

## Statutory Notification (S. R. O.)

## GOVERNMENT OF PAKISTAN

MINISTRY OF ENVIRONMENT, LOCAL GOVERNMENT AND RURAL  
DEVELOPMENT

## NOTIFICATION

Islamabad, the April, 2001.

S.R.O. (1)/2001 - In exercise of the powers conferred by section 31 of the Pakistan Environmental Protection Act, 1997 (XXXIV of 1997), the Federal Government is pleased to make the following rules, namely: -

1. **Short title and commencement.** - (1) These rules may be called the National Environmental Quality Standards (Self-Monitoring And Reporting By Industry) Rules, 2001.

(2) They shall come into force at once.

2. **Definitions.** - (1) In these rules, unless there is anything repugnant in the subject or context,-

- (a) "Act" means the Pakistan Environmental Protection Act, 1997 (XXXIV of 1997);
- (b) "associated company" and "associated undertaking" shall have the same meaning as defined in the Companies Ordinance, 1984 (XLVII of 1984);
- (c) "certified environmental laboratory" means an environmental laboratory which has been granted certification under the Pakistan Environmental Protection Agency (Certification of Environmental Laboratories) Regulations, 2000;
- (d) "Director-General" means the Director-General of the Federal Agency;
- (e) "environmental monitoring report" means the report submitted by an industrial unit to the Federal Agency in respect of priority parameters;
- (f) "industrial unit" means any legal entity carrying on industrial activity;

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5. **Category "**  
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6. **Category "I**  
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Schedule IV

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- (g) "pollution level" means the number of units per unit of production determined under the Pollution Charge for Industry (Calculation and Collection) Rules, 2001;
- (h) "priority parameters" means those parameters of the National Environmental Quality Standards which have been selected for purposes of submission of Environmental Monitoring Reports to the Federal Agency by an industrial unit; and
- (i) "Schedule" means the Schedule to these rules.

(2) All other words and expressions used in these rules but not defined herein shall have the same meanings as are assigned to them in the Act.

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3. **Responsibility for reporting.** - (1) All industrial units shall be responsible for correct and timely submission of Environmental Monitoring Reports to the Federal Agency.

se rules may be called the  
And Reporting By Industry)

4. **Classification of industrial units.** - On the basis of the pollution level of an industrial unit, the Director-General shall classify the unit into category "A", "B" and "C" for liquid effluents, and category "A" and "B" for gaseous emissions:

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Provided that till such time as the pollution level of an industrial unit is determined, it shall be classified according to the type of industry to which it belongs, as shown in Schedule I for liquid effluents and in Schedule II for gaseous emissions.

mental Protection Act, 1997

5. **Category "A" industrial units.** - (1) An industrial unit in category "A" shall submit Environmental Monitoring Reports on monthly basis -

d undertaking" shall have the  
Companies Ordinance, 1984

- (a) in respect of liquid effluents, for priority parameters listed in column 3 of Table A of Schedule III:

y" means an environmental  
rtification under the Pakistan  
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Provided that during start-up or upset conditions, priority parameters mentioned in column 4 of Table A of Schedule III shall be recorded on hourly basis;

- (b) in respect of gaseous emissions, for priority parameters listed in Table B of Schedule III.

ctor-General of the Federal

(2) An industrial unit in category "A" shall maintain a record of the times during which start-up and upset conditions occur, and shall mention the total time elapsed in such conditions in its monthly Environmental Monitoring Report.

means the report submitted  
Agency in respect of priority

6. **Category "B" industrial units.** - An industrial unit in category "B" shall submit Environmental Monitoring Reports on quarterly basis -

entity carrying on industrial

- (a) in respect of liquid effluents, for priority parameters listed in Table A of Schedule IV;
- (b) in respect of gaseous emissions, for priority parameters listed in Table B of Schedule IV.

7. **Category "C" industrial units.** - An industrial unit in category "C" shall submit Environmental Monitoring Reports on biannual basis for priority parameters in respect of liquid effluents listed in Schedule V.

8. **Special Industries.** - (1) Without prejudice to the provisions of rule 4, the Director-General may classify a large industrial unit with very high pollution levels as "Special Industry".

(2) In addition to complying with the requirements of rule 5, a Special Industry shall submit Environmental Monitoring Reports for such parameters and at such frequency as the Director-General may require.

9. **Environmental Monitoring Report.** - (1) An Environmental Monitoring Report shall comprise a Liquid Effluents Monitoring Report, a Gaseous Emissions Monitoring Report and a cover sheet which shall be in the form as set out in Forms A, B and C, respectfully, of Schedule VI.

