

Materials for the Annual report of Department of IPP for the year 2013-14

The present Tariff Commission in India is the result of the refinement and amalgamation of the functions of its predecessor organizations namely, Tariff Board, Tariff Commission (old), Bureau of Industrial Costs & Prices (BICP). The Commission is presently being headed by Member Secretary in the rank of Additional Secretary.

2. The Tariff Commission has been engaged in discharging the following functions drawn from the TOR/ charter revised in September 1998 and April, 1999 .

- (a) To make recommendations as an expert body, on matters referred to it by Government regarding fixation of tariff and all tariff related issues in relation to trade in goods and services, keeping in view the interest of various sectors including production, trade and consumers and taking into account the international commitments. The Commission should aim at evolving an overall tariff structure and look into the issue of tariff rationalisation.
- (b) To make a detailed impact analysis on select sectors like textiles, agriculture, and automobiles information technology, chemicals, steel and engineering goods through a multi-disciplinary team.
- (c) To carry out technical studies on cost of production of different goods and services and their competitiveness in relation to other countries.
- (d) Core function of BICP including pricing, efficiency, improvement and cost reduction, issue of Public & Private sector, Industrial Product & Services
 - i) Commodities under Administrative Mechanism(APM)
 - ii) State monopolies/public utilities
 - iii) Government procurement
 - iv) Price monitoring
 - v) Others
- (e) To undertake other tasks as may be assigned by the Government from time to time.

3. Tariff Commission is the only organization in the Public domain having multi-disciplinary teams as below for conducting in-depth study using data based on ground realities collected from field :-

- Engineers from the field of Science and Technology belonging to Tariff Commission cadre
- Cost Accountants/Chartered accountants from Indian Costs & Account Service (IC&AS)

- Economists from Indian Economic Service (IES); and
- Statisticians from Indian Statistical Service (ISS).

4. Tariff Commission is the only Government organization which has the know-how and expertise of using the tool of normation for informed decision making across the board for different sectors of the industry. Normation is based on assessment of achievable efficiencies i.e optimal capacity utilization, productivity parameters of respective inputs (such as man, material, energy and machine) taking into account technologies and manufacturing processes etc. Normation analysis thus can be used to benchmark sectors /units for enhancing their competitiveness.

Merits of decision making through Normation include:

- Considered fair by an individual and/or a group.
- Determining the cost of goods/services at optimal/efficient level of inputs (manpower, material, energy and capital) and provides thrust for improvement in efficiency and enhances competitiveness of the industry.
- It helps in identifying areas for physical improvements leading to enhancing competitiveness
- Normation is a fundamental management tool that supports quality / excellence and innovation. It is in fact a continuous process of measuring one's own performance and practices against the best competitors. It is thus a benchmarking tool in competitiveness studies.
- Normation balances the interest of all stakeholders while protecting consumer interest.
- It is a tool which also focuses on providing road map for improving industrial efficiency.
- Over the period this tool has passed the test of time and has become essential in the emerging complex global market scenario and cutting edge competition.

5. Tariff Commission always endeavours to deliver study reports in a definite time frame in a phased manner so that the findings are real time and relevant for arriving at policy decisions and not rendered redundant with the passage of time. This is ensured by phasing the studies and making them State specific and/or sector /unit/product specific. Study topics which are of continuing nature and require submission of study reports on a continuous basis are listed below.

- a) Studies on inverted duty structure
- b) Impact assessment of Free Trade Agreements on different sectors with different countries.
- c) Studying competitiveness (including export competitiveness of different sectors/industry, firm/PSU and product.

- d) Impact of prevailing tariff structures on domestic manufacturers and industry competitiveness
- e) Study on normative pricing of Fertilizers.
- f) Study on computation of fair price of B-Twill Jute bags

6. During the period 2012-13 (1st April, 2012 to 31st March, 2013) the Commission completed forty studies and submitted its recommendations to the referral agencies. The detailed list of the forty studies done in 2012-13 is as under:

