

Section A: Industry Information				
A1.	<b>**Start Time</b>	__ __ hrs __ __ mins		
A2.	<b>**Date(DD/MM/YYYY)</b>	__ __ / __ __ / 20 __ __		
A3.	<b>**Industry ID</b>	GJS_ __ __ __		
Display Prefilled Industry Information				
	<b>Industry Name</b>			
	<b>Industry Address</b>			
	<b>Cluster</b>			
	<b>Pincode</b>	_____		
	<b>GPCB ID</b>			
A4.	<b>Is this information correct?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No → <i>Re-enter prefilled industry information</i>		
Section B: Survey Information				
B1.	<b>Surveyor Names</b>		<b>Surveyor Codes</b>	__ __
				__ __
B2.	<b>Supervisor name</b>		<b>Supervisor Code</b>	__ __
B3.	<b>Environmental Lab</b>	<i>Name of Lab</i>		
		Name of Employee		
		<b>Lab team code</b>	__ __	
B4.	<b>Energy Consultant</b>	<i>Name of Consultant</i>		
		Name of Employee		
		<b>Consultant team code</b>	__ __	
B5.	<b>Industry respondents</b> <i>(Please enter the name and contact details of any industry employees that answered questions)</i>	<b>Name</b>	<b>Designation</b>	<b>Contact Number</b>

## Section E &amp; F: Technical Details

E1.	Total Number of Stacks in the Industry	_____	E2.	Number of PM consent Stacks in the Industry, <i>excluding</i> the DG set stacks.	_____
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Stack Module (to be filled out for each PM Consent Stack)					
E3.1	Stack Name <i>(industry given)</i>		E3.2	Stack Height	_____  <input type="checkbox"/> Meters <input type="checkbox"/> Feet
E3.3	Stack Diameter	_____	E3.4	Number of sampling ports	_____
		<input type="checkbox"/> Inches <input type="checkbox"/> Millimeters <input type="checkbox"/> Feet <input type="checkbox"/> Meters			
E3.5	Height of Sampling Port from the Flue Gas Duct Inlet	_____	E3.6	Type of Stack	1. <input type="checkbox"/> Process 2. <input type="checkbox"/> Combustion
		<input type="checkbox"/> Meters <input type="checkbox"/> Feet			
E3.7	Is there a continuous emission system (CEMS) installed in the stack?	<input type="checkbox"/> Yes <input type="checkbox"/> No			
E3.8	Number of parallel chains	_____			

Parallel Chain Module: Fill out for every parallel chain in the stack <i>(to be repeated "E3.8" number of times)</i>		
F1.1	What is the emission source?	1. <input type="checkbox"/> Boiler 2. <input type="checkbox"/> Thermo-Pack/Thermic Fluid Heater 3. <input type="checkbox"/> Furnace/Kiln
F1.2	How many components in the parallel chain?	_____
F1.3	What is the 1 <sup>st</sup> component in the parallel chain?	1. <input type="checkbox"/> Gravity Settling Process 2. <input type="checkbox"/> Air pre-heater 3. <input type="checkbox"/> Water pre-heater/economizer 4. <input type="checkbox"/> Cyclone 5. <input type="checkbox"/> Scrubber

		6. <input type="checkbox"/> Bag Filter 7. <input type="checkbox"/> ESP 8. <input type="checkbox"/> FD/ID Fan
F1.4	Is this component common to the previous parallel chain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
F1.5	What is the 2 <sup>nd</sup> component in the parallel chain?	1. <input type="checkbox"/> Gravity Settling Process 2. <input type="checkbox"/> Air pre-heater 3. <input type="checkbox"/> Water pre-heater/economizer 4. <input type="checkbox"/> Cyclone 5. <input type="checkbox"/> Scrubber 6. <input type="checkbox"/> Bag Filter 7. <input type="checkbox"/> ESP 8. <input type="checkbox"/> FD/ID Fan
F1.6	Is this component common to the previous parallel chain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
F1.7	What is the 3 <sup>rd</sup> component in the parallel chain?	1. <input type="checkbox"/> Gravity Settling Process 2. <input type="checkbox"/> Air pre-heater 3. <input type="checkbox"/> Water pre-heater/economizer 4. <input type="checkbox"/> Cyclone 5. <input type="checkbox"/> Scrubber 6. <input type="checkbox"/> Bag Filter 7. <input type="checkbox"/> ESP 8. <input type="checkbox"/> FD/ID Fan
F1.8	Is this component common to the previous parallel chain?	<input type="checkbox"/> Yes <input type="checkbox"/> No
F1.9	What is the 4 <sup>th</sup> component in the parallel chain?	1. <input type="checkbox"/> Gravity Settling Process 2. <input type="checkbox"/> Air pre-heater 3. <input type="checkbox"/> Water pre-heater/economizer 4. <input type="checkbox"/> Cyclone

		<p>5. <input type="checkbox"/> Scrubber</p> <p>6. <input type="checkbox"/> Bag Filter</p> <p>7. <input type="checkbox"/> ESP</p> <p>8. <input type="checkbox"/> FD/ID Fan</p>
F1.10	Is this component common to the previous parallel chain?	<p><input type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p>

