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### RESEARCH ARTICLE

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#### A STUDY ON TRENDS IN PATENTS IN INDIA

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#### Manuscript Info

#### Abstract

This chapter presents the 46th report under section 155 of the Patents Act 1970 (as amended) on the various activities performed by the Patent Office during the year 2017-18. The Patent Office is geographically divided and located at Kolkata, New Delhi, Mumbai and Chennai having specific jurisdictions in the country for patent Administration. However, all the four patent offices work as virtual single office, in that, a patent is granted nationwide which is enforceable in the entire country. trends in patents filed, with regard to increase or decrease over the previous year ,the study period from the first year (base year) till the last year it has increased by 379.4% which in other words 3.79 times growth.

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#### Introduction:-

This chapter presents the 46th report under section 155 of the Patents Act 1970 (as amended) on the various activities performed by the Patent Office during the year 2017-18. The Patent Office is geographically divided and located at Kolkata, New Delhi, Mumbai and Chennai having specific jurisdictions in the country for patent Administration. However, all the four patent offices work as virtual single office, in that, a patent is granted nationwide which is enforceable in the entire country. The Patent Office implements the provisions of the Patents Act 1970 (as amended) Concerning protection of inventions in the country under the superintendence and

Administrative control of the Controller General of Patents, Designs and Trademarks (CGPDTM). Gist of major activities carried out under the Patents Act and Rules by the Patent office are given in the following paragraphs.

#### Patent Applications:

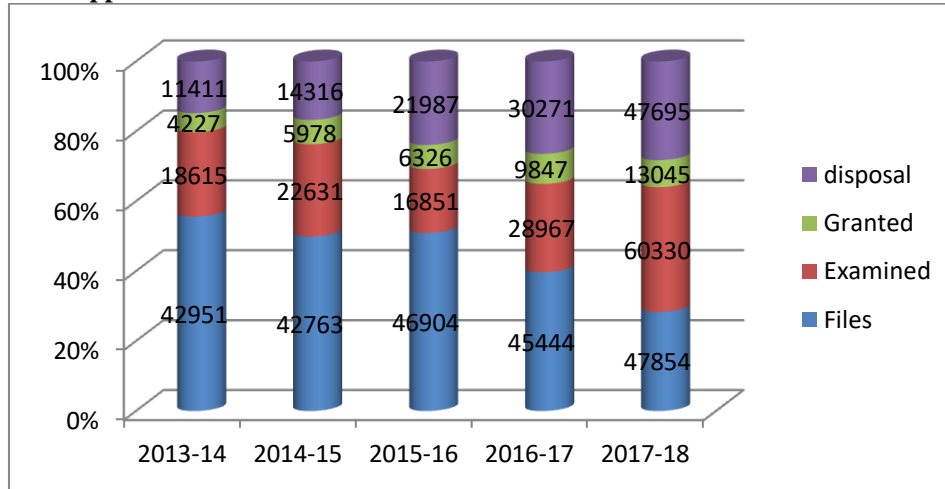
The number of applications for patents filed in 2017-18 was 47,854 showing an increase of 5.3 % in overall filing, which were 45,444 in 2016-17. During the year, filing of applications has shown from a modest to high growth in almost every field of technology, except in the fields of Computer /Electronics, General Engineering, Polymer Science & Technology and Metallurgy & Material Science, which witnessed a marginal decrease in filing as compared to last year.

