



Record Keeping & Databases (IPMS)

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IPG,NCL

The Need for preserving print copies:

- Patents are para-legal documents
- Signed copies are valuable in court proceedings / commercialization: eg. Inventorship forms, Power of attorneys, Patent office forms
- Black book- Lab records- evidence of first-to-invent – US (earlier law)

Record Keeping Practices @ NCL

- The “INV-NCL-NF” system
- Separate filing system for :
 - Invention disclosures
 - Filed cases
 - Clubbed as NF nos.- national phase filings corresponding to parent application



What is IPMS?

- ◎ NCL's IP Database 1942-till date
- ◎ Created by :



Need for a database:

- Easy management of 3000+ Patent records
- Consolidated info on 1 page
- Library of documents
- Reports
- Semi-automation of the process flows
- Tracking

Restricted view : Read only access

SEARCH	<ul style="list-style-type: none"> o Simple/Universal search  o Search by fields and create reports  o Advance/Boolean search 
PERFORMANCE	<ul style="list-style-type: none"> o Pre-defined reports  o Kelkar Committee report Kelkar Committee report by subject  o Cause Effect Analysis  o Lead inventors statistics  o Commercialization trends report  o Revenue trends report o Reasons for abandoning of INVs  o IPG annual review report  o Unique lead inventor statistics by age  o Types of claims wise analysis(for all claims)  o Types of claims wise analysis(for only claim1)  o Score of form B & C  o Quality of ISR analysis  o Show all INV pending with IPG for action  o Show all INV cases flagged for direct complete filing or postdating 
PORTFOLIO	<ul style="list-style-type: none"> o Portfolio Analysis  o 2 axis portfolio analysis
ACTION	<ul style="list-style-type: none"> o Next action list  o Show all cases sent to IPMD yet to be filed  o Shows all CAP cases  o Show all cases waiting for PCT filing  o Show all "ACTIVE" options & licenses  o Maintenance renewal recommendation report 
UPDATING	<ul style="list-style-type: none"> o Monthly Database updating for Provisional/Complete application filed case  o Annual Database updating for Granted + Inforced patent  o Cases to be updated for expiring  o Revenue database records 
EFFICIENCY	<ul style="list-style-type: none"> o Time to filing  o Administration statistics  o Conversion ratio at NCL  o Conversion ratio at IPMD  o Status & grant ratio  o Form B report  o Form C report 

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A. Performance Indicators

- As per Kelkar committee Report
- Lead Inventor's Statistics
- Commercialization Trends
- Revenue trends
- Reasons for Abandoning of Invention Disclosures

B. Portfolio Analysis

- By Subjects
- By Theme Portfolios
- Along Two Axes

C. Efficiency Indicators

- Time to Filing
- Administration Statistics
- Conversion ratio at NCL
- Conversion ratio at IPMD, Delhi
- Status & Grant Ratio
- Patentability assessment
- Attractiveness Assessment

Report generated at IPMS	: http://172.16.14.200/ipms02/
Search Date	:20 February 2013
Type of Report	:Pre-defined report: Performance trend(as per Kelkar committee indicators for 10 year)
Report description	:Based on the Kelkar committee review, the report gauges the performance trends of NCL in the last 10 years. Subject wise break down of the performance indicators is a newly added highlight.

Category of benefits	Benefit	Indicator	2013**	2012	2011	2010	2009	2008	2007
Public & social goods	Generation of and dissemination of generic knowledge	No of invention disclosures	18	116	85	54	38	48	29
		No of patents filed in India	9	86	56	35	20	13	10
		No of PCT applications filed	13	30	29	16	7	5	3
		No of US applications filed	0	21	15	6	4	7	6
		No of foreign patents filed *	0	85	48	27	10	62	42
	Pride and standing amongst nations; National image	No of foreign patents granted *	2	17	13	55	49	69	57
Private goods	Licensing and technology transfer	No of patents in new licensing/assignment/ option arrangements	0	2	7	3	8	14	32
		No of unique licensing/assignment/option cases	0	1	1	1	4	4	7
Strategic goods and options	Other tactical and strategic developments	No of Indian patents granted	0	20	12	42	85	99	26
		No of foreign patents granted *	2	17	13	55	49	69	57
Intellectual assets and reputation	Quality, reputation and standing of scientific manpower	No of Indian patents granted	0	20	12	42	85	99	26
		No of foreign patents granted *	2	17	13	55	49	69	57

B. Portfolio Analysis

• By Subjects

Query requested	Select all record with (country=IN and country=US and country=OTHER) (Document status=Provisional application filed and Document status=Complete specification filed and Document status=Granted Inforce and Document status=Administration by others)or (reccommended for abandoning= No:	
Subjects	Numbers	Percentage(%)
Polymer Science & Engineering(s1)	491	34
Hybrid and inorganic materials(s2)	101	7
Biological science and engineering(s3)	79	5
Organic Chemistry(s4)	297	21
Catalysis(s5)	352	24
Chemical Engineering and process development(s6)	116	8
Others(s7)	5	0
Uncategorized	0	0
Total	1441	100

CONCLUSIONS: NCL's patent portfolio is dominated by :

- **Polymer Science & engineering,**
- **Catalysis, Organic Chemistry & Chemical Engineering.**

B. Portfolio Analysis

• By Theme Portfolios

Select all record with (country=IN and country=US and country=OTHER) (Document status=Provisional application filed and Document status=Complete specification filed and Document status=Granted Inforce and Document status=Administration by others)or (reccommended for abandoning= No:

Portfolio	Numbers	Percentage (%)
(GT) Value addition of bioresources, renewable polymers(p1):	19	1
(GT) Enviromentally friendly/green/clean process(p16):	33	2
(GT) Fuel/alternate/clean energy(p5):	39	3
(MT) Controlled delivery of active agents(p2):	59	4
(MT) Nano-micro structured materials(p3):	112	8
(MT) Polymer additives compounds/blends/composites(p9):	28	2
(MT) Polymers for speciality applications(p10):	131	9
(MT) Polymerization/Polymer catalysis(p11):	227	16
(MT) Membranes/separations(p12):	39	3
(BT) Agrobiotechnology/pest control(p6):	32	2
(BT) Industrial biotechnology/enzymology(p7):	54	4
(BT) Medical biotechnology/bioprocess engineering(p8):	10	1
(CT) New organic/bio-organic molecules(p4):	14	1
(CT) Fine chemical/pharma intermediate drugs/bioactives(p13):	315	22
(CT) Modeling/software/algorithms(p14):	19	1
(CT) Petrochemicals/industrial chemicals(p15):	270	19
(CT) Others(p17):	40	3
(UT) Uncategorized:	0	0
Total	1441	100

B. Portfolio Analysis

- By Theme Portfolios

CONCLUSIONS:

- | The dominant themes where NCL holds active patents are
 - **Fine chemical/pharma intermediate drugs/bioactives**
 - **Petrochemicals/industrial chemicals**
 - **Polymerization/Polymer catalysis**
- | In recent years, NCL is strengthening portfolios in
 - **Nano-micro structured materials**
 - **Clean-tech**

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IP TRACKER

Find/View/Edit Records	<ul style="list-style-type: none">• Browse all• Browse all cases with no update message in the last 3 months• Search (universal)• Search (by fields)• Add inventor Information
Reports	<ul style="list-style-type: none">• IP Tracker Database Snapshot• Activity Report• Check again• Deadline for action report

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