F2.	Take a picture of your Parallel Chain sketch.	<i><u>(Allow respondent to take a picture.)</u></i>
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Section G1: Boilers			
G1.1	How many boilers do you have? (operational and non-operational)	1. <input type="checkbox"/> 0 → <u>Skip this section, go to Section G2</u> 2. <input type="checkbox"/> 1 3. <input type="checkbox"/> 2 4. <input type="checkbox"/>   _____	
Boiler Module: Fill out for every boiler (to be repeated "G1.1" number of times)			
G1.2	Is this boiler operational at the time of the survey?	<input type="checkbox"/> Yes → <u>SKIP TO G1.5</u> <input type="checkbox"/> No → <u>SKIP QUESTIONS G1.22 AND G1.23</u>	
G1.3	Why is this boiler not operational?	1. <input type="checkbox"/> Under Maintenance 2. <input type="checkbox"/> Not in Use 3. <input type="checkbox"/> Other (specify) _____	
G1.4	How long has this boiler not been operational?	_dd_ / _mm_ / _yy_	
G1.5	Manufacturer Name	G1.5.1	Model Name
G1.6	Manufacturer Year		
G1.7	Registration Number		
G1.8	Manufacturer Contact		
G1.9	Type of Boiler	1. <input type="checkbox"/> Fire Tube 2. <input type="checkbox"/> Water Tube 3. <input type="checkbox"/> Packaged Boiler 4. <input type="checkbox"/> Others (specify): _____	
G1.10	Steam Generating Capacity	_____	<input type="checkbox"/> kg/hr <input type="checkbox"/> TPH <input type="checkbox"/> Other
G1.11	Which of the following types of fuel does this boiler use?	1. <input type="checkbox"/> Coal (Indian); Specify Grade _____ 2. <input type="checkbox"/> Coal (Imported); Specify Country _____ 3. <input type="checkbox"/> Coke 4. <input type="checkbox"/> Lignite 5. <input type="checkbox"/> Pet Coke 6. <input type="checkbox"/> Other Solid Fuel (specify): _____ 7. <input type="checkbox"/> Wood 8. <input type="checkbox"/> Bagasse 9. <input type="checkbox"/> Rice Husk 10. <input type="checkbox"/> Other Biomass (specify): _____ 11. <input type="checkbox"/> Mix Indian + Imported Coal 12. <input type="checkbox"/> Mix Indian Coal + Wood	

		13. <input type="checkbox"/> Mix Lignite + Wood	
<b>Fuel Module: Fill out for every fuel checked in G1.11</b>			
G1.12.1	Amount of this fuel used per month	_____   Metric Ton/month	
G1.12.2	Fuel Processing Method	1. <input type="checkbox"/> None 2. <input type="checkbox"/> Grinding 3. <input type="checkbox"/> Pulverization 4. <input type="checkbox"/> Others (specify): _____	
G1.12.3	How many times per month is this fuel delivered?	_____   times/month	
G1.12.4	Do you have a closed, covered, or dust-free system to store the fuel?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No	
G1.12.5	Do you have a closed, covered, or dust-free system to convey the fuel?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No	
<b>End of fuel module</b>			
G1.13	Type of Fuel Firing	1. <input type="checkbox"/> Manual 2. <input type="checkbox"/> Fluidized 3. <input type="checkbox"/> Burner 4. <input type="checkbox"/> Other (specify): _____	
G1.14	Type of Control	1. <input type="checkbox"/> Manual Control    2. <input type="checkbox"/> Automatic Control	
		<i>(numeric values only)</i>	<b>Unit of Measurement</b>
G1.15	Furnace Area		<input type="checkbox"/> Meters squared <input type="checkbox"/> Feet squared <input type="checkbox"/> Other
G1.16	Air Box Size	_____   x   _____   x   _____	<input type="checkbox"/> mm x mm x mm <input type="checkbox"/> in x in x in <input type="checkbox"/> ft x ft x ft <input type="checkbox"/> Other
G1.17	Nos. of Nozzle		Nos.
G1.18.1	FD Fan	Capacity	<input type="checkbox"/> Cubic meter/min <input type="checkbox"/> Cubic meter/hr <input type="checkbox"/> Other

G1.18.2		Power		<input type="checkbox"/> KW <input type="checkbox"/> HP <input type="checkbox"/> Other
G1.19.1	How many PA Fans are there?		<input type="checkbox"/> 0 → <u>Skip to G1.20</u> <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/>  _____	
<b>PA Fan Module: Fill out for every PA Fan (to be repeated "G1.19.1" number of times)</b>				
G1.19.2	Capacity		_____	<input type="checkbox"/> Cubic meter/min <input type="checkbox"/> Cubic meter/hr <input type="checkbox"/> Other
G1.19.3	Power		_____	<input type="checkbox"/> KW <input type="checkbox"/> HP <input type="checkbox"/> Other
<b>End of PA Fan module</b>				
G1.20	Designed Steam Pressure			<input type="checkbox"/> KPa <input type="checkbox"/> BAR <input type="checkbox"/> kg/cm <sup>2</sup> <input type="checkbox"/> Other
G1.21	Designed steam Temperature			Degree Celsius
G1.22	Running Load		_____	<input type="checkbox"/> TPH <input type="checkbox"/> Other
G1.23	Fuel Feed Rate			kg/hour
G1.24	Rated (designed) efficiency of boiler			%
G1.25	Year boiler was installed		_ _ _ _	Year
G1.26	Cost of Installation and Commissioning ( <i>boiler only</i> )			<input type="checkbox"/> Lakh <input type="checkbox"/> Crore <input type="checkbox"/> Other
G1.27	Annual Operating cost of the boiler ( <i>Include: Power, Water Consumption, Labor cost and other daily costs</i> ) ( <u>Do NOT include fuel costs</u> )			<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other

G1.28	Annual Maintenance cost of the boiler (Include: Equipment Repair, Cleaning)		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
G1.29	Number of Days this boiler operates	_ _ _ _	1. <input type="checkbox"/> Days/Year 2. <input type="checkbox"/> Days/ Month
G1.30	Has this Boiler ever undergone major modifications?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <b><u>Skip to G1.34</u></b>	
G1.31	Which year did the latest modifications take place?	_ _ _ _	
G1.32	How much did the modifications cost?		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other



