

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories Indexed & Listed at:

Ulrich's Periodicals Directory ©, ProQuest, U.S.A., The American Economic Association's electronic bibliography, EconLit, U.S.A., EBSCO Publishing, U.S.A., Index Copernicus Publishers Panel, Poland, Open J-Gage, India (link of the same is duly available at Inflibnet of University Grants Commission (U.G.C.)) as well as in Cabell's Directories of Publishing Opportunities, U.S.A.

Circulated all over the world & Google has verified that scholars of more than Hundred & Twenty One countries/territories are visiting our journal on regular basis. Ground Floor, Building No. 1041-C-1, Devi Bhawan Bazar, JAGADHRI – 135 003, Yamunanagar, Haryana, INDIA

www.ijrcm.org.in

CONTENTS

Sr. No.	TITLE & NAME OF THE AUTHOR (S)	Page No.
1.	SITUATION ANALYSIS OF DOCTORS WORKING IN HEALTH DEPARTMENT OF ODISHA: A DESCRIPTIVE STUDY RAMA CHANDRA ROUT, BHUPUTRA PANDA & ABHIMANYU SINGH CHAUHAN	1
2 .	QUALITY OF EDUCATION AND TEACHERS IN ETHIOPIAN SECONDARY SCHOOLS (THE CASE OF EASTERN ZONE OF TIGRAI REGION, ETHIOPIA)	4
3.	DR. HAILAY GEBRETINSAE BEYENE & MRUTS DESTA YEEBIYO AN ANALYSIS OF THE IMPACT OF FISCAL DECENTRALIZATION (FD) ON BUDGET DEFICIT IN PAKISTAN	11
4.	ABDUR RAUF, DR. ABDUL QAYYUM KHAN & DR. KHAIR-UZ ZAMAN DETERMINANTS OF MILITARY EXPENDITURE IN DEVELOPING COUNTRIES AND THEIR EFFECTS ON THE ECONOMY	16
5.	A. K. M. SAIFUR RASHID, MD. ZAHIR UDDIN ARIF & M. NURUL HOQUE A CRITICAL EVALUATION OF THE GOVERNMENT EXTENSION SERVICES: THE CASE FOR LAND REFORM FARMS. IN THE	21
_	WEST COAST DISTRICT, WESTERN CAPE	
6.	LABOUR MIGRATION AND IMPACT OF REMITTANCES ON LIVELIHOOD PATTERN IN SOME AREAS OF TANGAIL	29
	DISTRICT IN BANGLADESH RAZIA SULTANA, DR. M. A. SATTAR MANDAL & MD. SAIDUR RAHMAN	
7 .	ARE OLDER LEARNERS SATISFIED WITH THEIR INVOLVEMENT IN LEARNING COURSES'?	33
8.	ECONOMIC GROWTH, INCOME INEQUALITY, AND POVERTY: EVIDENCE FROM BANGLADESH, 1981-82 TO 2009-10	37
9.	MD. MAIN UDDIN IMPACT OF ABSENCE OF ANTI-COUNTERFEITING LAWS AND PRESENCE OF LOW PRICE ON CONSUMERS' ATTITUDES	41
	TOWARD THE NON-DECEPTIVE COUNTERFEITS IN A DEVELOPING CONTEXT	
10.	MOBILITY AND MIGRATION OF FEMALE SEX WORKERS: NEED FOR STRATEGIC INTERVENTIONS	46
11.	GOVERDAN KUMMARIKUNTA & DR. CHANNAVEER R.M. BUSINESS DEVELOPMENT & GREEN MARKETING	50
	DR. R. KARUPPASAMY & C. ARUL VENKADESH	
12.	IMPACT OF SOCIO-ECONOMIC PROFILE ON SATISFACTION OF BANK OFFICIALS OVER TRAINING AND DEVELOPMENT PROGRAMMES IN BANKS	55
	JASPREET KAUR & DR. R. JAYARAMAN	
13.	ECONOMIC GLOBILIZATION CATASTROPHE AND ITS UPSHOT ON INDIAN ECONOMIC MARKETS K.LOGESHWARI	61
14.	FOREIGN EXCHANGE DERIVATIVES TRADING SCENARIO: A NEW PARADIGM IN THE ERA OF CURRENCY	65
15.	REGIONAL DIVERGENCE IN PER CAPITA INCOME IN DISTRICTS OF RAJASTHAN	71
16.	CONTRIBUTION OF INFORMATION TECHNOLOGY INDUSTRY IN PROMOTING INDIA AS BRAND INDIA DR. DEEPAKSHI GUPTA & DR. NEENA MALHOTRA	75
17.	AN EMPIRICAL STUDY ON SOCIO-ECONOMIC EMPOWEREMENT OF WOMEN THROUGH SELF HELP GROUPS ANURADHA.PS	84
18.	OPERATIONAL ADEQUACY OF WORKING CAPITAL MANAGEMENT OF SELECTED INDIAN AUTOMOBILE INDUSTRY - A	87
	DR. N. PASUPATHI	
19 .	DEFORESTATION AND ENVIRONMENTAL SUSTAINABILITY: A STUDY OF INTERDEPENDENCE DR. MD. TARIQUE	93
20.	PATTERN OF GROWTH AND INSTABILITY OF INDIA'S EXPORTS (1991-2006)	100
21.	CHANGE IN RETAIL SHOPPING BEHAVIOUR: WHY AND FOR WHOM?	
22.	PRAMOD PANDURANGRAO LONARKAR & PARMESHWAR GORE	112
	SUNIL SUBHASH PATIL	
23.	THE ECONOMETRIC ESTIMATION OF ELASTICITIES OF DEMAND FOR INDIA'S EXPORTS AND IMPORTS P. SUHAIL & V.R. REMA JYOTHIRMAYI	117
24.	SOCIAL IMPACT OF MICRO FINANCE ON RURAL POOR IN ANDHRA PRADESH DR. NANU LUNAVATH	122
25.	MAHATMA GANDHI NATIONAL RURAL EMPLOYMENT GUARANTEE ACT (MGNREGA): ISSUES AND CHALLENGES	136
	REQUEST FOR FEEDBACK	141