Sl. No.	Name of the Report
1	Report on Review of Performance of Cement Industry
2	Report on Inverted Duty Structure based on Tariff Commission Report on Impact of FTAs on Petrochemicals & Plastic Industry, (May, 2011)
3	Report on Inverted Duty Structure Polystyrene
4	Report on Inverted Duty Structure on Pressure Vessels, Reactors, Columns/Towers/Chemical Storage Tanks
5	Report on Inverted Duty Structure (IDS) on PV Solar Cell / Module
6	Report on Inverted Duty Structure (IDS) in Networking Products (Switches)
7	Report on Inverted Duty Structure (IDS) in Machine Tools Industry
8	Report on Inverted Duty Structure (IDS) - in Mono Ethylene Glycol (MEG)
9	Report on Inverted Duty Structure (IDS) - in Vitro Diagnostic Devices
10	Report on Inverted Duty Structure (IDS) – in Technical Textile Items – Baby and Clinical (ADULT) Diapers
11	Report on Inverted Duty Structure (IDS) – in Aluminium Ingots
12	Report on Inverted Duty Structure (IDS) – in Orthopaedic Appliances
13	Report on Inverted Duty Structure (IDS) – in Other Diagnostic Appliances
14	Report on Inverted Duty Structure (IDS) – in Tyres (Radial)
15	Report on Inverted Duty Structure (IDS) – in Tyres(non-radial)
16	Report on Inverted Duty Structure (IDS) – in Tubes
17	Report on Inverted Duty Structure (IDS) – in Other Rubber Products
18	Report on Inverted Duty Structure (IDS) – in Ship Building
19	Report on Inverted Duty Structure (IDS) – in Poly Vinyl Chloride (PVC)
20	Report on Inverted Duty Structure (IDS) – in Mother Board
21	Report on Inverted Duty Structure (IDS) – in Plastic Machinery – Injection Moulding Machine & Blow Moulding Machine
22	Report on Inverted Duty Structure (IDS) – on Textile Machinery Items – Draw Frame Machine
23	Report on Inverted Duty Structure (IDS) – on Textile Machinery Items – Speed Frame Machine
24	Report on Inverted Duty Structure (IDS) – on Textile Machinery Items – Cotton Carding Machine
25	Report on Inverted Duty Structure (IDS) – on Textile Machinery Items – Combing Machine
26	Report on Inverted Duty Structure (IDS) – on Textile Machinery Items – Ring Frame Machine
27	Report on Inverted Duty Structure (IDS) – on Textile Machinery Items – Blow Room Machine
28	Report on India's need for Critical Raw Materials Australia as Potential Source
29	Report on Quantum value and types of Bio-resources exported from India (Report Part No.I)
30	Report on Fixation of Selling Price of Various Alkaloids produced by Government Alkaloid Works

Sl. No.	Name of the Report
31	Report on Operation & Maintenance Cost of Irrigation Projects Andhra Pradesh
32	Report on per capita cost of Piped Drinking Water Supply in the Arsenic affected areas in West Bengal.
33	Report on Realistic Price of Pregnancy Test Kit (PTK) supplied by M/s HLL Lifecare Ltd. in 2009-10 to Government of India.
34	Report on Realistic Price of Pregnancy Test Kit (PTK) supplied by M/s HLL Lifecare Ltd. in 2010-11 to Government of India
35	Report on Cost Study for levy Sugar Pricing
36	Report on Normative Transportation Charges paid by the FCI to Rice Millers beyond 8 KMs and Average Transportation Rates to be paid to DCP/Non-DCP States for Paddy/CMR.
37	Report on course fee Structure of NATRIP Silchar Centre for Driver Training Course Mechanic Training Course
38	Note on Sugar Estimation of Conversion Cost of Sugar for the Sugar Season 2010-11 to 2012-13
39	Report on Tariff Structure of Sports Goods and Equipment (Archery)
40	Report on Economics of Fodder Crops Cultivation vis-à-vis other grains /Cash Crops like wheat, rice, sugarcanes etc.