G1.33	Is the feed water treated?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No <u>-&gt;Skip to G1.35</u>		
G1.34	Type of Treatment	1. <input type="checkbox"/> Water Softening System 2. <input type="checkbox"/> Sand Filter 3. <input type="checkbox"/> Carbon Filter 4. <input type="checkbox"/> Reverse Osmosis 5. <input type="checkbox"/> Other (specify): _____		
G1.35	What Waste Heat Recovery device is installed? (tick all that apply)	1. <input type="checkbox"/> Water pre-heater <u>→ Go to G1.36</u> 2. <input type="checkbox"/> Economizer <u>→ Go to G1.36</u> 3. <input type="checkbox"/> Air pre-heater <u>→ Skip to G1.37</u> 4. <input type="checkbox"/> None <u>→ Skip to G1.38</u> 5. <input type="checkbox"/> Other (specify): _____ <u>→ Skip to G1.38</u>		
G1.36.1	Water pre-heater	No. of Tubes		Nos.
G1.36.2		Diameter of Tubes		<input type="checkbox"/> Millimeters <input type="checkbox"/> Feet <input type="checkbox"/> Inches <input type="checkbox"/> Other
G1.36.3		Length of Tubes		<input type="checkbox"/> Meters <input type="checkbox"/> Feet <input type="checkbox"/> Other
G1.36.4		Heating Surface		<input type="checkbox"/> Meters squared <input type="checkbox"/> Feet squared <input type="checkbox"/> Other
G1.36.5		Is the WPH insulated? (surveyor should observe)		1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No
G1.37.1		Air pre-heater	No. of Tubes	
G1.37.2	Diameter of Tubes			<input type="checkbox"/> Millimeters <input type="checkbox"/> Feet <input type="checkbox"/> Inches <input type="checkbox"/> Other
G1.37.3	Length of Tubes			<input type="checkbox"/> Meters <input type="checkbox"/> Feet <input type="checkbox"/> Other
G1.37.4	Number of Pass		<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> Other (specify): _____	
G1.37.5	Is the APH insulated? (surveyor)			<input type="checkbox"/> Yes <input type="checkbox"/> No

		<i>should observe)</i>		
G1.38	Is the feed water tank insulated?		1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No	
G1.39	Is there a boiler engineer?		3. <input type="checkbox"/> Yes 4. <input type="checkbox"/> No	
G1.40	Is there a boiler master?		1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No	
G1.41	Number of Boiler Operators		_ _	
G1.42	Do you clean the Boiler?		1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No -> <b><u>End this section</u></b>	
G1.43	Last time Boiler was cleaned?		_ _ / _ _ / _ _ _ _	
G1.44	Boiler Cleaning Method		1. <input type="checkbox"/> Washing 2. <input type="checkbox"/> Scrubbing 3. <input type="checkbox"/> Scrapping 4. <input type="checkbox"/> Other ( <i>specify</i> ): _____	
G1.45	Boiler Cleaning Frequency		1. <input type="checkbox"/> Once in a week 2. <input type="checkbox"/> <b>Once in 15 days</b> 3. <input type="checkbox"/> Once in a month 4. <input type="checkbox"/> Once in six month 5. <input type="checkbox"/> <b>Once in a year</b> 6. <input type="checkbox"/> <b>Never</b>	

Section G2: Thermopacks/Thermic Fluid Heaters			
G2.1	How many thermopacks do you have? (operational and non-operational)	1. <input type="checkbox"/> 0 → <u>Skip this section, go to Section G3</u> 2. <input type="checkbox"/> 1 3. <input type="checkbox"/> 2 <input type="checkbox"/>   _____	
<b>Thermopack Module: Fill out for every Thermopack (to be repeated "G2.1" number of times)</b>			
G2.2	Is this thermopack operational at the time of the survey?	<input type="checkbox"/> Yes → <u>SKIP to G2.5</u> <input type="checkbox"/> No → <u>SKIP question G2.26</u>	
G2.3	Why is this thermopack not operational?	1. <input type="checkbox"/> Under Maintenance 2. <input type="checkbox"/> Not in Use <input type="checkbox"/> Other (specify) _____	
G2.4	How long has this thermopack not been operational?	_dd_ / _mm_ / _yy_	
G2.5	Manufacturer Name	G2.5.1	Model Name
G2.6	Manufacturer Contact		
G2.7	Manufacturer Year		
G2.8	Type of control	1. <input type="checkbox"/> Manual Control      2. <input type="checkbox"/> Automatic Control	
G2.9	Which of the following types of fuel does this boiler use?	1. <input type="checkbox"/> Coal (Indian); Specify Grade _____ 2. <input type="checkbox"/> Coal (Imported); Specify Country _____ 3. <input type="checkbox"/> Coke 4. <input type="checkbox"/> Lignite 5. <input type="checkbox"/> Pet Coke 6. <input type="checkbox"/> Other Solid Fuel (specify): _____ 7. <input type="checkbox"/> Wood 8. <input type="checkbox"/> Bagasse 9. <input type="checkbox"/> Rice Husk 10. <input type="checkbox"/> Other Biomass (specify): _____ 11. <input type="checkbox"/> Mix Indian + Imported Coal 12. <input type="checkbox"/> Mix Indian Coal + Wood 13. <input type="checkbox"/> Mix Lignite + Wood	
<b>Fuel Module: Fill out for every fuel checked in G2.9</b>			
G2.10.1	Amount of this fuel used per month	_____  Metric Ton/month	
G2.10.2	Fuel Processing Method	1. <input type="checkbox"/> None 2. <input type="checkbox"/> Grinding 3. <input type="checkbox"/> Pulverization 4. <input type="checkbox"/> Others (specify): _____	
<b>End of fuel module</b>			