<u>CHIEF PATRON</u>

PROF. K. K. AGGARWAL

Chancellor, Lingaya's University, Delhi Founder Vice-Chancellor, Guru Gobind Singh Indraprastha University, Delhi Ex. Pro Vice-Chancellor, Guru Jambheshwar University, Hisar

<u>PATRON</u>

SH. RAM BHAJAN AGGARWAL Ex. State Minister for Home & Tourism, Government of Haryana Vice-President, Dadri Education Society, Charkhi Dadri President, Chinar Syntex Ltd. (Textile Mills), Bhiwani

CO-ORDINATOR

DR. BHAVET Faculty, M. M. Institute of Management, Maharishi Markandeshwar University, Mullana, Ambala, Haryana

<u>ADVISORS</u>

DR. PRIYA RANJAN TRIVEDI Chancellor, The Global Open University, Nagaland PROF. M. S. SENAM RAJU Director A. C. D., School of Management Studies, I.G.N.O.U., New Delhi PROF. M. N. SHARMA Chairman, M.B.A., Haryana College of Technology & Management, Kaithal PROF. S. L. MAHANDRU Principal (Retd.), Maharaja Agrasen College, Jagadhri

EDITOR

PROF. R. K. SHARMA Professor, Bharti Vidyapeeth University Institute of Management & Research, New Delhi

CO-EDITOR

DR. SAMBHAV GARG Faculty, M. M. Institute of Management, Maharishi Markandeshwar University, Mullana, Ambala, Haryana

EDITORIAL ADVISORY BOARD

DR. RAJESH MODI Faculty, Yanbu Industrial College, Kingdom of Saudi Arabia PROF. SIKANDER KUMAR Chairman, Department of Economics, Himachal Pradesh University, Shimla, Himachal Pradesh PROF. SANJIV MITTAL University School of Management Studies, Guru Gobind Singh I. P. University, Delhi PROF. RAJENDER GUPTA Convener, Board of Studies in Economics, University of Jammu, Jammu PROF. NAWAB ALI KHAN Department of Commerce, Aligarh Muslim University, Aligarh, U.P.

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, ECONOMICS & MANAGEMENT

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories

www.ijrcm.org.in

PROF. S. P. TIWARI Department of Economics & Rural Development, Dr. Ram Manohar Lohia Avadh University, Faizabad DR. ANIL CHANDHOK Professor, Faculty of Management, Maharishi Markandeshwar University, Mullana, Ambala, Haryana DR. ASHOK KUMAR CHAUHAN Reader, Department of Economics, Kurukshetra University, Kurukshetra DR. SAMBHAVNA Faculty, I.I.T.M., Delhi DR. MOHENDER KUMAR GUPTA Associate Professor, P. J. L. N. Government College, Faridabad DR. VIVEK CHAWLA Associate Professor, Kurukshetra University, Kurukshetra DR. SHIVAKUMAR DEENE Asst. Professor, Government F. G. College Chitguppa, Bidar, Karnataka

ASSOCIATE EDITORS

PROF. ABHAY BANSAL Head, Department of Information Technology, Amity School of Engineering & Technology, Amity University, Noida PARVEEN KHURANA Associate Professor, Mukand Lal National College, Yamuna Nagar SHASHI KHURANA Associate Professor, S. M. S. Khalsa Lubana Girls College, Barara, Ambala SUNIL KUMAR KARWASRA Principal, Aakash College of Education, Chander Kalan, Tohana, Fatehabad DR. VIKAS CHOUDHARY Asst. Professor, N.I.T. (University), Kurukshetra

TECHNICAL ADVISORS

MOHITA Faculty, Yamuna Institute of Engineering & Technology, Village Gadholi, P. O. Gadhola, Yamunanagar AMITA Faculty, Government M. S., Mohali

FINANCIAL ADVISORS

DICKIN GOYAL Advocate & Tax Adviser, Panchkula NEENA Investment Consultant, Chambaghat, Solan, Himachal Pradesh