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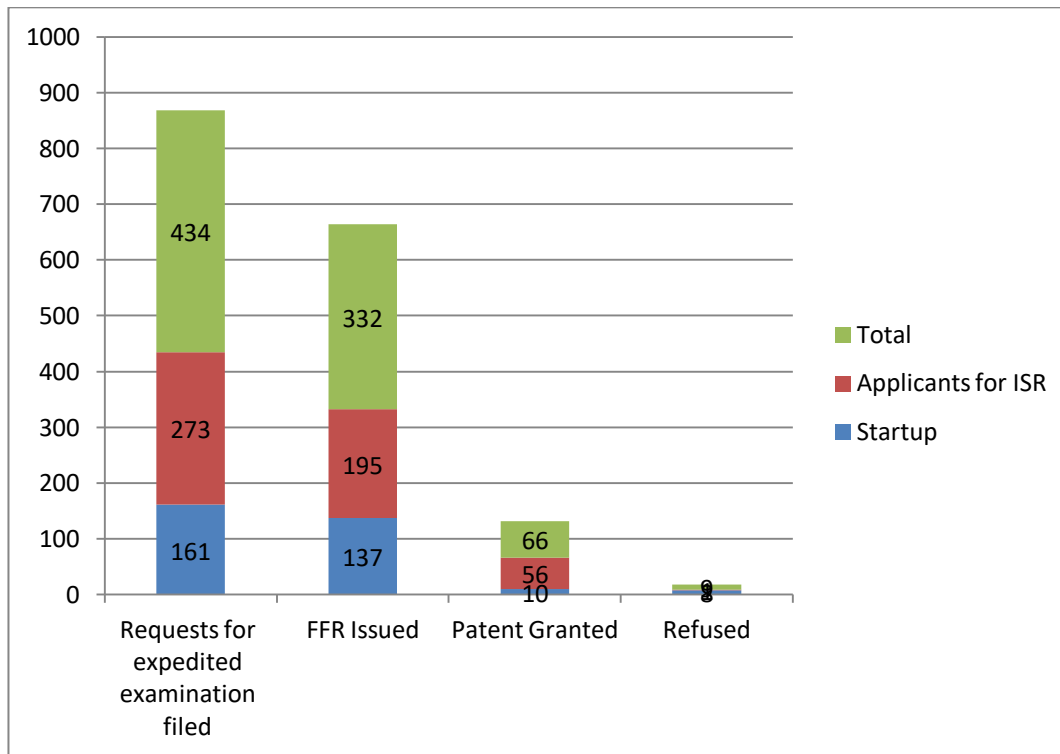
Applications filed by Indian Applicants Out of total 47,854 applications filed during the year, the number of applications filed by Indian applicants was 15,550, which shows about 18% increase over the previous year, wherein the corresponding number was 13,219. This year, applications filed by Indian applicants was about 32.5% of the total applications filed, as compared to 29.2% filed in the year 2016-17. This shows a constant increasing trend in the domestic filing.

**Trends In Patents Applications**



**Expedited Examination Status**

The details of requests for expedited examination received, examined and disposal are given below. It is observed that there is overall growth in filing of requests for expedited examination every year. This is due to the facts that the applications under this category are examined and processed for grant quickly and disposal is within an average of one year from the date of receipt of request for expedited examination.



### Indian Applicants For Patents In The Field Of Information Tehnology

In the Field of Information Technology, Wipro Limited occupied the top place by filing 125 applications, Tata consultancy services limited occupied second place with 90 applications, where as SRM University has filed 32 applications which stands in the least place in the reporting year.