G2.11	Type of Fuel Firing		1. <input type="checkbox"/> Manual 2. <input type="checkbox"/> Automatic FBC 3. <input type="checkbox"/> Bubbling Bed 4. <input type="checkbox"/> Other (specify): _____
			(numeric values only)
			Unit of Measurement
G2.12	Thermopack Capacity		<input type="checkbox"/> mKcal/hr <input type="checkbox"/> Kcal/hr <input type="checkbox"/> U <input type="checkbox"/> Other
G2.13	Heating Surface (HTA)		<input type="checkbox"/> Meters squared <input type="checkbox"/> Feet squared <input type="checkbox"/> Other
G2.14	Furnace Area		<input type="checkbox"/> Meters squared <input type="checkbox"/> Feet squared <input type="checkbox"/> Other
G2.15	Air Box Size		<input type="checkbox"/> mm x mm x mm <input type="checkbox"/> in x in x in <input type="checkbox"/> ft x ft x ft <input type="checkbox"/> Other
G2.16	Nos. of Nozzle		Nos.
G2.17.1	Oil Circulating Pump	Capacity	<input type="checkbox"/> Cubic meter/min <input type="checkbox"/> Cubic meter/hr <input type="checkbox"/> Other
G2.17.2		Volume	<input type="checkbox"/> Cubic meter <input type="checkbox"/> Cubic feet <input type="checkbox"/> Other
G2.17.3		Head	Meters
G2.17.4		Power	<input type="checkbox"/> KW <input type="checkbox"/> HP <input type="checkbox"/> Other
G2.18.1	FD Fan	Capacity	<input type="checkbox"/> Cubic meter/min <input type="checkbox"/> Cubic meter/hr <input type="checkbox"/> Other
G2.18.2		Power	<input type="checkbox"/> KW <input type="checkbox"/> HP <input type="checkbox"/> Other
G2.19.1	How many PA Fans are there?		<input type="checkbox"/> 0 → <u>Skip to G1.20</u> <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> _____

PA Fan Module: Fill out for every PA Fan <i>(to be repeated "G2.19.1" number of times)</i>			
G2.19.2	Capacity		<input type="checkbox"/> Cubic meter/min <input type="checkbox"/> Cubic meter/hr <input type="checkbox"/> Other
G2.19.3	Power		<input type="checkbox"/> KW <input type="checkbox"/> HP <input type="checkbox"/> Other
<b>End of PA Fan module</b>			
G2.20	Rated (designed) efficiency of Thermopack <i>(check with manufacturer)</i>	_ _	%
G2.21	Year this Thermopack was installed	_ _ _ _	Year (already covered)
G2.22	Cost of Installation and Commissioning <i>(thermopack only)</i>		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
G2.23	Annual Operating cost of the Thermopack <i>(Include: Power Consumption, Labor cost and other daily costs)(do NOT include fuel costs)</i>		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
G2.24	Annual Maintenance cost of the Thermopack <i>(Include: Equipment Repair, Cleaning)</i>		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
G2.25	Number of days thermopack operates	_ _ _	1. <input type="checkbox"/> Days/ year 2. <input type="checkbox"/> Days/ Month
G2.26	Fuel feed rate		kg/hr
G2.27	Has this thermopack ever undergone major modifications?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <b><u>Skip to G2.30</u></b>	
G2.28	Which year did the latest modifications take place?	_ _ _ _	Year
G2.29	How much did the modifications cost?		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh
G2.30	What Waste Heat Recovery device is installed? <i>(tick all that apply)</i>	1. <input type="checkbox"/> Water pre-heater → <b><u>Show Water pre-heater section, then SKIP to G2.33</u></b> 2. <input type="checkbox"/> Economizer → <b><u>Show Water pre-heater section, then SKIP to G2.33</u></b> 3. <input type="checkbox"/> Air pre-heater → <b><u>Skip to G2.32.1</u></b> 4. <input type="checkbox"/> None → <b><u>Skip to G2.33</u></b> 5. <input type="checkbox"/> Other (specify): _____ → <b><u>Skip to G2.33</u></b>	

G2.31.1	Water pre-heater	No. of Tubes		Nos.
G2.31.2		Diameter of Tubes		<input type="checkbox"/> Millimeters <input type="checkbox"/> Feet <input type="checkbox"/> Inches <input type="checkbox"/> Other
G2.31.3		Length of Tubes		<input type="checkbox"/> Meters <input type="checkbox"/> Feet <input type="checkbox"/> Other
G2.31.4		Diameter and Length of Shell		<input type="checkbox"/> $\emptyset$ x Length <input type="checkbox"/> Other
G2.31.5		Heating Surface		<input type="checkbox"/> Meters squared <input type="checkbox"/> Feet squared <input type="checkbox"/> Other
G2.31.6		Is the WPH insulated? <i>(surveyor should observe)</i>		1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No
G2.32.1	Air pre-heater	No. of Tubes		Nos.
G2.32.2		Diameter of Tubes		<input type="checkbox"/> Millimeters <input type="checkbox"/> Feet <input type="checkbox"/> Inches <input type="checkbox"/> Other
G2.32.3		Length of Tubes		<input type="checkbox"/> Meters <input type="checkbox"/> Feet <input type="checkbox"/> Other
G2.32.4		Number of Pass	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> Other <i>(specify):</i> _____	
G2.32.5		Heating Surface		<input type="checkbox"/> Meters squared <input type="checkbox"/> Feet squared <input type="checkbox"/> Other
G2.32.6		Is the APH insulated? <i>(surveyor should observe)</i>		1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No
G2.33	Is there an engineer for Thermopack?		1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No	

G2.34	Is the operating team of Thermopack same as Boiler?	1. <input type="checkbox"/> Yes → <b><u>Skip to G2.36</u></b> 2. <input type="checkbox"/> No
G2.35	Number of Thermopack Operators	_ _
G2.36	Do you Clean Thermopack?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <b><u>End this Section</u></b>
G2.37	When was the last time Thermopack cleaned?	_ _ / _ _ / _ _ _ _
G2.38	Thermopack Cleaning Method	1. <input type="checkbox"/> Washing 2. <input type="checkbox"/> Scrubbing 3. <input type="checkbox"/> Scrapping 4. <input type="checkbox"/> Other ( <i>specify</i> ): _____
G2.39	Thermopack Cleaning Frequency	1. <input type="checkbox"/> Once in a week 2. <input type="checkbox"/> Once in 15 days 3. <input type="checkbox"/> Once in a month 4. <input type="checkbox"/> Once in six month 5. <input type="checkbox"/> Once in a year 6. <input type="checkbox"/> Never