LEGAL ADVISORS

JITENDER S. CHAHAL Advocate, Punjab & Haryana High Court, Chandigarh U.T. CHANDER BHUSHAN SHARMA Advocate & Consultant, District Courts, Yamunanagar at Jagadhri

<u>SUPERINTENDENT</u>

SURENDER KUMAR POONIA

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, ECONOMICS & MANAGEMENT A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories WWW.ijrcm.org.in

DATED:

CALL FOR MANUSCRIPTS

We invite unpublished novel, original, empirical and high quality research work pertaining to recent developments & practices in the area of Computer, Business, Finance, Marketing, Human Resource Management, General Management, Banking, Insurance, Corporate Governance and emerging paradigms in allied subjects like Accounting Education; Accounting Information Systems; Accounting Theory & Practice; Auditing; Behavioral Accounting; Behavioral Economics; Corporate Finance; Cost Accounting; Econometrics; Economic Development; Economic History; Financial Institutions & Markets; Financial Services; Fiscal Policy; Government & Non Profit Accounting; Industrial Organization; International Economics & Trade; International Finance; Macro Economics; Micro Economics; Monetary Policy; Portfolio & Security Analysis; Public Policy Economics; Real Estate; Regional Economics; Tax Accounting; Advertising & Promotion Management; Business Education; Business Information Systems (MIS); Business Law, Public Responsibility & Ethics; Communication; Direct Marketing; E-Commerce; Global Business; Health Care Administration; Labor Relations & Human Resource Management; Marketing Research; Marketing Theory & Applications; Non-Profit Organizations; Office Administration/Management; Operations Research/Statistics; Organizational Behavior & Theory; Organizational Development; Production/Operations; Public Administration; Purchasing/Materials Management; Retailing; Sales/Selling; Services; Small Business Entrepreneurship; Strategic Management Policy; Technology/Innovation; Tourism, Hospitality & Leisure; Transportation/Physical Distribution; Algorithms; Artificial Intelligence; Compilers & Translation; Computer Aided Design (CAD); Computer Aided Manufacturing; Computer Graphics; Computer Organization & Architecture; Database Structures & Systems; Digital Logic; Discrete Structures; Internet; Management Information Systems; Modeling & Simulation; Multimedia; Neural Systems/Neural Networks; Numerical Analysis/Scientific Computing; Object Oriented Programming; Operating Systems; Programming Languages; Robotics; Symbolic & Formal Logic and Web Design. The above mentioned tracks are only indicative, and not exhaustive.

Anybody can submit the soft copy of his/her manuscript **anytime** in M.S. Word format after preparing the same as per our submission guidelines duly available on our website under the heading guidelines for submission, at the email addresses: <u>infoijrcm@gmail.com</u> or <u>info@ijrcm.org.in</u>.

GUIDELINES FOR SUBMISSION OF MANUSCRIPT

1. COVERING LETTER FOR SUBMISSION:

THE EDITOR
IJRCM

Subject: SUBMISSION OF MANUSCRIPT IN THE AREA OF

(e.g. Finance/Marketing/HRM/General Management/Economics/Psychology/Law/Computer/IT/Engineering/Mathematics/other, please specify)

DEAR SIR/MADAM

Please find my submission of manuscript entitled '______' for possible publication in your journals.

I hereby affirm that the contents of this manuscript are original. Furthermore, it has neither been published elsewhere in any language fully or partly, nor is it under review for publication elsewhere.

I affirm that all the author (s) have seen and agreed to the submitted version of the manuscript and their inclusion of name (s) as co-author (s).

Also, if my/our manuscript is accepted, I/We agree to comply with the formalities as given on the website of the journal & you are free to publish our contribution in any of your journals.

NAME OF CORRESPONDING AUTHOR:

Designation: Affiliation with full address, contact numbers & Pin Code: Residential address with Pin Code: Mobile Number (s): Landline Number (s): E-mail Address: Alternate E-mail Address:

NOTES:

- a) The whole manuscript is required to be in **ONE MS WORD FILE** only (pdf. version is liable to be rejected without any consideration), which will start from the covering letter, inside the manuscript.
- b) The sender is required to mention the following in the SUBJECT COLUMN of the mail: New Manuscript for Review in the area of (Finance/Marketing/HRM/General Management/Economics/Psychology/Law/Computer/IT/ Engineering/Mathematics/other, please specify)
- c) There is no need to give any text in the body of mail, except the cases where the author wishes to give any specific message w.r.t. to the manuscript.
- d) The total size of the file containing the manuscript is required to be below 500 KB.
- e) Abstract alone will not be considered for review, and the author is required to submit the complete manuscript in the first instance.
- f) The journal gives acknowledgement w.r.t. the receipt of every email and in case of non-receipt of acknowledgment from the journal, w.r.t. the submission of manuscript, within two days of submission, the corresponding author is required to demand for the same by sending separate mail to the journal.
- 2. MANUSCRIPT TITLE: The title of the paper should be in a 12 point Calibri Font. It should be bold typed, centered and fully capitalised.
- 3. AUTHOR NAME (S) & AFFILIATIONS: The author (s) full name, designation, affiliation (s), address, mobile/landline numbers, and email/alternate email address should be in italic & 11-point Calibri Font. It must be centered underneath the title.
- 4. **ABSTRACT**: Abstract should be in fully italicized text, not exceeding 250 words. The abstract must be informative and explain the background, aims, methods, results & conclusion in a single para. Abbreviations must be mentioned in full.