(2) All measurements of priority parameters contained in the Environmental Monitoring Report submitted by an industrial unit shall be based on test reports of a certified environmental laboratory, and attested copies of such results shall be attached with the Environmental Monitoring Report:

Provided that such certified environmental laboratories shall not be part of, or an associated company or associated undertaking of, the said industrial unit.

(3) The Gaseous Emissions Report shall cover the priority parameters listed in Schedule VII, and shall include, every two years, metal analysis of all gaseous emissions from the industrial unit.

10. **Sampling, testing and analysis.** - Sampling, testing and analysis of effluents, gaseous emissions and waste shall be carried out in accordance with the Environmental Samples Rules, 2001.

11. **Monitoring conditions of EIA approval.** - The provisions of these rules shall be in addition to, and not in derogation of, the monitoring conditions laid down in an EIA approval.

12. **Compilation, analysis and management of data.** - The Federal Agency shall compile, analyze and manage the data contained in the Environmental Monitoring Reports with the objective, inter alia, of enforcing the National Environmental Quality Standards and developing an environmental database.

**Classification of Industrial****1. Category "A"**

1. Chlor-Alkali
2. Chlor-Alkali
3. Metal finish
4. Nitrogenous
5. Phosphate fe
6. Pulp and pap
7. Pesticides fo
8. Petroleum re
9. Steel/Indust
10. Synthetic fib
11. Tanning and
12. Textile proce
13. Pigments and
14. Thermal Pow
15. Rubber produ
16. Paints, Varni
17. Pesticides.
18. Printing.
19. Industrial ch
20. Oil and Gas
21. Petrochemica
22. Combined ef
23. Any other inc

**2. Category "B"**

1. Dairy industr
2. Fruit and veg
3. Glass manufa
4. Sugar
5. Detergent.
6. Photographic.
7. Glue manufac
8. Oil and Gas e
9. Thermal Pow
10. Vegetable oil
11. Woollen mills
12. Plastic materi
13. Wood and cor
14. Any other ind

in category "C" shall  
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## SCHEDULE I (See rule 4)

### Classification of Industrial Units for Liquid Effluents

#### 1. Category "A"

1. Chlor-Alkali (Mercury Cell).
2. Chlor-Alkali (Diaphragm Cell).
3. Metal finishing and electroplating.
4. Nitrogenous fertilizer.
5. Phosphate fertilizer.
6. Pulp and paper.
7. Pesticides formulation.
8. Petroleum refining.
9. Steel /Industry.
10. Synthetic fiber.
11. Tanning and leather finishing.
12. Textile processing.
13. Pigments and dyes.
14. Thermal Power Plants (Oil Fired and Coal Fired).
15. Rubber products.
16. Paints, Varnishes and Lacquers.
17. Pesticides.
18. Printing.
19. Industrial chemicals.
20. Oil and Gas production.
21. Petrochemicals.
22. Combined effluent treatment.
23. Any other industry to be specified by Federal or Provincial Agency.

#### 2. Category "B"

1. Dairy industry.
2. Fruit and vegetable processing.
3. Glass manufacturing.
4. Sugar.
5. Detergent.
6. Photographic.
7. Glue manufacture.
8. Oil and Gas exploration.
9. Thermal Power Plants (Gas Fired).
10. Vegetable oil and ghee mills.
11. Woollen mills.
12. Plastic materials and products.
13. Wood and cork products.
14. Any other industry to be specified by Federal or Provincial Agency.

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accordance with the

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- The Federal Agency  
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Environmental Quality

**3. Category "C"**

1. Pharmaceutical (Formulation) Industry.
2. Marble Crushing.
3. Cement.
4. Any other industry to be specified by Federal or Provincial Agency.

**SCHEDULE II**

(See rule 4)

**Classification of Industrial Units for Gaseous Emissions**

**1. Category "A"**

1. Cement.
2. Glass manufacturing.
3. Iron and steel.
4. Nitrogenous fertilizer.
5. Phosphate fertilizer.
6. Oil and Gas production.
7. Petroleum refining.
8. Pulp and paper.
9. Thermal Power Plants (coal and oil based)
10. Boilers, ovens, furnaces and kilns (coal and oil fired)
11. Brick Kilns (firewood and bagasse based)
12. Any other industry to be specified by Federal or Provincial Agency.