## Section G3: Furnaces/ Kilns

G3.1	How many furnaces do you have? (operational and non-operational)	1. <input type="checkbox"/> 0 → <u>Skip this section, go to Section H1</u> 2. <input type="checkbox"/> 1 3. <input type="checkbox"/> 2 <input type="checkbox"/>   _____	
<b>Furnace Module: Fill out for every furnace (to be repeated "G3.1" number of times)</b>			
G3.2	Is this furnace operational at the time of the survey?	<input type="checkbox"/> Yes → <u>Skip to G3.5</u> <input type="checkbox"/> No → <u>Skip question G3.20</u>	
G3.3	Why is this furnace not operational?	1. <input type="checkbox"/> Under Maintenance 2. <input type="checkbox"/> Not in Use 3. <input type="checkbox"/> Other (specify) _____	
G3.4	How long has this furnace not been operational?	_dd_ / _mm_ / _yy_	
G3.5	Manufacturer Name:	G3.5.1	Model Name:
G3.6	Manufacturer Contact		
G3.7	Type of Furnace/Kiln		
		(numeric values only)	Unit of Measurement
G3.8	Capacity of Furnace/Kiln		Tons/melt
G3.9	Furnace Cycle Time		hour/melt
G3.10	Rated efficiency of Furnace		%
G3.11	Year of equipment purchase	_ _ _ _	
G3.12	Cost of Installation and Commissioning		<input type="checkbox"/> Lakh <input type="checkbox"/> Crore <input type="checkbox"/> Other
G3.13	Annual Operating cost of the Furnace (Do NOT include fuel costs)		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
G3.14	Annual Maintenance cost of the Furnace		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
G3.15	Number of days this furnace operates		1. <input type="checkbox"/> Days/ year 2. <input type="checkbox"/> Days/ Month
G3.16	Has this equipment ever undergone major modifications?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <u>Skip to G3.19</u>	



G3.17	Which year did this modifications take place?	_ _ _ _	
G3.18	How much did the modifications cost?		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Crore
G3.19	Burning Losses	_ _	%
G3.20	<b>**Do you see fugitive emissions from the furnace?</b> <i>(this should be observed by the surveyor)</i>	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No	

## Section H1: Gravity Settling Chamber

H1.1	How many GSCs do you have? (operational and non-operational)	1. <input type="checkbox"/> 0 → <u>Skip this section, go to Section H2</u> 2. <input type="checkbox"/> 1 3. <input type="checkbox"/> 2 4. <input type="checkbox"/>  _____		
<b>GSC Module: Fill out for every GSC (to be repeated "H1.1" number of times)</b>				
H1.2	Is this Gravity Settling Chamber operational at the time of the survey?	<input type="checkbox"/> Yes → <u>Skip to H1.5</u> <input type="checkbox"/> No		
H1.3	Why the Gravity Settling Chamber is not operational?	1. <input type="checkbox"/> Under Maintenance 2. <input type="checkbox"/> Not in Use 3. <input type="checkbox"/> Others (specify) _____		
H1.4	Since when the Gravity Settling Chamber is not operational?	_dd_ / _mm_ / _yr_		
H1.5	Manufacturer Name:		H1.5.1	Model Name
H1.6	Manufacturer Contact			
H1.7	Rated Efficiency of the APCD	_ _  %		
H1.8	Year of equipment purchase	_ _ _ _		
H1.9	Cost of Installation and Commissioning			<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H1.10	Annual power consumption costs and labor costs of this Gravity Settling Chamber			<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H1.11	Annual Maintenance cost of this Gravity Settling Chamber (Include: Equipment Repair, Cleaning)			<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H1.12	Has this equipment ever undergone major modifications?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <u>Skip to H1.15</u>		
H1.13	Which year did the most recent modifications take place?	_ _ _ _		
H1.14	How much did the modifications cost?			<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh
H1.15	Method of Dust Removal from Gravity Settling Chamber	1. <input type="checkbox"/> Manual 2. <input type="checkbox"/> Continuous 3. <input type="checkbox"/> Other (specify): _____		

H1.16	Frequency of Dust Collection	_ _	No of times/month
H1.17	Average Quantity of Dust Collected per day		Kg

H1.18	The Last time Chamber was cleaned	_ _ / _ _ / _ _ _ _	
H1.19	Frequency of Chamber Cleaning		No of times/year
H1.20	Cleaning Method	1. <input type="checkbox"/> Washing 2. <input type="checkbox"/> Scrubbing 3. <input type="checkbox"/> Scrapping 4. <input type="checkbox"/> Other (specify): _____	

## Section H2: Cyclone

H2.1	How many cyclones do you have? ( <i>operational and non-operational</i> )	1. <input type="checkbox"/> 0 → <u>Skip this section, go to Section H3</u> 2. <input type="checkbox"/> 1 3. <input type="checkbox"/> 2 4. <input type="checkbox"/>   _____		
<b>Cyclone Module: Fill out for every Cyclone (<i>to be repeated "H2.1" number of times</i>)</b>				
H2.2	Is this Cyclone operational at the time of the survey?	<input type="checkbox"/> Yes → <u>Skip to H2.5</u> <input type="checkbox"/> No		
H2.3	Why the Cyclone is not operational?	1. <input type="checkbox"/> Under Maintenance 2. <input type="checkbox"/> Not in Use 3. <input type="checkbox"/> Others ( <i>specify</i> ) _____		
H2.4	Since when Cyclone is not operational?	_dd_ / _mm_ / _yy_		
H2.5	Details of Cyclones (Report the no. of cones and their dimensions in this question)	Number (in Nos.)	Height (in Meter)	Diameter (in Meter)
H2.6	Manufacturer Name		H2.6.1	Model Name
H2.7	Manufacturer Contact			
H2.8	Rated (designed) Efficiency of the APCD	_ _  %		
H2.9	Year of equipment purchase	_ _ _ _		
H2.10	Cost of Installation and Commissioning			<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H2.11	Annual power consumption costs and labor costs of the Cyclone			<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H2.12	Annual Maintenance cost of the Cyclone ( <i>Include: Equipment Repair, Cleaning</i> )			<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H2.13	Has this equipment ever undergone major modifications?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <u>Skip to H2.16</u>		
H2.14	Which year did the recent modifications take place?	_ _ _ _		
H2.15	How much did the modifications cost?			<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh

			<input type="checkbox"/> Other
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H2.16	Method of Dust Removal from Cyclone	1. <input type="checkbox"/> Manual 2. <input type="checkbox"/> Continuous 3. <input type="checkbox"/> Other ( <i>specify</i> ): _____	
H2.17	Frequency of Dust Collection		No of times/month
H2.18	Average Quantity of Dust Collected per day		kg/day
H2.19	Cyclone bottom opening air tight/leak proof?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No	

Section H3: Scrubber			
H3.1	How many scrubbers do you have? ( <i>operational and non-operational</i> )	1. <input type="checkbox"/> 0 → <u>Skip this section, go to Section H4</u> 2. <input type="checkbox"/> 1 3. <input type="checkbox"/> 2 4. <input type="checkbox"/>  _____	
<b>Scrubber Module: Fill out for every Scrubber (<i>to be repeated "H3.1" number of times</i>)</b>			
H3.2	Is this Scrubber operational at the time of the survey?	<input type="checkbox"/> Yes → <u>Skip to H3.5</u> <input type="checkbox"/> No	
H3.3	Why the Scrubber is not operational?	1. <input type="checkbox"/> Under Maintenance 2. <input type="checkbox"/> Not in Use 1. <input type="checkbox"/> Others ( <i>specify</i> ) _____	
H3.4	Since when Scrubber is not operational?	_dd_  /  _mm_  /  __yyyy__	
H3.5	Type of Design	1. <input type="checkbox"/> Ventury 2. <input type="checkbox"/> Tower	
H3.6	Water Circulation Pump capacity		1. <input type="checkbox"/> kL/hr 2. <input type="checkbox"/> Cubic meter/sec 3. <input type="checkbox"/> Other
H3.7	Flue Gas Capacity		<input type="checkbox"/> Cubic meter/min <input type="checkbox"/> Cubic meter/hr <input type="checkbox"/> Other
H3.8	Flue Gas Velocity		<input type="checkbox"/> <b>Meter/sec</b> <input type="checkbox"/> <b>Other</b>
H3.9	Installation before ID Fan?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No	
H3.11	Manufacturer Name:	H3.11.1	Model Name
H3.12	Manufacturer Contact		
H3.13	Type of Scrubber <i>(tick more than one if necessary)</i>	1. <input type="checkbox"/> Simple 2. <input type="checkbox"/> Spray 3. <input type="checkbox"/> Packed Bed 4. <input type="checkbox"/> Impingement	5. <input type="checkbox"/> Venturi 6. <input type="checkbox"/> Dry 7. <input type="checkbox"/> Other ( <i>specify</i> ): _____
H3.14	Rated Efficiency of the Scrubber	_ _  %	

H3.15	Year of purchase of this scrubber	_ _ _ _ _	
H3.16	Cost of Installation and Commissioning		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H3.17	Annual power consumption costs and labor costs of this Scrubber		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H3.18	Annual Maintenance Cost of this Scrubber (Include: Equipment Repair, Repainting, Cleaning Cost)		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H3.19	Has this scrubber ever undergone major modifications?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <u>Skip to H3.22</u>	
H3.20	Which year did the most recent modifications take place?	_ _ _ _ _	
H3.21	How much did the modifications cost?		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H3.22	Is “demister” installed?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No	
H3.23	Cleaning Frequency (times per year)		
H3.24	Last cleaning date	_ _ _ / _ _ _ / _ _ _ _ _	
H3.25	Cleaning Method	1. <input type="checkbox"/> Washing 2. <input type="checkbox"/> Scrubbing 3. <input type="checkbox"/> Scrapping 4. <input type="checkbox"/> Other (specify): _____	

## Section H4: Bag Filter

H4.1	How many bag filters do you have? (operational and non-operational)	1. <input type="checkbox"/> 0 → <u>Skip this section, go to Section H5</u> 2. <input type="checkbox"/> 1 3. <input type="checkbox"/> 2 4. <input type="checkbox"/>   _____			
<b>Bag Filter Module: Fill out for every Bag Filter (to be repeated "H4.1" number of times)</b>					
H4.2	Is this Bag Filter operational at the time of the survey?	<input type="checkbox"/> Yes → <u>Skip to H4.5</u> <input type="checkbox"/> No			
H4.3	Why the Bag Filter is not operational?	1. <input type="checkbox"/> Under Maintenance 2. <input type="checkbox"/> Not in Use 3. <input type="checkbox"/> Others (specify) _____			
H4.4	Since when Bag Filter is not operational?	_dd_ / _mm_ / _yr_			
H4.5	Type of Bag filter	1. <input type="checkbox"/> Reverse air type Fabric Filter → <u>Skip H4.6</u> 2. <input type="checkbox"/> Pulse Jet Bag filter → <u>Go to Question H4.6</u> 3. <input type="checkbox"/> Shaker type Bag filter → <u>Skip H4.6, H4.8 and H4.9!</u> 4. <input type="checkbox"/> Other (specify): _____ → <u>Skip H4.6</u>			
H4.6	If this is a pulsejet filter, how many pulses per minute?	_ _ _			
H4.7	Details of Bags (Report the no. of bags and their dimensions in this question)	Number (in Nos.)	Length (in Meter)	Height (in Meter)	Diameter (in Meter)
H4.8	Number of Solenoid Valves				
H4.9	Compressor	<input type="checkbox"/> KW <input type="checkbox"/> HP <input type="checkbox"/> Other			
H4.10	Flue Gas Capacity	<input type="checkbox"/> Cubic meter/min <input type="checkbox"/> Cubic meter/hr <input type="checkbox"/> Other			
H4.11	Flue Gas Velocity	<input type="checkbox"/> Meter/sec <input type="checkbox"/> Other			
H4.12	Is there any bag torn/broken in any way?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No			