7. The sector wise details of the studies completed during 2012-13 are given in table below:

Sl. no	Sector/Type of Study	No. of reports
1	Manufacturing Sector	34
	a) Studies related to WTO/market/Access offer/FTA/ Tariff b) Pricing study	27 7
2	Service Sector	2
	Pricing study	2
3	Social Sector	1
	Industry competitiveness	1
4	Agriculture	2
	a) Pricing	1
	b) Other	1
5.	Other	1
	Grand Total	40

8. During the period 2013-14(April, 2013- 10th January, 2013) Commission has so far submitted the following reports:

Sl. No.	Study name
1.	Report on Estimation of Fair Price of B-Twill Jute Bags
2.	Report on Import of Second Hand Machinery and its impact on Competitiveness of Domestic Capital Goods Industry Part-I Plastic Processing Machinery
3.	Report on Impact Assessment of Free Trade/Preferential Trade Agreements with respect to Capital Goods Sector (First report relating to Power Generation Equipment)
4.	Report on Impact Assessment of free trade/preferential trade agreement on capital goods sector-power transmission and distribution equipment
5.	Report on Assessment of Free Trade Agreement with Thailand.
6.	Report on Impact Assessment of free trade/preferential trade agreement on capital goods sector-Electrical Equipment
7.	Note on effect of change in payment terms for B-Twill Jute Bag prices for supply through DGS&D
8.	Report on Quantum value and types of Bio-resources exported from India (Report Part No.II-Spices & Aromatic Plants)
9.	Report on Quantum Value and Types of Bio-Resources exported from India (Report Part No.III-Horticulture Crops).
10.	Report on Quantum Value and types of Bio-resources exported from India (Report Part No.IV – Animals).
11.	Note on Estimation of Fair Price of 50 Kg. B-Twill Jute Bags
12.	Report on per tonne per KM transportation rate of fertilizers by road for Jammu & Kashmir, Himachal Pradesh and North-Eastern States
13.	Report on Water Rate Structure for various uses in Andhra Pradesh
14.	Report on Operation & Maintenance Cost of Major and Medium Irrigation Projects in Madhya Pradesh.
15.	Report on Operation & Maintenance Cost of Irrigation Projects in Odisha
16.	Report on Water Rate Structure for various uses in Madhya Pradesh
17.	Report on Operation and Maintenance Cost of Irrigation Projects in Kerala
18.	Report on Performance of Bio-Fertilizers with their Chemical Counterparts in terms of Usage, Efficiency & Cost Effectiveness
19.	Report on Bus Transport Services in Non-BRT City Coimbatore.
20.	Report on Principles of determination of tariffs for passenger fares by the operational Metro Companies – Delhi Metro
21.	Report on Bus Transport Services in Non-BRT City Chennai
22.	Report on Bus Transport Services in BRT City Pune
23.	Report on Bus Transport Services in BRTS – City Delhi

9. Besides the above reports submitted during the current financial year the Commission has several other studies at different stages of progress / completion. The list of ongoing study topics and the tentative number of reports that are likely to be generated in each of the study topics is at **Annexure A**.

10. Outcome of the study reports submitted by the Commission, by way of adoption, indication, appreciation and interest shown by the clients in addition to the usage by the client in analysis and decision making are enumerated here under.

- 1) Department Related Parliamentary Standing Committee for Commerce in its 95th report on Performance of Cement Industry adopted Tariff Commissions Report on Cement Industry submitted to DRPSC in 2010.
- 2) The Report on Cement Industry submitted by the Commission to Department Related Parliamentary Standing Committee for Commerce in 2010 was also used by the Competition Commission of India (reference order date 20.6.2012, in case no. 29/2010).
- 3) Department of IP&P has placed the executive summary and findings of the Commission's report on "Review of Performance of Cement Industry" on its Web-site" for obtaining the views of various stakeholders.
- 4) Tariff Commissions report on Levy Sugar Pricing 2009 was used by the Committee constituted for looking into the issue of deregulation of sugar sector, headed by Shri Rangarajan
- 5) The price of B-Twill bags recommended by the Tariff Commission is adopted by the O/o Jute Commissioner using a price adjustment formula.(reference document on price policy for jute)
- 6) Tariff Commissions report on "study of B-Twill Jute Bags- 2009 has been used by the Ministry of Textiles, while preparing the policy document on Jute Fibre.(reference acknowledgement on pg 250 of the document)
- 7) Tariff commissions report on O&M cost of irrigation projects for Andhra Pradesh was requested by the MI(Stat) wing of the Ministry of Water Resources for submission to the XIV Finance Commission.
- 8) Department of Commerce vide their letter no 14/7/2005-TPD dated 26th September, 2013 have expressed interest in the reports of the studies done on inverted duty structure in 2012-13.
- 9) Office of Economic Adviser vide its letter dated 19/9/2012 endorsed the recommendations of Tariff Commission on Naptha, to the Ministry of Revenue. The recommendations of the Commission on the inverted duty structure were made part of the 2013-14 budget Memorandum of DIPP.
- 10) NMCC vide its letter No. 21(1)/2012-NMCC dated 14th January, 2012 endorsed the recommendations of Tariff Commission on the IDS reports to the Department of Revenue and PMO.