### Indian applicants for patents from scientific and research and development organisations.

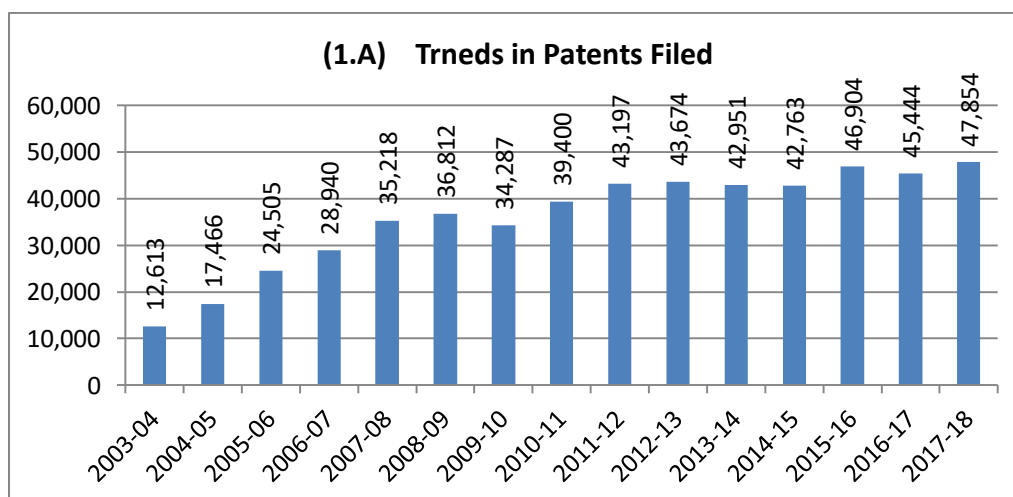
In this Category, Council of Scientific and Industrial Research occupied top position by filing 176 applications, DRDO and G.H.R LABS and Research Centre were on second and third places by filing 126 and 57 respectively, GSP CROP SCIENCE PVT LTD Holds last place by filing 9 application in the reporting year.

Applications filed by foreign applicants The number of applications filed by foreign applicants during the year (32,304) has shown a minor increase as compared to the number of applications (32,225) filed during 2016-17.

The Patent Cooperation Treaty (PCT) makes it possible to seek patent protection for an invention simultaneously in each of a large number of countries by filing an "international" patent application. Such an application may be filed by anyone who is a national or resident of a PCT Contracting State. It may generally be filed with the national patent office of the Contracting State of which the applicant is a national or resident or, at the applicant's option, with the International Bureau of WIPO in Geneva.

### Trends In Patents Filed

Year	(1) Patents		
	Filed	% of growth	Index Value
2003-04	12,613	---	100.00
2004-05	17,466	38.48	138.48
2005-06	24,505	40.30	194.28
2006-07	28,940	18.10	229.45
2007-08	35,218	21.69	279.22
2008-09	36,812	4.53	291.86
2009-10	34,287	-6.86	271.84
2010-11	39,400	14.91	312.38
2011-12	43,197	9.64	342.48
2012-13	43,674	1.10	346.26
2013-14	42,951	-1.66	340.53
2014-15	42,763	-0.44	339.04
2015-16	46,904	9.68	371.87
2016-17	45,444	-3.11	360.29
2017-18	47,854	5.30	379.40



**Analysis & Interpretation**

Growth% is calculated by taking increased value in the following year basing On the previous value in per cent. All growth rates are increased percentage rates over that of previous years Index value is considered as that year value as a percentage over the value of first year of the study period.

The above table 1 and diagrammatic illustration 1(A) show that trends in patents filed, with regard to increase or decrease over the previous year , they have been increasing and decreasing during the study period. 40.30 % increase in the year 2005-06 is highest and -6.86% in the year 2009-10 is the lowest. During the study period in the years 2009-10 (-6.86%); 2013-14 (-1.66%); 2014-15 (-0.44%);2016-17 (-3.11%) filed patents decreased over the respective previous years. In the second year of the study period , 2004-05 increase over the previous year is 38.48%. In the years 2008-09, 2011-12, 2012-13, 2015-16 and 2017-18 growth rates are ranging between 1.10% to 9.64% and in the years 2006-07 ;

2007-08; 2010-11 it is in between 14.91 and 21.69%. Index values though they appear to be decreasing a little in some years, when overall tendency is considered they are increasing at an increasing rate. During the study period from the first year (base year) till the last year it has increased by 379.4% which in other words 3.79 times growth.

**Conclusion:-**

Trends in patents filed, with regard to increase or decrease over the previous year ,the study period from the first year (base year) till the last year it has increased by 379.4% which in other words 3.79 times growth.

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