H4.13	Manufacturer Name:		H4.13.1	Model Name	
H4.14	Manufacturer Contact				
H4.15	Rated Efficiency of this Bag Filter	_ _  %			
H4.16	Year of equipment purchase	_ _ _ _			
H4.17	Cost of Installation and Commissioning				<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H4.18	Annual power consumption costs and labour costs of this bag filter				<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H4.19	Annual maintenance cost of this APCD ( <i>INCLUDE compressor and bag replacement costs, equipment repair</i> )				<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H4.20	Has this equipment ever undergone major modifications?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <b><u>Skip to H4.23</u></b>			
H4.21	Which year did the most recent modifications take place?	_ _ _ _			
H4.22	How much did the modifications cost?				<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H4.23	Total no. of Filter Bags fitted inside bag house				Nos
H4.24	Number of replacement bags purchased last year				Nos
H4.25	Last time Chamber was cleaned	_ _ / _ _ / _ _ _ _			
H4.26	Cleaning Frequency (times per year)				
H4.27	Cleaning Method	1. <input type="checkbox"/> Bag Washing 2. <input type="checkbox"/> Scrubbing 3. <input type="checkbox"/> Scrapping 4. <input type="checkbox"/> Other ( <i>specify</i> ): _____			

Section H5: ESP				
H5.1	How many ESPs do you have? (operational and non-operational)	1. <input type="checkbox"/> 0 → <u>Skip this section, go to Section I</u> 2. <input type="checkbox"/> 1 3. <input type="checkbox"/> 2 4. <input type="checkbox"/>   _____		
<b>ESP Module: Fill out for every ESP (to be repeated "H5.1" number of times)</b>				
H5.2	Is this ESP operational at the time of the survey?	<input type="checkbox"/> Yes → <u>Skip to H5.5</u> <input type="checkbox"/> No		
H5.3	Why the ESP is not operational?	1. <input type="checkbox"/> Under Maintenance 2. <input type="checkbox"/> Not in Use 3. <input type="checkbox"/> Others (specify) _____		
H5.4	Since when ESP is not operational?	_dd_ / _mn_ / _yr_		
H5.5	Type of ESP <i>(Tick more than one option if necessary)</i>	1. <input type="checkbox"/> Plate & Wire 2. <input type="checkbox"/> Tabular ESP 3. <input type="checkbox"/> Wet ESP 4. <input type="checkbox"/> Two Stage Precipitator	5. <input type="checkbox"/> Hot Stage Precipitator 6. <input type="checkbox"/> Cold Stage Precipitator 7. Dry stage precipitator 8. <input type="checkbox"/> Other (specify): _____	
H5.6	Details of ESP (Report the no. of fields, electrode plates and their dimensions in this question)	Number of Fields (in Nos.)	Number of Electrode Plates (in Nos.)	Total Collection Area (in meter square)
H5.7	**No. of fields in operation (at the time of survey)	Nos.		
H5.8	What is the treatment time?	1. <input type="checkbox"/> 15 secs 2. <input type="checkbox"/> 30 secs 3. <input type="checkbox"/> 45 secs 4. <input type="checkbox"/> 60 secs 5. <input type="checkbox"/> Other: (specify)_____		
H5.9	Flue Gas Capacity	<input type="checkbox"/> Cubic meter/min <input type="checkbox"/> Cubic meter/hr <input type="checkbox"/> Other		
H5.10	Flue Gas Velocity	<input type="checkbox"/> Meter/sec <input type="checkbox"/> Other		
H5.11	Installation before ID Fan?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No		
H5.12	Manufacturer Name:		H5.12.1	Model Name

H5.13	Manufacturer Contact	
H5.14	Rated Efficiency of ESP	_ _ _  %
H5.15	Year of equipment purchase	_ _ _ _ _
H5.16	Cost of Installation and Commissioning	<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H5.17	Annual power consumption costs and labor costs of this ESP	<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H5.18	Annual Maintenance cost of this ESP (Include: Equipment Repair)	<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H5.19	Has this equipment ever undergone major modifications?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <b>Skip to H5.22</b>
H5.20	Which year did the most recent modifications take place?	_ _ _ _ _
H5.21	How much did the modifications cost?	<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh <input type="checkbox"/> Other
H5.22	Method of Dust Removal from ESP	1. <input type="checkbox"/> Manual 2. <input type="checkbox"/> Continuous 3. <input type="checkbox"/> Other (Specify) _____
H5.23	Last time Equipment was cleaned	_ _ _ / _ _ _ / _ _ _ _ _
H5.24	Cleaning Frequency (times per year)	_____  times/year
H5.25	Method of Cleaning	1. <input type="checkbox"/> Scrubbing 2. <input type="checkbox"/> Scrapping 3. <input type="checkbox"/> Hammering 4. <input type="checkbox"/> Other (specify): _____

## Attachment I: ID Fans

I1	How many ID Fans do you have? (operational and non-operational)	1. <input type="checkbox"/> 0 → <u>Skip this section, go to Section J</u> 2. <input type="checkbox"/> 1 3. <input type="checkbox"/> 2 4. <input type="checkbox"/>   _____	
<b>ID Fan Module: Fill out for every ID Fan (to be repeated "I1" number of times)</b>			
I2	Is this ID Fan common for more than one emissions source?	<input type="checkbox"/> Yes → Explain: _____ <input type="checkbox"/> No	
		<i>(numeric values only)</i>	<b>Unit of Measurement</b>
I3	Rated power consumption of fan		1. <input type="checkbox"/> Kwh 2. <input type="checkbox"/> HP 3. <input type="checkbox"/> Other
I4	Pressure of the fan		mmWC <input type="checkbox"/> Other
I5	Designed RPM of the fan (RPM at max power output)		RPM
I6	RPM of the fan at the time of visit		RPM
I7	Is there a Variable Frequency Drive (VFD) installed for this fan?	1. <input type="checkbox"/> Yes, current frequency is   _____   % of the designed RPM (as reported in I5) 2. <input type="checkbox"/> No	