- 11) Ministry of Health & Family Welfare vide No. X-11035/12/2012-DGQC dated 3/4/2013 endorsed the study done by Tariff Commission to the Revenue Department on inverted duty structure.
- 12) Department of Revenue vide its letter no. C-15012/2/1/10- SO(NC-1) dt. 5.7.13 have intimated that the recommendations of Tariff Commission have been duly considered while revising the prices of bulk drugs produced by Govt. Opium & Alkaloid works, in March-April,2013
- 13) Report on Comparative Performance of Bio- Fertilizers with their chemical counterparts in terms of usage, efficiency and cost effectiveness appreciated by the Department of Agriculture and Cooperation, Ministry of Agriculture vide their letter no. 9.14.2013-Org. Fmg dated 29.09.2013.
- 14) Report of Second Hand Machinery and its impact on competitiveness of domestic capital goods industry- Plastic Processing Machinery presented before Director General of Foreign Trade Department of Commerce, during officers meeting of DGFT.
- 15) Tariff Commissions study report on “study on quantum, value and types of bio-resources exported from India”, has been appreciated by the Ministry of Environment and Forests (Reference letter no. 28-13/2008-CS-III dated 19.6.2013 and have indicated that eh data provided in the study would be helpful in the context of notification to be issued by the Ministry on normally traded commodities under provisions of he Biological Diversity Act.
- 16) Tariff Commission’s Report on “Study on quantum value and types of bio-resources exported from India”, has been cited in the background note of the Expert committee Meeting/Key-stake holder consultation on “strategies for up-scaling domestic and international trade in herbal & medicinal plant resources in the 12th FYP”.
- 17) Ministry of Environment and Forests vide their letter no. 12025/1/10-CS-III dated 22/8/2013 have appreciated the second and third report of the Commission on “Spices and Aromatic Plants and Horticultural Crops”.
- 18) The price of Pregnancy Test Kit recommended by Tariff Commission for the years 2009-10 and 2010-11 has been adopted by the Ministry of Health (reference letter no. S.12012/35/2007/Supply/Pregnancy Kit dated 16/5/2013).
- 19) Ministry of External Affairs vide its letter No. D.O. AC/202/20/2011 dated 2/6/2011 communicated that Commission’s report on India’s need for critical raw material and identification of sources of such raw materials in Asia, Africa and Latin America provided exhaustive and useful information to Indian Embassies and mission abroad and have been appreciated by most of the Missions /Posts abroad.

- 20) Department of Health using the reports of the Commission on Copper-T and Tubal rings made substantial savings (reference letter no. S12012/21/2004-supply dated 26/4/2005).
- 21) The Commissions assessment of savings made by MoH&FW by procuring condoms on the prices recommended by Tariff Commission during the period adopting the prices recommended by Tariff Commission during the period 2004-05-2007-08) works out to Rs 135.15 crores
- 22) Ministry of Food Processing Industry vide its letter No. 4-5/2008 –F&VP/NE dated 23/6/2011 have appreciated the efforts of Tariff Commission w.r.t. the comprehensive study on food parks.
- 23) Ministry of Housing & Urban Poverty Alleviation vide its letter No. O-17034/145/2009-H/FTS –1674 dated 30/1/2012 appreciated the report on analysis of share of various tariffs (Taxes, fees of govt.) in cost of construction of residential Apartments/Houses in select States/UTs and select Urban Local bodies.
- 24) The recommendations of Tariff Commission on the final rates of concessions for Ammonium Sulphate (AS) produced by FACT and GSFC were accepted by the Department of Fertilizers(reference Letter no. 22011/6/2009 dated 25/5/2012
- 25) Commission’s report on Critical Raw Materials: Australia as Potential Source has been circulated to related missions by Ministry of External Affairs in the year 2012-13.
- 26) Commission has made significant contribution specially in the case of fertilizer sector where Govt. has been disbursing huge amount of subsidies. Subsidies disbursed during last five years are as below. Quantum of subsidies payable for phosphatic and potassic fertilizers are worked out based on the Commission’s Pricing studies on Di-Ammonium phosphate, Complex Fertilizers and Muriate of Potash, etc.