**2. Category "B"**

1. Sugar
2. Textile
3. Chloralkali plants
4. Dairy /Industry
5. Fruits and vegetables
6. Metal finishing and electroplating
7. Boilers, ovens, furnaces and kilns (gas-fired)
8. Any other industry to be specified by Federal or Provincial Agency.

(Appendix - C) NEQS (Self-Monitoring and Reporting by Industry) Rules, 2001

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**Schedule III**

[See rule 5(1)(a) and (b)]

**Table A**

**Category "A"**

**Priority Parameters for Monitoring of Liquid Effluents**

S.No	Industry	Priority Parameters for Normal Plant Conditions to be Reported on a Monthly basis <sup>1</sup>	Priority Parameters for Start-up and Upset Conditions to be Recorded on an Hourly Basis
1.	Chlor-Alkali (Mercury Cell)	Effluent flow, Temperature, pH, TSS, Chlorine, Mercury, Chlorides	Effluent Flow, Temperature, pH, TSS, Mercury, Chlorides
2.	Chlor-Alkali (Diaphragm Cell)	Effluent Flow, Temperature, pH, TSS, Chlorine, Chlorides	Effluent Flow, Temperature, pH, TSS, Chlorides
3.	Metal Finishing and Electroplating <sup>2</sup>	Effluent Flow, Temperature, pH, TSS, Oil and Grease, Arsenic, Cadmium, Chromium (trivalent), Chromium (hexavalent), Lead, Nickel, Mercury, Silver, Zinc, Fluorides, Cyanides	Effluent Flow, Temperature, pH, TSS,
4.	Nitrogenous Fertilizer	Effluent Flow Temperature, pH, TSS, Ammonia, COD	Effluent Flow, Temperature, pH, TSS,
5.	Phosphate Fertilizer	Effluent Flow Temperature, pH, TSS, Cadmium, Fluorides, COD	Effluent Flow, Temperature, pH, TSS,

6.	Pulp and paper	Effluent Flow, Temperature, pH, COD, TSS, TDS, Sulfides, BOD5	Effluent Flow, Temperature, pH, TDS, TSS
7.	Pesticides Formulation	Effluent Flow, Pesticides	Effluent Flow,
8.	Petroleum Refining	Effluent Flow, Temperature, pH, COD, TSS, BOD5 Oil and Grease, phenolic compounds	Effluent Flow, Temperature, pH, TSS
9.	Steel Industry	Effluent Flow, Temperature, pH, COD, TSS, TDS, Chromium (trivalent), Iron, Oil and Grease, Cadmium, Copper.	Effluent Flow, Temperature, pH, TSS
10.	Synthetic Fiber	Effluent Flow, Temperature, pH, COD, TSS, BOD5, Oil and Grease, Sulfides	Effluent Flow, Temperature, pH, TSS
11.	Tanning and Leather Finishing	Effluent Flow, Temperature, pH, COD, TSS, BOD5, Sulfide, Oil, and Grease, Chromium(trivalent), Chromium (hexavalent), TDS, phenolic compounds	Effluent Flow, Temperature, pH, TSS
12.	Textile Processing	Effluent Flow, Temperature, pH, COD, TSS, TDS, BOD5, Copper, Chromium	Effluent Flow, Temperature, pH, TSS
13.	Pigments and Dyes	Effluent Flow, pH, Temperature, COD, Lead, Copper, Zinc.	Effluent Flow, Temperature, pH,
14.	Thermal Power Plants (oil fired and coal fired)	Effluent Flow, Temperature, pH, TSS, Oil and Grease	Effluent Flow, Temperature, pH, TSS
15.	Rubber Products	COD, Cadmium, TSS	TSS

16.	Paints, Varnishes & Lacquers	PH, TSS, COD, Lead, Chromium, Cadmium, Zinc, Barium.	PH, TSS
17.	Pesticides	COD, Mercury, Pesticides	COD,

13.	Pigments and Dyes	Effluent Flow, pH, Temperature, COD, Lead, Zinc	
14.	Thermal Power Plants (oil fired and coal fired)	Effluent Flow, Temperature, pH, TSS, Oil and Grease	Effluent Flow, Temperature, pH, TSS
15.	Rubber Products	COD, Cadmium, TSS	TSS

