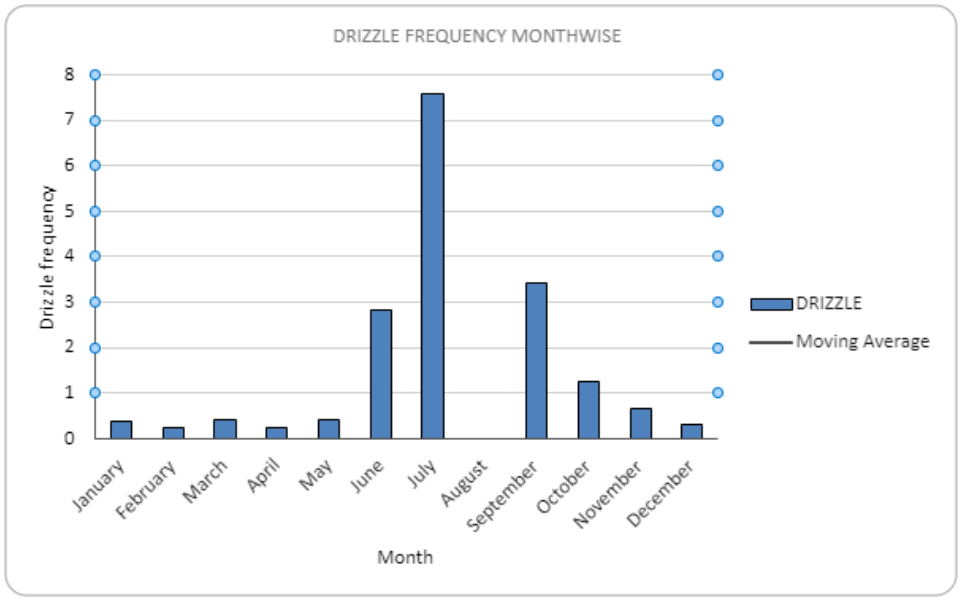
ABOVE GRAPH SHOWS THAT HIGHEST FREQUENCY OF HAILSTORM IS IN JANUARY MONTH.
AND LOWEST FREQUENCY IS IN JULY,AUGUST,SEPTEMBER MONTH.



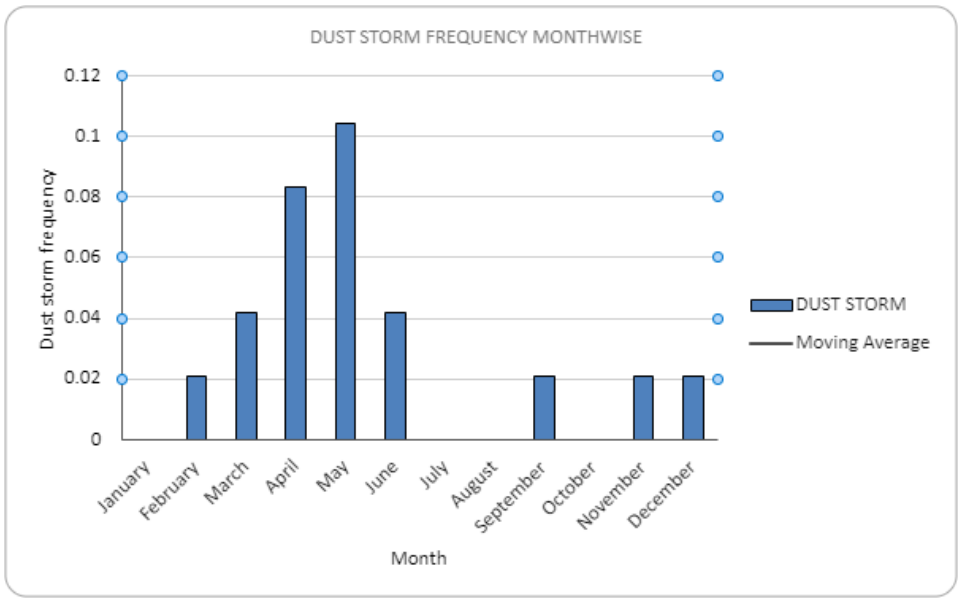
ABOVE GRAPH SHOWS THAT HIGHEST FREQUENCY OF THUNDERSTORM IS IN JUNE MONTH.
AND LOWEST FREQUENCY IS IN DECEMBER MONTH.



ABOVE GRAPH SHOWS THAT HIGHEST FREQUENCY OF FOG IS IN JANUARY AND DECEMBER MONTHS



ABOVE GRAPH SHOWS THAT HIGHEST FREQUENCY OF DRIZZLE IS IN JULY MONTHS



ABOVE GRAPH SHOWS THAT HIGHEST FREQUENCY OF DUST STORMS IN APRIL AND MAY MONTHS

GRAPHS OF MAXIMUM AND MINIMUM TEMPERATURE