(Rs. crores)

Year	Phosphatic and potassic fertilizers	Urea	Total
2006-07	10298	17721	28019
2007-08	16933	26385	43319
2008-09	65554	33939	99494
2009-10	39452	24580	64032
2010-11	28500	24340	53840

- 27) Report on Pricing of Cost Components of LNG Import and Regasification and Transportation Tariff of NG/R-LNG suggested substantial reduction in tariff of HVJ pipeline i.e. Rs. 832/MSCM as against existing tariff of Rs. 1150/MSCM .

- 28) GAIL had entered into gas supply contracts with the consumers. Independent power producers are among consumers of gas. Gas transportation charges were being levied by GAIL from the consumers as per these contracts. In the Commission's study transportation tariff were worked out using pipeline network principle. Report on Transportation Tariff for KG Basin Gas Supply Network suggested substantial reduction in tariffs as below:

Tariff charged by GAIL Vs Normative Tariff

Rs./MSCM

Name of IPP	Transportation Tariff	
	Charged by GAIL	Normative computed by TC
GVK Industry	805	298
Spectrum Power	805	298
Reliance Energy	1,258	298
LANCO	1,732	730

(*) Note: Recommendations of TC adopted with modifications

- 29) Report on Gas Transportation Tariff for Bajhera-Agra-Firozabad Spurline and Agra/Firozabad City Distribution Network suggests substantial reduction in transportation tariff of HVJ and Agra – Firozabad spurline and city gas distribution charges i.e. Rs. 1014/MSCM as against Rs. 1217/MSCM.
- 30) Hon'ble Supreme Court held (CA No. 2459 – in 2002) that “the decision rendered by the Tariff Commission on the issue of revising the retention price of cement would be binding on the Government of India”.
- 31) The Tariff Structure for glass components used for CPTs were endorsed to the Department of Revenue and Department of Commerce by the Department of Information Technology.

12. Tariff Commission, as per its mandate does not charge its clients. No specific funds are being allocated for studies. The entire expenditure is met from the Non-Plan budgetary allocation of the Tariff Commission. Expenditure over the years per study report has been decreasing as detailed in the Table below:

	Rs.in crores			
	2009-10	2010-11	2011-12	2012-13
Plan expenditure	0	0	0	0
Non-Plan expenditure	6.36	6.27	6.55	6.81
Total	6.36	6.27	6.55	6.81
Number of studies done	5	25	40	40
Expenditure per study reports submitted	1.06	0.25	0.16	0.17

13. Apart from undertaking the studies referred to the Commission it also undertook activities which inter-alia included:

- (a) Strengthening of database for monitoring global trade & policies trends of goods & services
- (b) Providing real-time information on the website of the Tariff Commission which was substantially recast, in view of the change in perspective and focus.
- (c) Providing requisite disclosures under Right to Information Act, 2005.
- (d) Imparting training to its employees on emerging trade and industry, aspect of competitiveness and the changing organizational concepts/techniques.
- (e) Modernization cum updating the library and documentation facilities to enable the organization to deal effectively with its mandate.
- (f) Ensure the state-of-the-art computer network infrastructure for e-functioning.
- (g) Taking up the process of refinement of data base of the Office of Jute Commissioner for ensuring realistic price fixation based on current data,

14. The Tariff Commission endeavors to give due weight-age to the use of Rajya Bhasha. The efforts of the Commission in implementing section 3(3) and rule 5 of the Rajya Bhasha act has been appreciated by the Department of Industrial Policy and Promotion vide their letter dated 29/112013.