*(Appendix - C) NEQS (Self-Monitoring and Reporting by Industry) Rules, 2001*

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16.	Paints, Varnishes & Lacquers	PH, TSS, COD, Lead, Chromium, Cadmium, Zinc, Barium	PH, TSS
17.	Pesticides	COD, Mercury, Pesticides	COD,
18.	Printing	COD, Lead	COD,
19.	Industrial Chemicals	PH, COD, TDS, Phenolic Compounds, Cyanide, Ammonia, Cadmium*, Chromium*, Mercury*, Nickel*, Zinc*, Arsenic*	PH, COD, TDS,
20.	Oil and Gas Production	Effluent Flow, Temperature, pH, COD, TSS, TDS, Oil and Grease, Chloride, BOD5, Phenolic Compounds	Effluent Flow, Temperature, pH, TSS, TDS,
21.	Petrochemicals	Effluent Flow, Temperature, pH, COD, TSS, TDS, Oil and Grease, BOD5, Phenolic Compounds	Effluent Flow, Temperature, pH, TSS, TDS

1. Industry using chromium in its cooling water system will also report chromium (trivalent, hexavalent) in addition to the stipulated priority parameters for each sector.
2. Steel Industry includes steel-re-rolling mills, electric furnaces, and foundries.

\* Priority parameters will be limited to those occurring in chemicals and raw-materials used.



## (Appendix - C) NEQS (Self-Monitoring and Reporting by Industry) Rules, 2001

**Table B**  
**Category "A"**  
**Priority Parameters for Monitoring of Gaseous Emissions**

S.No	Industry	Priority Parameters for Normal Plant Conditions to be reported on a Monthly basis.	
		Process Emission	Emission from fired Equipment
1.	Cement	Particulates	CO, *SOx, NOx, Particulates
2.	Glass Manufacturing	Particulates	CO, *SOx, NOx, Particulates
3.	Iron and Steel	Particulates, Fluorides CO, NOx, SOx	CO, *SOx, NOx, Particulates.
4.	Nitrogenous Fertilizers	Ammonia, Particulates	
5.	Phosphate Fertilizers	Ammonia, Fluoride, Particulate	
6.	Oil and Gas Production	CO, *SOx, NOx, H <sub>2</sub> S and Particulates.	
7.	Petroleum Refining	H <sub>2</sub> S, NOx, SOx, Particulates	CO, *SOx, NOx, Particulates.
8.	Pulp and Paper	Chlorine, SOx	CO, *SOx, NOx, Particulates.
9.	Thermal Power Plants (Coal and Oil based)		*SOx, NOx, CO, Heavy Metals and Particulates
10.	Boilers, Ovens, Furnaces and Kilns (Coal and Oil fired)		CO, NOx, *SOx, Particulates.
11.	Brick Kilns (Firewood and Bagasse)		CO, Particulates

1. Metal analyses of all gaseous emission would be carried out once in two years.  
 \* Only where fuel contains hydrogen sulphide (H<sub>2</sub>S) more than 20ppm

S.No.	Industry
1.	Dairy Indust
2.	Fruit & Vegetable Processing
3.	Glass Manufactu
4.	Sugar
5.	Detergent
6.	Photographic
7.	Glue Manufacture
8.	Oil and Gas Exploration
1.	Industry using c (trivalent, hexav sector

**Schedule IV**  
[See rule 6(a) and (b)]

**Table A**  
**Category "B"**  
**Priority Parameters for Monitoring of Liquid Effluents**

S.No.	Industry	Priority Parameters for Normal Plant Conditions to be Reported on a quarterly Basis <sup>1</sup>
1.	Dairy Industry	Effluent Flow, Temperature, pH, BOD <sub>5</sub> , TSS, TDS, Oil and Grease
2.	Fruit and Vegetable Processing	Effluent Flow, Temperature, pH, BOD <sub>5</sub> , TSS, COD
3.	Glass Manufacturing	Effluent Flow, Temperature, pH, TSS, COD, Oil and Grease
4.	Sugar	Effluent Flow, Temperature, pH, BOD <sub>5</sub> , TSS, COD, Oil and Grease
5.	Detergent	pH, COD, Oil and Grease, An-ionic Detergent
6.	Photographic	pH, COD, Silver, Cyanide, Fluoride
7.	Glue Manufacture	BOD, COD, pH.
8.	Oil and Gas Exploration	Effluent Flow, Temperature, pH, COD, TSS, TDS, Oil and Grease, Chloride, BOD <sub>5</sub> , Phenolic compounds

1. Industry using chromium in its cooling water system will also report Chromium (trivalent, hexavalent) in addition to the stipulated priority parameters for each sector

1. Metal analyses of all gaseous emission would be carried out once in two years.  
\* Only where fuel contains hydrogen sulphide (H<sub>2</sub>S) more than 20ppm