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, ECONOMICS & MANAGEMENT

A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories

www.ijrcm.org.in

.

- 5. KEYWORDS: Abstract must be followed by a list of keywords, subject to the maximum of five. These should be arranged in alphabetic order separated by commas and full stops at the end.
- 6. MANUSCRIPT: Manuscript must be in BRITISH ENGLISH prepared on a standard A4 size PORTRAIT SETTING PAPER. It must be prepared on a single space and single column with 1" margin set for top, bottom, left and right. It should be typed in 8 point Calibri Font with page numbers at the bottom and centre of every page. It should be free from grammatical, spelling and punctuation errors and must be thoroughly edited.
- HEADINGS: All the headings should be in a 10 point Calibri Font. These must be bold-faced, aligned left and fully capitalised. Leave a blank line before each 7. heading.
- 8. SUB-HEADINGS: All the sub-headings should be in a 8 point Calibri Font. These must be bold-faced, aligned left and fully capitalised.
- MAIN TEXT: The main text should follow the following sequence: 9.

	INTRODUCTION
	REVIEW OF LITERATURE
	NEED/IMPORTANCE OF THE STUDY
	STATEMENT OF THE PROBLEM
	OBJECTIVES
	HYPOTHESES
	RESEARCH METHODOLOGY
	ACKNOWLEDGMENTS
	REFERENCES
	APPENDIX/ANNEXURE
	It should be in a 8 point Calibri Font, single spaced and justified. The manuscript should preferably not exceed 5000 WORDS .
10.	FIGURES & TABLES: These should be simple, centered, separately numbered & self explained, and titles must be above the table/figure. Sources of data should be mentioned below the table/figure. It should be ensured that the tables/figures are referred to from the main text.
11.	EQUATIONS: These should be consecutively numbered in parentheses, horizontally centered with equation number placed at the right.
12.	REFERENCES : The list of all references should be alphabetically arranged. The author (s) should mention only the actually utilised references in the preparation of manuscript and they are supposed to follow Harvard Style of Referencing . The author (s) are supposed to follow the references as per the following:
•	All works cited in the text (including sources for tables and figures) should be listed alphabetically.
•	Use (ed.) for one editor, and (ed.s) for multiple editors.
•	When listing two or more works by one author, use (20xx), such as after Kohl (1997), use (2001), etc, in chronologically ascending order.
•	Indicate (opening and closing) page numbers for articles in journals and for chapters in books. The title of books and journals should be in italics. Double quotation marks are used for titles of journal articles, book chapters, dissertations, reports, working
	papers, unpublished material, etc.
•	For titles in a language other than English, provide an English translation in parentheses.
•	The location of endnotes within the text should be indicated by superscript numbers.
BOOKS	PLEASE USE THE FOLLOWING FOR STYLE AND PUNCTUATION IN REFERENCES:
•	Bowersox, Donald J., Closs, David J., (1996), "Logistical Management." Tata McGraw, Hill, New Delhi.
• CONTRIBU	Hunker, H.L. and A.J. Wright (1963), "Factors of Industrial Location in Ohio" Ohio State University, Nigeria.
•	Sharma T., Kwatra, G. (2008) Effectiveness of Social Advertising: A Study of Selected Campaigns, Corporate Social Responsibility, Edited by David Crowther & Nicholas Capaldi, Ashgate Research Companion to Corporate Social Responsibility, Chapter 15, pp 287-303.
JOURNAL A	AND OTHER ARTICLES
• CONFEREN	Schemenner, R.W., Huber, J.C. and Cook, R.L. (1987), "Geographic Differences and the Location of New Manufacturing Facilities," Journal of Urban Economics, Vol. 21, No. 1, pp. 83-104. ICE PAPERS
•	Garg, Sambhav (2011): "Business Ethics" Paper presented at the Annual International Conference for the All India Management Association, New Delhi, India, 19–22 June.
	HED DISSERTATIONS AND THESES Kumar S. (2011): "Customer Value: A Comparative Study of Rural and Urban Customers." Thesis, Kurukshetra University, Kurukshetra
ONLINE RE	SOURCES
● WEBSITE	Always indicate the date that the source was accessed, as online resources are frequently updated or removed.