Annexure- A

List of Ongoing studies (as on 15/1/2013)

Sl. no.	Study topic	Sector	Type of Study	No. of study reports expected to be submitted
1	Performance of cement Industry (2013-14)	mfg	Pricing/APM	1
2	Study on assessing the price of Sanitary Napkins.	mfg	Pricing –Govt procurement	1
3	Inverted Customs Duty Structure in respect of raw materials and components required for the Manufacturers of goods	mfg	Tariff Study	45
4	Impact of Liberalization / Tariff Reduction on HMT and Public Sector Enterprises & Innovative Pricing – HMT.	mfg	Industry competitiveness	2
5	Impact of Liberalization / Tariff Reduction on IDPL and Public Sector Enterprises & Innovative Pricing – IDPL.	mfg	Industry competitiveness	2
6	Impact of Liberalization / Tariff Reduction on NEPA and Public Sector Enterprises & Innovative Pricing – NEPA	mfg	Industry competitiveness	2
7	Public Sector Enterprises & Innovative Pricing – ‘Principles’.	Mfg/ social services	Industry competitiveness	4
8	Study on Competitiveness of HLL	mfg	Industry competitiveness	2
9	Import of second hand machinery and their impact on domestic manufacturers of capital goods and their competitiveness:	mfg	Industry competitiveness	8
10	Impact Assessment of FTAs/ PTAs on Capital Goods - Impact analysis of tariff and trade policy of major commodity/sector on regular basis:	mfg	FTA impact analysis	9
11	Impact assessment of Free Trade Agreement - Singapore.	mfg	FTA impact Analysis	1
12	Impact assessment of Free Trade Agreement - ASEAN.	mfg	FTA impact Analysis	1
13	Study on Export Competitiveness:	mfg	Industry competitiveness	6
14	Input Cost Study on Sub-Sectors of Capital Goods:	mfg	Industry competitiveness	9
15	Competitiveness of Indian Manufacturers Vs. Chinese Manufacturers in respect of Capital Goods:	mfg	Industry competitiveness	9
16	Sectoral Impact of imports on the market share in India in respect of the reserved list of SSI Sector	mfg	Industry competitiveness	1
17	Study on determining the realistic cost of Condoms	mfg	Pricing –Govt procurement	1

18	Study on costing structure/ Benchmarking for testing / homologation charges at NATRIP's centres: i) CAT - Manesar ii) GARC - Chennai iii) NATRAX - Indore iv) NIAMIT - Silchar v) ARAI - Pune vi) NCVRS- Rae Bareilly vii) VRDE - Ahmednagar	Services Sector	Pricing – public utility	7
19	Principles of determination of tariffs for passenger fares by the city bus services in BRT Corridors & non BRT cities / corridors. [19 cities / 12 States] – namely Mumbai, Chennai, Delhi , Kolkata, Bangalore, Hyderabad, Ahmadabad, Pune , Surat, Jaipur, Kanpur, Lucknow, Patna, Nagpur, Ghaziabad, Indore, Coimbatore , Kochi, Kozhikode]	Services Sector	Pricing – public utility	15
20	Study on per capita costs of surface water based piped water supply schemes to cover (i) Arsenic affected habitations - Two States – West Bengal & Bihar (ii) Fluoride affected habitations - Three states – Rajasthan, Karnataka and Andhra Pradesh	Services Sector	Pricing – public utility	4 ⁽¹⁾
21	O & M Costs of Single village and multi-village rural water supply schemes – Six states - West Bengal, Bihar, Rajasthan, Karnataka, Maharashtra & Madhya Pradesh	Services Sector	Pricing – public utility	6 ⁽¹⁾
22	Operational & Maintenance cost of irrigation projects	Services Sector	Pricing – public utility	5 ⁽²⁾
23	Study for determining additional compensation for complex fertilizers produced by Naphtha/Fuel Oil/LSHS based feed stock under NBS Policy.	mfg	Pricing – Govt procurement	1
24	Assessment of normative cost of drinking water supply	Services Sector	Pricing – public utility	5
25	Assessment of normative cost of water used for irrigation	Services Sector	Pricing – public utility	5
26	Assessment of normative cost of industrial water supply	Services Sector	Pricing – public utility	5
27	Study on quantum, value and type of bio-resources exported from India – Four Reports.	Social Sector	Industry competitiveness	1
28	Principles of determination of tariffs for passenger fares by the operational metro rail companies: i) Kolkata ii) Delhi- report submitted iii) Bangalore iv) Mumbai	Services Sector	Pricing – Public Utility	3
29	Study on the Realistic Cost/Price of various types of pipes used in rural Drinking Water Supply Schemes. seven states	mfg	Pricing /Govt. procurement	7

