

APPENDIX 1

(Paragraph No.: 1.2; Page-02)

Comparative analysis : International Best Practices, Central and State Environmental Laws

Subject	International convention/ conference on environment	Legislative enactment by GoI	Legislative enactment by GoUP
Water Pollution	<ul style="list-style-type: none"> World Commission on Sustainable Development 1992 	<ul style="list-style-type: none"> The Water (Prevention and Control of Pollution) Act, 1974, amended in 1988. The Water (Prevention and Control of Pollution) Cess Act, 1977. The Central Pollution Control Board (CPCB) was created under the Water (Prevention and Control of Pollution) Act, 1974 on 03 February 1975. 	<ul style="list-style-type: none"> The UPPCB was created under the Water (Prevention and Control of Pollution) Act, 1974 on 03 February 1975. Adopted by GoUP since 1977.
Air Pollution	<ul style="list-style-type: none"> United Nations Conference on Human Environment (UNCHE), Stockholm, 1972 Vienna Convention on the Protection of Ozone Layer 1985 Male Declaration on Control and Prevention of Air Pollution and its trans-boundary effects (1988). 	<ul style="list-style-type: none"> The Air (Prevention and Control of Pollution) Act, 1981, amended in 1987. NAAQS Notified in April 1994. 	<ul style="list-style-type: none"> Adopted by GoUP since 13 July 1982.
Waste Management	<ul style="list-style-type: none"> UNCHE, Stockholm, 1972 Basel Convention in 1989 on Control of Trans-boundary movements of Hazardous wastes and their disposal. European Union Directive on Waste Management focused on the “reduce, reuse and recycle” principle. 	<ul style="list-style-type: none"> The Environment (Protection) Act, 1986 amended in 1991. Municipal Solid Waste (Management and Handling) Rules 2000. Bio-Medical Waste (Management and Handling) Rules 1998. The Plastic Manufacture, Sale and Usage Rules, 1999. The Batteries (Management and Handling) Rules, 2000. 	<ul style="list-style-type: none"> The Uttar Pradesh Plastic and other Non-Biodegradable Waste (Usage and Disposal regulation) Act 2000. Adopted by GoUP. The Uttar Pradesh Plastic and other Non-Biodegradable Waste (Usage and Disposal regulation) Act 2000. Adopted by GoUP.
Building Code	NA	<ul style="list-style-type: none"> National Building Code 2005 	<ul style="list-style-type: none"> The Uttar Pradesh Urban Planning and Development Act, 1973. Building bye-laws 2000 amended in 2008.

(Source: Environment and Climate Change Auditing guidelines 2010, Central and State Acts, Laws and Rules)

APPENDIX 2

(Paragraph No.: 2.1.1; Page-07)

Allotment and expenditure of Environment Department

(₹ in crore)

Year	Allotment*			Expenditure			Savings			Total Expenditure of State ¹	Percent-age of the total expenditure of the State
	R	C	T	R	C	T	R	C	T		
2005-06	82.81	80.03	162.81	2.78	11.30	14.08	80.03	68.70	148.73	55328	0.025
2006-07	82.95	80.00	162.95	2.93	0.00	2.93	80.02	80.00	160.02	69683	0.004
2007-08	93.26	82.00	175.26	3.32	0.00	3.32	89.94	82.00	171.94	82174	0.004
2008-09	88.62	80.65	169.27	2.93	0.00	2.93	85.69	80.65	166.34	98315	0.003
2009-10	15.55	0.05	15.60	4.11	0.05	4.16	11.44	0.00	11.44	114465	0.004
2010-11	9.66	0.00	9.66	3.11	0.00	3.11	6.55	0.00	6.55	127948	0.002

(Source: Appropriation Accounts)

R: Revenue, C: Capital, T: Total

*including allotment of Taj Trapezium Zone project

¹ Excluding disbursement of loans and advances.

APPENDIX 3

(Paragraph No.: 3.2.1; Page-14)

Results of drinking water sample tests (Bacteriological) conducted by the IITR, Lucknow

Area	Location	Location-wise analysis of samples		Source-wise analysis of samples			
				Piped water supplied		Ground water supplied	
		Analysed	Contaminated (per cent)	No. of samples analyzed	contaminated samples (per cent)	No. of samples analyzed	Contaminated (per cent)
Commercial	Aminabad	10	5	15	10(67)	15	03(20)
	Chowk	10	4				
	Hazratganj	10	4				
	Total	30	13(43)				
Industrial	Aishbagh	10	2	15	03(20)	15	05(33)
	Amausi	10	3				
	Talkatora	10	3				
	Total	30	8(27)				
Residential	Alambagh	10	2	20	8(40)	20	05(25)
	Aliganj	10	6				
	Gomti Nagar	10	2				
	Indira Nagar	10	3				
	Total	40	13(33)				
Grand total		100	34(34)	50	21(42)	50	13(26)

(Source: IITR)

APPENDIX 4

(Paragraph No.: 3.2.2.1; Page-16)