Garg, Bhavet (2011): Towards a New Natural Gas Policy, Political Weekly, Viewed on January 01, 2012 http://epw.in/user/viewabstract.jsp

REGIONAL DIVERGENCE IN PER CAPITA INCOME IN DISTRICTS OF RAJASTHAN

DR. REKHA MEHTA ASSOCIATE PROFESSOR DEPARTMENT OF ECONOMICS JAI NARAIN VYAS UNIVERSITY JODHPUR

ABSTRACT

This paper deals with the level of disparity at district level in Rajasthan Co- variances is calculated from Per Capita Income of different districts. This study calculates the level of growth from the growth rate and whether the poor districts are able to grow faster than the rich districts or the gap of disparity had increased or not in the last few years? It also analyse the position of convergence and divergence in different districts of Rajasthan. The analysis has been done for the period of 1991-2007. The study covers each and every district of Rajasthan. So it covers a total number of 32 districts. The districts like Hanumangarh, Ganganagar, karauli, kota, Baran and Chhitorgarh experience the highest growth rate among other districts within the state. The results reveal that the beta coefficients are positive. Thus there is divergence instead of convergence in the trend in PCNDDP. Though the planners in the state try to implement policies and programme to achieve a balanced growth of economy as a whole, there is still a scope to put efforts in this regard. The private sector can also play an important role to achieve the balanced growth in the state so that the share of the income generated in the state gets distributed across the district equitably.

KEYWORDS

Regional Diveregence, Growth Rates, Co-Variances, Per Capita Income, Districts of Rajasthan.

INTRODUCTION

Indian economy is one of the developing economies among the Asian nation. It experiences average annual GDP growth rate of 5.6% in last two decades. In Just few years its Average annual growth rate remains 7.6%. In the world map the nation is counted as 15th largest importer and 18th largest exporter. It had world second largest labour force. The services sector contributes the maximum of 54% in GDP where as agriculture gave 28% and Industrial sector had 18% sharing in GDP. Our telecommunication industry is the world fastest growing industry whereas Automobiles rank second largest. It ranks 51st in global Competitiveness and 16th in financial market in the world. But above this all the nation is facing so many social-economic problems like Unemployment, poverty, Illiteracy, Corruption and the most important regional disparity or regional inequality.

Regional inequality is a major socio economic problem through-out the world. Around the world research are going on to reduce the disparity. So many plans and programs were implemented to reduce the gap of disparity. In India lots of efforts are going on too to reduce the level of disparity. Why this problem is that much serious? The reason is because of this disparity there will be inequality of income distribution. Result the real benefits of the nation development will not reach up to the individual. Any effort is successful only when it took place in right direction. Means the flow is from the micro to macro level instead of macro to micro level. So instead of decreasing the disparity at state level we should tackle it at more micro level like district level.

This paper deals with the level of disparity at district level in Rajasthan. The main focus is over to the gap of per capita income within different district of Rajasthan. This study will calculate the level of growth and whether the poor districts are able to grow faster than the rich districts or are the gap of disparity had increased or not in the last few years? Or we say in the language of economics it is an attempt to find out the position of convergence in economic growth in different districts of Rajasthan. How the wind of Industrialization, globalization and privatization affect the level of disparity in different district of Rajasthan. So the calculation took place in the time period of 1991-2007 which comes under post reform period. Government of Rajasthan is doing huge effort to achieve the target of balanced growth but seems lack of desired results.

The review of literature reveals that the most of the studies have been undertaken at state level. The present study entitled, "Regional Divergence in PCI in different districts of Rajasthan." In this paper wherever growth rate is mentioned, it relates to per capita net district domestic product unless mentioned specifically related to any other variable.

This paper is divided into seven sections. First section is the introductory one. Second section deals with objectives of the study. Third section consists of review of literature. The sources of data and the methodology are explained in fourth section. Theoretical aspect of the study is explained in the fifth section. Sixth section comprises of empirical analysis of the study. Findings, the final section of the paper presents conclusions and policy implications of the study.

OBJECTIVE OF THE PAPER

This paper is an attempt to achieve the following objectives:

- To analyse the position of convergence and divergence in different districts of Rajasthan.
- To calculate the growth level of different districts after the reform period.
- Co- variances should be calculated from PCI of different districts.
- > To reach at a justifiable conclusion for the present paper.

REVIEW OF LITERATURE

A number of studies have been undertaken so far in this area of research. Few of them were mentioned below with their results. This will add to make the present study a more meaningful and fruitful. Some of these studies are by Dholakia (1994) considered 20 states for analysis of the economic performance for the time period 1960-61 to 1989-90. He found that there is an existence of convergence of long-term economic growth rates for the states. He found the year 1980-81 as the breaking year in the real income trend where onwards the lagging states started picking up faster. Marjit and Mitra (1996) explain that there is divergence in per capita income across Indian states over the period 1960-94. The scatter between base period PCNSDP and the annual average growth rates were same in the states. They did not show any negative relationship and an upward trend was observed among the states. K. K. Subrahmanian and Syam Prasad (1997) His paper deals with relationship between inequality, growth and poverty. He used Gini-coefficient as the best statistical instrument to measure the inequality in various states. He concluded that 1% rise in the Gini- coefficient shows that kerala faces a 5.02 % rise in its growth rate while 2% raise in Gini – cofficient results an only rise of 5% growth rate per annum in kerala. To him only high rate of growth is not sufficient to reduce the poverty. It could only be reduce by transferring the income from rich to poor.