¹ scope expanded in view of the TORs projected by the client Ministries

² No. of reports indicated is zone wise however, no. of study reports may get enhanced if state wise reports are submitted

30	Principles of determination of tariffs for water supply	Services Sector	Pricing – Public Utility	5 ⁽³⁾
31	Study on per capita costs of piped water supply schemes base in Arunachal Pradesh (a) On gravity flow (b) On pumping	Services Sector	Pricing – public utility	1
32	Principles of determination of tariffs for Solid waste management	Services Sector	Pricing – Public Utility	5 ⁽³⁾
33	Principles of determination of tariffs for Sanitation	Services Sector	Pricing – Public Utility	5 ⁽³⁾
34	Study on database on economic contribution of biotech, pharmaceutical and health care industry in Punjab to Indian economy	mfg	Others	1
35	Comparative performance of bio-pesticides with their chemical counterparts in terms of usage, efficiency & cost effectiveness.	mfg	Industry competitiveness	1
36	Study of successful commercial models adopted by self help group for livelihood generation and sustainability in Punjab	Social Sector	Others	1
37	Study on interventions through joint forest management on livelihood improvement and increase in purchasing power of local communities	Social Sector	Others	1
38	Impact of taxation on Minor Forest Produce to the Local communities	Social Sector	Others	1
39	Impact of Certification on cost benefit ratio of handicraft items exported from India	Social Sector	Industry competitiveness	1
40	Assessment of fuel wood extraction from India's forest for meeting energy needs.	Social Sector	Others	1
41	Study to analyse the effect of lower duties on revenue foregone vis-a-vis possible economic benefits obtained in the cost of construction of residential apartments/houses in selected States/UTs	Social Sector	Industry competitiveness	1
42	Economics of utilization of bio-resources (medicinal & aromatic plants) in the state of Punjab.	Social Sector	Industry competitiveness	1
43	Contribution of Agro and Farm Forestry for meeting industrial demand of forest produce / products in the country and scope for wood based industry	Social Sector	Industry competitiveness	1
44	Study on Socio-economic impact of Bt Cotton in Punjab	Social Sector	Industry competitiveness	1
45	Impact analysis of fiscal incentives announced in the recent budgets (2010-11 & 2011-12) done for cold chain infrastructure	mfg	Industry competitiveness	1
46	Study on Status of Ship Building Industry in Goa – Strengths, Impediments and way forward	mfg	Industry competitiveness	1
47	Study of multiple use of natural gas in various sectors across Goa and benefits to the Environment	Services Sector	Others	1
48	Integrated reports/study on cultivation of medicinal plants linked to marketing value added health products in the designated Biosphere Reserves by the Ministry on Environment & Forests.	Social Sector	Industry competitiveness	1

³ No. of reports indicated is zone wise however, no. of study reports may get enhanced if state wise reports are submitted

49	Study on Determination of State-wise average cost of Transmission including technical and non-technical losses	Services Sector	Pricing – public utility	5
50	Study on Impact of Power Sector Reforms on financial Health of the Distribution companies and their respective payment capability for the next five year	Services Sector	Pricing – public utility	5
51	Study on Decentralised distribution Generation (DDG) Tariff	Services Sector	Pricing – public utility	5
52	Study on Comparative study of open access charges in distribution and recommendation of optimum tariff for open access	Services Sector	Pricing – public utility	5
53	Study on impact of change in royalty rates of coal and lignite on thermal power generation tariff in addition to tariff based bidding for allotment	Services Sector	Pricing – public utility	1
54	Study on Benchmark distribution margins for bidding out distribution services for privatization of distribution	Services Sector	Pricing – public utility	5
55	Coal pricing subsidiary wise i) SIngareni Collieries SCCL ii) Coal India Ltd subsidiary ECL iii) Coal India Ltd subsidiary MCL iv) Coal India Ltd subsidiary NCL v) Coal India Ltd subsidiary NFCL vi) Coal India Ltd subsidiary SECL vii) Coal India Ltd subsidiary WCL viii) Coal India Ltd subsidiary CCL	Mining Sector	Pricing – Public Utility	8