Pollution level of River Gomti

Sl. No.	Sampling Point of River Gomti	2006			2007			2008			2009			2010		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
1.	Dadhnamau Ghat Sitapur Upstream	8.2	1.7	1391	7.8	1.5	1967	7.9	1.9	779	8.0	2.1	1866	8.0	2.3	1866
2.	Manjhigat, Lucknow	7.7	2.6	1983	7.0	2.4	2004	6.9	2.8	1957	7.5	2.6	2433	7.6	2.6	2383
3.	Gaughat Upstream water intake, Lucknow	7.2	2.9	3508	6.3	2.8	2859	6.3	3.1	3000	7.1	2.9	3683	7.3	2.9	3433
4.	Mohan Meakins down stream Lucknow	5.3	6.4	42583	4.5	6.3	34749	5.0	5.7	33142	6.0	4.3	28250	5.9	4.4	25833
5.	Nishatganj Bridge, Lucknow	3.1	6.9	68333	2.8	7.7	51665	3.4	7.4	65000	3.9	6.5	55250	3.9	6.7	63500
6.	Upstream of Barrage, Lucknow	1.7	8.6	96666	2.0	9.1	79999	2.3	8.9	95714	2.9	8.0	101833	3.0	8.2	105166
7.	Pipraghat, Lucknow (percentage higher than the Category 'C')	1.0	9.9 (330)	116666 (2333)	1.4	10.5 (350)	114998 (2300)	1.6	10.6 (353)	124255 (2485)	2.2	9.6 (320)	119833 (2393)	2.4	9.6 (320)	127500 (2550)

(Source: UPPCB)

A: Dissolved Oxygen (Mg/ltr); B: Bio Chemical Oxygen Demand (Mg/ltr); C: Total coliform (Most Probable Number/100ml)

APPENDIX 5

(Paragraph No.: 3.2.2.2; Page-18)

Expenditure on Lucknow sewerage works under JNNURM in 40 wards

(₹ in crore)

Sl. No.	Name of Schemes	Sanctioned Cost	Funds released	Works proposed	Total	Expenditure	Remarks
1.	Lucknow Sewerage Scheme, District-I	2.36	2.36	Branch Sewer Trunk Sewer SPS 56mld STP – 14mld	283 Km 54 Km 1No. 1 No.	1.76	STP commissioned
2.	Lucknow Sewerage Scheme, District-III Part-I	2.62	1.05	Trunk Sewer Branch Sewer SPS R.M.	91 km 394km. 1 No. 3000m	1.01	Under progress. Schedule of completion is March 2012
3.	Lucknow Sewerage Scheme, District-III Part-II	2.14	0.54	Trunk Sewer Branch Sewer SPS R.M.	42 km 310 km 3 No. 3375m	0.54	Under progress. Schedule of completion is March 2012
Total		7.12	3.95			3.31	

(Source: Jal Nigam)

APPENDIX 6

(Paragraph No.: 4.2.1; Page-24)

National Ambient Air Quality Standard and level of SPM and RSPM in the air of Lucknow City during 2006-10

Name of location	Criteria/ Activity	Standard norms		2006 ($\mu\text{g}/\text{m}^3$)		2007 ($\mu\text{g}/\text{m}^3$)		2008 ($\mu\text{g}/\text{m}^3$)		2009 ($\mu\text{g}/\text{m}^3$)		2010 ($\mu\text{g}/\text{m}^3$)	
		SPM	RSPM	SPM	RSPM	SPM	RSPM	SPM	RSPM	SPM	RSPM	SPM	RSPM
Hazarathganj	Commercial	140	60	393	186	385.1	180.2	386.5	181.6	400	190	384	186
Mahanagar	Residential			387	182	385.3	183.5	378.7	185.7	401	189	380	185
Aliganj	Commercial			400	186	402.4	192.7	403.2	190.0	414	196	400	194
Aminabad	Residential			407	195	396.5	189.7	380.9	186.0	404	192	388	189
Talkatora	Industrial	360	120	419	200	414.1	200	424	202.2	436	210	412	199

(Source: CPCB and UPPCB) SPM: Suspended Particulate Matter ; RSPM: Respirable Suspended Particulate Matter

APPENDIX 7

(Paragraph No.: 9.2.2; Page-56)

Status of works started without Environmental Clearance

(₹ in crore)

Sl. No.	Name of the work	Estimated cost	Expenditure up to June 2010	Date of start of work	Date of Completion	NOC issued by UPPCB	Date of issuing EC as per SEIAA
1.	Indira Gandhi Prathisthan, Gomti Nagar	154.77	141.00	February 2005	Work in progress	12.12.08	24.08.11
2.	New Jail Parisar, Mohanlal ganj	327.97	254.87	October 2008	--do--	03.07.09	28.08.09
3.	Dr Ram Manohar Lohia, Law University	244.14	241.47	March 2006	--do--	25.08.08	10.07.10
4.	Dr Shakuntala Mishra Rehabilitation University	398.25	103.53	December 2008	--do--	18.06.10	31.5.10
5.	Dr BR Ambedkar Samajik Parivartan Sthal	1256.73	977.91	July 2007	--do--	25.08.08	Not issued
	Total	2381.86	1718.78				

(Source: UPRNN)