Ghosh (1998) also found evidence of divergence in Per Capita Income (PCI) across Indian states. Dasgupta (2000) found a phenomenon of divergence in PCI across 21 Indian states during 1960- 96. He observed that the share of different sectors in State Domestic Product showed a tendency to converge towards the national average, indicating convergence of structural parameters. However, regression equations across states did not confirm any strong conclusion regarding absolute convergence. Ahluwalia (2000) found that not all the rich states got richer relative to the poor ones and not all the poor states got poorer. Means his study supported the law of convergence. The poor states are able to catch-up with the rich states with the help of adopting high-technology. Prabir De and Buddhadeb Ghosh(2005) His paper explains that the findings are statistically very significant to warrant major changes in future regional policies in order to

remove rising regional disparities in both infrastructure and income in different SAARC nation. This also has a strong bearing on the success of poverty removal policies as the poor are regionally concentrated in such a diverse and heterogeneous region of the world.

T.khomiakova(2008) used two research methods –exploratory spatial data and structure divergence analysis. The study supports that GSDP per capita continue to diverge in the post- reform period in 30 states in India. The local indicator that is spatial auto correlation suggests that there is low cluster of GSDP per capita in 30 states of India. Whereas the structural divergence analysis the sectorwise divergence. The services and Industry sector persists positive spatial auto-correlation between Agriculture sector and Income. Finally concluded that the divergence in Indian states in mainly caused by structural divergence. Diwaker (2009) explains the dimensions of intra-regional disparities, inequality and deprivation in poor households of the state. The disparity among the districts in terms of per capita income is majorly seen in central region of the states. The incidence of poverty is highest in eastern region. The real challenge is to address the intra-regional horizontal and vertical disparities at the district level which are hardly explicit in macro level data for the state as a whole.

SOURCES OF DATA AND METHODOLOGY

The data for the present study have been taken from the official website of Rajasthan government statistic department, i.e., www.directorate of economics and statistics. The data on Per Capita Net District Domestic Product on the website are available at the old series. The data of new series is not yet been released. The analysis has been done for the period of 1991-2007. The study covers each and every district of Rajasthan. So it covers a total number of 32 districts. Some districts formation took place within the research period. So their data's are not available completely like Hanumangarh and karauli their data's are available after 1993 and 1996 respectively. Graphs and tables have been used to make study more meaningful and fruitful.Average growth rate have been calculated of these 32 districts from PCNDDP in the time period of 1991-2007. Coefficient of variance (co-variance) has been calculated of each and every district of every year.

THEORETICAL ASPECT OF THE STUDY

There are several static and dynamic instrument to measure to calculate the level of regional inequality like Maximum to Minimum ratio, Coefficient of variation (C.V.), Relative mean deviation, Gini index and theil index. σ (sigma) convergence and β (beta) convergence. Here in our study we use Coefficient of variation for measuring the regional inequality. It is a measure of dispersion around the mean. The measure of standard deviation (S.D) gives an absolute measure of dispersion whereas the C.V. measures the relative dispersion. The C.V. is helpful in comparing the two series of data. The least value of C.V. shows less variability and more consistent while more value shows more variability and less consistent. The formula of C.V. is calculation is mentioned below-

 $\frac{\sigma}{m} \times 100$

Coefficient of Variation (C.V.) = \overline{X}

Convergence in economics (also sometimes known as the catch-up effect) is the hypothesis that poorer economies' per capita incomes will tend to grow at faster rates than richer economies. As a result, all economies should eventually converge in terms of per capita income. Developing countries have the potential to grow at a faster rate than developed countries because diminishing returns (in particular, to capital) aren't as strong as in capital rich countries. Furthermore, poorer countries can replicate production methods, technologies and institutions currently used in developed countries

This term was derived in 1956 from a neo classical economic growth model by Solow and Swan. According to this model the growth in output per worker has positive relationship with rate of saving and negative relationship with growth rate of labour force because of technological progress and depreciation of capital. The model concluded that the nation with low per capital stock and low per capita income will grow with a faster rate. This is the convergence of per capita income and growth rate due to diminishing marginal productivity assumption.

EMPIRICAL ANALYSIS OF THE STUDY

The first table shows us the growth rates of PCNDDP of different districts of Rajasthan from 1991-2007. The districts like Hanumangarh, Ganganagar, karauli, kota, Baran and Chhitorgarh experience the highest growth rate among other districts within the state.



SOURCE - COMPUTED (On the basis of data available from the Directorate of Economics and Statistics)

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, ECONOMICS & MANAGEMENT A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories www.ijrcm.org.in



The graph plotted above clears that Hanumangarh is the district which shows highest growth rate while its formation took place in the year of 1993. The up and down of graph shows the variation of equality in the districts. Some districts are facing good growth rate while others are facing the lowest of growth rate of even 2.98. Planning programs are needed to cover this grate range of inequality. Then finally the graph will have a vertical slope for the growth rate of districts of Rajasthan.