## Section J: Continuous Emissions Monitoring System

J1	<p>How many CEMS devices do you have? (operational and non-operational)</p>	<p>1. <input type="checkbox"/> 0 → <u>Skip this section, go to Section L</u></p> <p>2. <input type="checkbox"/> 1</p> <p>3. <input type="checkbox"/> 2</p> <p>4. <input type="checkbox"/>  _____ </p>
<b>CEMS Module: Fill out for every CEMS device (to be repeated "J1" number of times)</b>		
J2	<p>What existing continuous emissions monitoring system(s) is/are in place in the stack?  (tick all that apply)</p>	<p>1. <input type="checkbox"/> CEMS for PM → <u>continue section ONLY if this is checked, else skip to Section L</u></p> <p>2. <input type="checkbox"/> CEMS for NOx</p> <p>3. <input type="checkbox"/> CEMS for NO2</p> <p>4. <input type="checkbox"/> CEMS for SOx</p> <p>5. <input type="checkbox"/> CEMS for SO2</p> <p>6. <input type="checkbox"/> CEMS for CO</p> <p>7. <input type="checkbox"/> CEMS for CO2</p> <p>8. <input type="checkbox"/> CEMS for Other Gases (specify pollutants monitored): _____</p>
	<b>J3a. Manufacturer of the PM CEMS:</b>	<b>J3b. Model of the PM CEMS:</b>
J3	<p>Name of the supplier:</p>	<p>1. <input type="checkbox"/> Chemtrols</p> <p>2. <input type="checkbox"/> Forbes Marshall</p> <p>3. <input type="checkbox"/> ShreeTec</p> <p>4. <input type="checkbox"/> ICE Asia</p> <p>5. <input type="checkbox"/> Others (specify): _____</p>
J4	<p>Measurement Principle of the PM CEMS?</p>	<p>1. <input type="checkbox"/> DC Triboelectric</p> <p>2. <input type="checkbox"/> AC Triboelectric</p> <p>3. <input type="checkbox"/> Electrodynamic</p> <p>4. <input type="checkbox"/> Single Pass Opacity</p> <p>5. <input type="checkbox"/> Double Pass Opacity</p> <p>6. <input type="checkbox"/> Dual Beam Opacity</p> <p>7. <input type="checkbox"/> Dynamic Opacity</p> <p>8. <input type="checkbox"/> Forward Light Scattering</p> <p>9. <input type="checkbox"/> Backward Light Scattering</p> <p>10. <input type="checkbox"/> Light Scattering (Extractive) for Wet Gas</p> <p>11. <input type="checkbox"/> Others (specify): _____</p>
J5	<p>Is this CEMS device installed and calibrated?</p>	<p>1. <input type="checkbox"/> Purchased but not installed or calibrated → <u>SKIP J12</u></p> <p>2. <input type="checkbox"/> Installed but not calibrated → <u>SKIP J12</u></p> <p>3. <input type="checkbox"/> Both installed and calibrated</p>
J6	<p>Which date was this PM CEMS installed?</p>	<p> __ _ _ / _ _ _ / _ _ _ _ _ _ </p>

J7	What was the installation cost for this PM CEMS?		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh
J8	Annual Operating and Maintenance cost of this PM CEMS Device (Include power, internet labor and maintenance costs)		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh
J9	Annual Maintenance Contract (AMC) Signed	1. <input type="checkbox"/> Yes    2. <input type="checkbox"/> No → <u>Skip to J11</u>	
J10	Cost of Annual maintenance contract (AMC)		Rupees
J11	Cleaning frequency	__ __	<input type="checkbox"/> times/month <input type="checkbox"/> times/year
J12	When was the instrument calibrated last?	__ __ / __ __ / __ __ __ __	

J13	Are there dedicated staffs for PM CEMS?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <u>Skip to J16</u>	
J14	Name of the concerned person		
J15	Contact Number		
J16	Has this PM CEMS undergone any major change?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <u>Skip to J20</u>	
J17	When did the modification take place?	__ __ / __ __ / __ __ __ __	
J18	How much did the modification cost?		<input type="checkbox"/> Rupees <input type="checkbox"/> Lakh
J19	What was the modification?		
J20	Did you buy a new PC for CEMS?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No	
J21	Do you regularly check the CEMS data?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No	
J22	Have you made any modification in Boiler, Thermopack, and APCDs after CEMS installation?	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No → <u>If no, end section</u>	
J23	Equipment Modified	1. <input type="checkbox"/> Boiler 2. <input type="checkbox"/> Thermopack 3. <input type="checkbox"/> Settling Chamber 4. <input type="checkbox"/> Cyclone 5. <input type="checkbox"/> Scrubber 6. <input type="checkbox"/> Bag Filter 7. <input type="checkbox"/> ESP	
J24	What was the modification?		

Section L: Survey Notes		
L1.	<b>**End Time</b>	__ __ hrs __ __ mins
L2.	<b>How many people were present at the time of the interview?</b>	__ __
L3.	<b>Are you satisfied with the answers given by the respondent(s)?</b>	1. <input type="checkbox"/> Yes 2. <input type="checkbox"/> No
L4.	<b>Do you have any other comments?</b>	<input type="checkbox"/> Yes <input type="checkbox"/> No
L5.	<b>**Survey Status Code</b>	1. <input type="checkbox"/> SS01 - Complete 2. <input type="checkbox"/> SS02 - Partially Complete 3. <input type="checkbox"/> SS03 - Respondent Unavailable 4. <input type="checkbox"/> SS04 - Industry temporarily closed 5. <input type="checkbox"/> SS05 - Industry permanently closed 6. <input type="checkbox"/> SS06 - Industry not found 7. <input type="checkbox"/> SS07 - Did not consent 8. <input type="checkbox"/> SS08 - Refused to complete survey