CO, Particulates

and Oil fired)  
Brick Kilns (Firewood and Bagasse)

**Table B**  
**Category "B"**  
**Priority Parameters for Monitoring of Gaseous Emissions**  
**Category "B"**

S.No	Industry	Priority Parameters for Normal Plant Conditions to be reported on a Quarterly Basis <sup>1</sup>	
		Process Emission	Emission from fired Equipment
1.	Sugar	Particulates	CO, *SO <sub>x</sub> , NO <sub>x</sub> , Particulates
2.	Textile		CO, *SO <sub>x</sub> , NO <sub>x</sub> , Particulates
3.	Chloralkali Plants	Chlorine	
4.	Dairy Industry		CO, NO <sub>x</sub> *SO <sub>x</sub> , , Particulates
5.	Fruits and Vegetables		CO, NO <sub>x</sub> *SO <sub>x</sub> , , Particulates
6.	Metal Finishing and Electroplating	Particulates	
7.	Boilers, Ovens, furnaces and Kilns (Gas - fired)		CO, NO <sub>x</sub>

1. Metal analyses of all gaseous emission would be carried out once in two years.  
 \*Only where fuel contains hydrogen sulphide (H<sub>2</sub>S) more than 20ppm

Priority

S.No.	Industry
1.	Pharmaceuticals (formulation) marble crush and any other notified by EP

Industry using chromit (trivalent, hexavalent)

s Emissions

**Schedule V**  
(See rule 7)

Category "C"

**Priority Parameters for Monitoring of Liquid Effluents**

Parameters for Normal Plant  
Conditions to be Reported on a  
Quarterly Basis<sup>1</sup>

Emission from fired Equipment
CO, *SO <sub>x</sub> , NO <sub>x</sub> , Particulates
CO, *SO <sub>x</sub> , NO <sub>x</sub> , Particulates
CO, NO <sub>x</sub> *SO <sub>x</sub> , Particulates
CO, NO <sub>x</sub> *SO <sub>x</sub> , Particulates
CO, NO <sub>x</sub>

S.No.	Industry	Priority Parameters for Normal Plant Conditions to be Reported on a quarterly Basis <sup>1</sup>
1.	Pharmaceutical (formulation) industry, marble crushing, Cement, and any other industry as notified by EPAs	Effluent Flow, Temperature, pH, COD, TSS, TDS,

Industry using chromium in its cooling water system will also report chromium  
(trivalent, hexavalent) in addition to the stipulated priority parameters for each sector

out once in two years.  
in 20ppm

National Environmental Quality Standards (Self-Monitoring and Reporting by Industry) Rule, 2001

## Schedule VI

## FORM A

## Liquid Effluents Monitoring Report

SMART Plant Database  
Monitored Effluents

X

## Sampling Information

Normal Conditions

SMART

## Reported Data

Stream  Sampling Date    Sampling Time

Location  Temp. (C)  Flow (m<sup>3</sup>/hr)

Period

Reported Days  Hrs Per Day

## Laboratory

Name  Address

## Sample Analysis

Ammonia <input type="text"/> mg/l	Chlorine <input type="text"/> mg/l	Lead <input type="text"/> mg/l	Silver <input type="text"/> mg/l
Arsenic <input type="text"/> mg/l	Chromate (Hexavalent) <input type="text"/> mg/l	Manganese <input type="text"/> mg/l	Sulfides <input type="text"/> mg/l
Detergents <input type="text"/> mg/l	Chromium (Trivalent) <input type="text"/> mg/l	Mercury <input type="text"/> mg/l	TDS <input type="text"/> mg/l
Arsenic <input type="text"/> mg/l	COD <input type="text"/> mg/l	Nickel <input type="text"/> mg/l	Total Chromium <input type="text"/> mg/l
Barium <input type="text"/> mg/l	Copper <input type="text"/> mg/l	Oil and Grease <input type="text"/> mg/l	TSS <input type="text"/> mg/l
BOD5 <input type="text"/> mg/l	Cyanides <input type="text"/> mg/l	Pesticides <input type="text"/> mg/l	Zinc <input type="text"/> mg/l
Boron <input type="text"/> mg/l	Fluorides <input type="text"/> mg/l	pH <input type="text"/>	
Cadmium <input type="text"/> mg/l	Iron <input type="text"/> mg/l	Phenolic Compounds <input type="text"/> mg/l	
Chlorides <input type="text"/> mg/l			