TABLE-2 CO-VARIENCE OF PCNDDP (1991-2007)

years	CV=SDx100/mean			
1991-92	26.74			
1992-93	22.84			
1993-94	22.07			
1994 <mark>-95</mark>	23.73			
1995 <mark>-96</mark>	25.31			
1996 <mark>-97</mark>	25.23			
1997 <mark>-9</mark> 8	22.31			
1998-99	20.55			
1999-2000	24.33			
2000-01	21.85			
2001-02	19.96			
2002-03	20.31			
2003-04	18.61			
2004-05	21.09			
2005-06	22.13			
2006-07	22.56			

SOURCE - COMPUTED (On the basis of data available from the Directorate of Economics and Statistics)



SOURCE: - TABLE-2

Coefficient of variation was 26.7per cent in 1990-1991 and it decrease to 19.96 per cent in 2001-2002 which again increase to 22.56 in 2006-2007.

INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, ECONOMICS & MANAGEMENT A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories www.ijrcm.org.in

Statistical equations in the analysis are obtained as mentioned below-

α CONVER	GENCE EQUATIONS:				
1.	C.V of PCNDDP	= 24.824 + 0	.276 t [*]		$R^2 = .364$
	(1990-91 to 2006-07)	(26.304)	(2.829)		
Note: Figu	res in brackets are t va	lues			
The results	s reveal that the beta o	oefficients a	re positive	e. Thus there is diverge	ence instead of
σ CONVER	GENCE EQUATIONS:				
2.	. Log of S.D. of PCNDDP = $7.117 + .0779 t^*$ R ² =			$R^2 = .862$	
	(1990-91 to 2006-07)		(88.16.)	(9.339)	
Note: Figu	res in brackets are t va	lues			

The results reveal significant divergence in levels of PCNDDP across the selected districts. R² is high and t - statistic for the positive slope coefficient are statistically significant.

convergence in the trend in PCNDDP.

 β CONVERGENCE EQUATIONS:

3.	GR PCNDDP

 $R^2 = .938$ $= 41.433 + 5.607^{*}$ (1990-91 to 2006- 07) (-18.497) (21.049) Note: Figures in brackets are t values

The results reveal that Beta coefficient for the period 1990-81 to 2006-07 are found to be positive and hence statistically significant.

FINDINGS, CONCLUSIONS AND POLICY IMPLICATIONS OF THE STUDY

The districts like Hanumangarh, Ganganagar, karauli, kota, Baran and Chhitorgarh experience the highest growth rate among other districts within the state. Coefficient of variation was 26.7 per cent in 1990-1991 and it decrease to 19.96 per cent in 2001-2002 which again increase to 22.56 in 2006-2007. There is a tendency of showing an increase in the dispersion of per capita net district domestic product across the district. Alpha convergence equations also have positive coefficient.Sigma convergence tests reveal significant divergence in levels of PCNDDP across the selected district. Rate of divergence has increased since the time of initiation of economic reforms in the country. R^2 is found to be quite high and t – statistic for the positive slope coefficient are statistically significant. Beta coefficient for the economic reforms period is positive and statistically significant. The results of this study which have been obtained reveal that there is significant divergence in levels of PCNDDP across the selected districts. Though the planners in the state try to implement policies and programme to achieve a balanced growth of economy as a whole, there is still a scope to put efforts in this regard. The private sector can also play an important role to achieve the balanced growth in the state so that the share of the income generated in the state gets distributed across the district equitably.

REFERENCES

Ahluwalia, M.S. (2000), "Economic Performance of States in Post-Reforms Period", Economic and Political Weekly, Vol. 35, No. 19, pp. 1637-1648.

Amaresh Dubey, "Intra-state Disparities in Gujrat, Haryana, Kerala, Orissa and Ppunjab." Economic & political weekly. Vol. XLIV No's 26 & 27 pp-224-230.

Barro, R. (1991), "Economic Growth in a Cross-Section of Countries", Quarterly Journal of Economics, Vol. 106, pp. 407-43.

Barro, R.J. and Sala-I-Martin, Xavier (1992), "Convergence", Journal of Political Economy, Vol. 100, No. 2, pp. 223-51.

Bernard, A. and Durlauf S. (1996), "Interpreting Tests of the Convergence Hypothesis", Journal of Econometrics, Vol. 71, pp.161-74.

Bhattacharya, B.B. and S. Sakthivel. 2004. "Regional Growth and Disparity in India: Comparison of Pre and Post-Reform Decades." Economic and Political, Weekly Research Foundation, Mumbai, India. 6 March, 2004.

Cashin, P. and Sahay, R. (1996 a), "Internal Migration, Centre State Grants and Economic Growth in the States of India", IMF Working paper, WP/95/66.

Das, S.K and Barua A. (1996), "Regional Inequalities, Economic Growth and Liberalisation: A Study of the Indian Economy, Journal of development Studies, Vol. 32, No. 3, pp. 364-90.