## Province/Plant ID

PUNJAB IAAV

Edit

Save

Cancel

Main

SMART Plant Database  
Monitored Emissions

## Sampling Information

Process Emission Stack ☐Location 

## Laboratory

Name 

## Sample Analysis

Ammonia  mg/m<sup>3</sup>Antimony  mg/m<sup>3</sup>Arsenic  mg/m<sup>3</sup>Cadmium  mg/m<sup>3</sup>Chlorine  mg/m<sup>3</sup>CO  mg/m<sup>3</sup>

## Province/Plant ID

PUNJAB

Industry) Rule, 2001

Schedule VI

FORM B

Gaseous Effluents Monitoring Report

SMART Plant Database

Monitored Emissions

Normal Conditions

SMART

Sampling Information

Reported Data

Process Emission Stack ☐ Sampling Date  Time   
Location  Flow (m3/hr)

Period   
Reported Days  Hrs Per Day

Laboratory

Name  Address

Sample Analysis

Arsenic <input type="text"/> mg/m3	Copper <input type="text"/> mg/m3	NOx <input type="text"/> mg/m3
Antimony <input type="text"/> mg/m3	Hydrogen Fluoride <input type="text"/> mg/m3	Particulates <input type="text"/> mg/m3
Arsenic <input type="text"/> mg/m3	Hydrogen Sulphide <input type="text"/> mg/m3	Smoke <input type="text"/> Ringelman Scale
Cadmium <input type="text"/> mg/m3	Hydrogen Chloride <input type="text"/> mg/m3	SOx <input type="text"/> mg/m3
Chlorine <input type="text"/> mg/m3	Lead <input type="text"/> mg/m3	Zinc <input type="text"/> mg/m3
CO <input type="text"/> mg/m3	Mercury <input type="text"/> mg/m3	

Province/Plant ID

PUNJAB 1AAV

Conditions SMART  
Reported Data  
Period   
Reported Days  Hrs Per Day

Sulphur  mg/m3  
Sulphur  mg/m3  
TSS  mg/m3  
Total Chlorine  mg/m3  
TSS  mg/m3  
Zinc  mg/m3

**FORM C****Environmental Monitoring Report Cover Sheet**

SMART Plant Database

**Registration Information****Company**

Company Name	_____	Chief Executive	_____
Address 1	_____	Designation	_____
Address 2	_____	City Code	_____
City	_____	Post Code	_____
		E-mail	_____
		Phone	_____
		Fax	_____

**Plant**

Plant Name	_____	Contact Person	_____
Address 1	_____	Designation	_____
Address 2	_____	City Code	_____
City	_____	District	_____
		E-mail	_____
		Phone	_____
		Fax	_____

**Type**

Plant Type	_____		
Total Number of Streams	_____	Total Number of Combustion Slacks	_____
		Total Number of Process Slacks	_____
Plant Uses Chromium Based Chemicals for Water Treatment ? <input type="radio"/> Yes <input type="radio"/> No			

Province/Plant ID

PUNJAB 1AAV

Edit

Save

Cancel

Main

Priority Parameters for Monitoring

**Emission source**

Boiler, Ovens, Furnaces  
Kilns  
Gas Fired  
Oil Fired  
Coal  
Bagasse and Firewood  
Brick Kilns

Thermal Power Plant

Process Emissions

1. Process emissions involving Boilers, Ovens, furnaces and
  2. Metal analyses of all gaseous
- \* Priority parameters will be used.

**Schedule VII**

[See rule 9(3)]

**Priority Parameters for Monitoring of Gaseous Emissions**

SMAR No	Emission source	Priority Parameters <sup>2</sup> for Reporting
	Boiler, Ovens, Furnaces and Kilns Gas Fired Oil Fired Coal Bagasse and Firewood	CO, NOx CO, NOx, SOx, Particulates CO, NOx, SOx, Particulates CO, Particulates
	Brick Kilns	CO, NOx, SOx, Particulates
	Thermal Power Plants	SOx, NOx, Particulates
	Process Emissions	Particulates, Ammonia, Chlorine, H <sub>2</sub> S, fluoride, SOx, NOx, Co, Mercury*, Lead*, Zinc*, Cadmium*, Arsenic*, Antimony*

1. Process emissions involving fuel combustion will also include parameters as for Boilers, Ovens, furnaces and Kilns.
  2. Metal analyses of all gaseous emissions would be carried out once in two years.
- \* Priority parameters will be limited to those occurring in chemicals and raw-materials used.

**(QAZI GHULAM MUSTAFA)**  
Deputy Secretary

rt Cover Sheet

Save

Cancel

Main