Dasgupta, D.; Maiti, R.; Sarkar, S. and Chakraborti, S. (2000), "Growth and Inter State Disparities in India", Economic and Political Weekly, Vol. 35, No. 27, pp. 2413-22.

Deininger K and Squire L (1996), "Measuring Income Inequality: A New Data Base", World Bank Economic Review, 10 (3) 565-59.

Deininger K and Squire L (1998) "New Ways of Looking at Old Issues: Inequality and Growth", Journal of Development Economics, 57(2) 259-287.

Dev S Mahendra and C Ravi (2007) "Poverty and Inequality: All India and States, 1983-2005", Economic and Political Weekly, February 10 pp 509-521.

Diwaker, D.M. (2009) "Intra-Regional Disparities, Inequality and Poverty in Uttar Pradesh" Economic & Political Weekly, june 27, 2009 vol xliv nos 26 & 27 pp-264 Gosh, B.; Marjit, S. and Neogi, C. (1998), "Economic Growth and Regional Divergence in India: 1960 to 1995", Economic and Political Weekly, Vol. 33, No. 26, pp. 1623-30.

Jha Raghbendra (2004) "Reducing Poverty and Inequality in India", in G.A.Cornia (ed) Inequality Growth and Poverty in an Era of Liberalisation and Globalisation Oxford University Press. New York. 297-327.

Kalirajan, K. and Takihiro, A. (2002), "Institutions and Inter Regional Inequalities in India: Finding a link using Hayami Thesis and Convergence Hypothesis", Indian Journal of Economics, Vol. 49, No. 4, April-June, pp. 47-57.

Khomiakova, T. (2008) "Spatial analysis of regional divergence in India: Income and economic structure perspectives." The International Journal of Economic Policy Studies Volume 3 2008 Article 7

Kumar, Ashutosh (2003), "Economic Development and Income distribution", Deep and Deep Publications, New Delhi.

Kurian. (2000) "Widening Regional Disparities in India." Economic and Political Weekly Research Foundation, Mumbai, India. Economic and Political Weekly. February 12 - 18.

Marjit, S. and Mitra, S. (1996), "Convergence in Regional Growth Rates: Indian Research Agenda", Economic and Political Weekly, Vol. 31, No. 33, pp. 2239-42. Mathur, Somesh K. (2005), "Economic Growth and Conditional Convergence: Its Speed for Selected Regions for 1961 – 2001", Indian Economic Review, Vol. 40,

No. 2. pp. 185-208.

Nagraj, R.; Varadouski, A. and Veganzones, M.A. (2000), "Long Run Growth Trends and Convergence Across Indian States" Journal of International Development, Vol. 12, pp. 45-70.

Rao, Govinda M.; Shand, R.T. and Kaliranjan, K.P. (1999), "Convergence of Incomes across Indian States-A Divergent View", Economic and Political Weekly, Vol. 34. No. 13. pp. 769-78.

Shand, R. and Bhide, S. (2000), "Sources of Economic Growth: Regional Dimension of Reforms" Economic and Political Weekly, October 14, pp. 3747-57.

Shetty, S.L. (2003), "Growth of SDP and Structural Changes in State Economies Inter Comparisons", Economic and Political Weekly, December 6, pp. 5189-99.

Solow, R. (1956), "A Contribution to the Theory of Economic Growth", Quarterly Journal of Economics, Vol. 70, No.1, pp. 65-94 Swan, T.W. (1956), "Economic Growth and Capital Accumulation, Economic Record, Vol. 32, No. 63, pp. 334-61.

REQUEST FOR FEEDBACK

Dear Readers

At the very outset, International Journal of Research in Commerce, Economics & Management (IJRCM) acknowledges & appreciates your efforts in showing interest in our present issue under your kind perusal.

I would like to request you to supply your critical comments and suggestions about the material published in this issue as well as on the journal as a whole, on our E-mails i.e. **infoijrcm@gmail.com** or **info@ijrcm.org.in** for further improvements in the interest of research.

If you have any queries please feel free to contact us on our E-mail infoijrcm@gmail.com.

I am sure that your feedback and deliberations would make future issues better – a result of our joint effort.

Looking forward an appropriate consideration.

With sincere regards

Thanking you profoundly

Academically yours

Sd/-

Co-ordinator

ABOUT THE JOURNAL

In this age of Commerce, Economics, Computer, I.T. & Management and cut throat competition, a group of intellectuals felt the need to have some platform, where young and budding managers and academicians could express their views and discuss the problems among their peers. This journal was conceived with this noble intention in view. This journal has been introduced to give an opportunity for expressing refined and innovative ideas in this field. It is our humble endeavour to provide a springboard to the upcoming specialists and give a chance to know about the latest in the sphere of research and knowledge. We have taken a small step and we hope that with the active cooperation of like-minded scholars, we shall be able to serve the society with our humble efforts.

Our Other Fournals

NATIONAL JOURNAL OF RESEARC Commerce & Management





INTERNATIONAL JOURNAL OF RESEARCH IN COMMERCE, ECONOMICS & MANAGEMENT A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories WWW.ijrcm.org.in