

## TEST REPORT



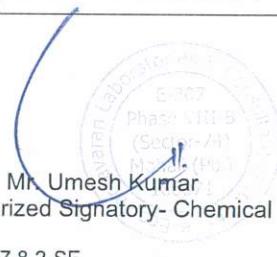
ULR No : NA	Test Report No : NSEL120126NA080		
Type of Sample # : Stack Emission			
Reference Type : Work Order No	Reference No : 5100044398 Dt.: 18/11/2025		
Customer Name #	Power Mech Projects Limited.		
Customer Address #	Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Period of Sampling	08/01/2026 - 08/01/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	12/01/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	12/01/2026 - 20/01/2026
Source of Emission	Boiler Stack- 660 MW (Unit-3, Second Unit)	Date of reporting	20/01/2026
Stack Description	Single, Circular & Metal	Fuel Used	Coal + Biomass
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	ESP Followed with Fabric Filter
Standard/Specifications	Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	On Site & Permanent Facility		

## RESULTS

### 1. Chemical Testing

#### I. Atmospheric Pollution ( Stack Emission )

Sr.No	Test Parameter	Unit	Result	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	38	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1052	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	178	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	25.8	IS 11255 : Part 3
6	Moisture	%	15.1	IS 11255 : Part 3
7	Temperature	°C	126	IS 11255 : Part 3
8	Oxygen as O2	%	6.6	EL-QTM-08
9	Carbon dioxide as CO2	%	10.3	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08



Mr. Umesh Kumar  
Authorized Signatory- Chemical

## TEST REPORT



ULR No : NA

Test Report No : NSEL120126NA080

Type of Sample # : Stack Emission

Remarks : NA

\*\*End of Report\*\*

### OTHER INFORMATION

**Abbreviation & Symbol :** # Information provided by customer. ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

#### Terms & Conditions :

1. The results relate only to the items tested.
2. Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
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4. Complaint log book is with Quality Cell. Contact No. (M) 91 8872 04 3135, Phone 91 172 4616 225 Email: [quality@ecoparyavaran.org](mailto:quality@ecoparyavaran.org)
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7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.



Mr. Umesh Kumar  
Authorized Signatory- Chemical

## TEST REPORT



ULR No : NA	Test Report No : NSEL120126NA081		
Type of Sample # : Stack Emission			
Reference Type : Work Order No	Reference No : 5100044398 Dt.: 18/11/2025		
Customer Name #	Power Mech Projects Limited.	Period of Sampling	08/01/2026 - 08/01/2026
Customer Address #	Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Date of Sample Receipt	12/01/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Period of Analysis	12/01/2026 - 20/01/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Date of reporting	20/01/2026
Source of Emission	Boiler Stack- 660 MW (Unit-2, First Unit)	Fuel Used	Coal + Biomass
Stack Description	Single, Circular & Metal	APCD Details (If provided)	ESP Followed with Fabric Filter
Point of Sample Collection	From Port Hole after APCD		
Standard/Specifications	Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	On Site & Permanent Facility		

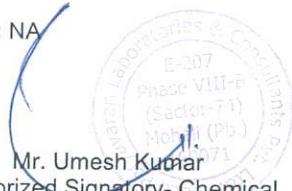
## RESULTS

### 1. Chemical Testing

#### I. Atmospheric Pollution ( Stack Emission )

Sr.No	Test Parameter	Unit	Result	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	40	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1033	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	175	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	26.1	IS 11255 : Part 3
6	Moisture	%	14.7	IS 11255 : Part 3
7	Temperature	°C	128	IS 11255 : Part 3
8	Oxygen as O2	%	6.3	EL-QTM-08
9	Carbon dioxide as CO2	%	10.7	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08

Remarks : NA



Mr. Umesh Kumar  
Authorized Signatory- Chemical

## TEST REPORT



ULR No : NA

Test Report No : NSEL120126NA081

Type of Sample # : Stack Emission

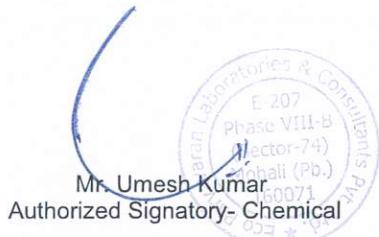
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Mr. Umesh Kumar  
Authorized Signatory- Chemical

## TEST REPORT



ULR No : NA

Test Report No : NSEL120126NA082

Type of Sample # : Stack Emission

Reference Type : Work Order No

Reference No : 5100044398 Dt.: 18/11/2025

Customer Name #	Power Mech Projects Limited.		
Customer Address #	Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Period of Sampling	08/01/2026 - 08/01/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	12/01/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	12/01/2026 - 20/01/2026
Source of Emission	Boiler Stack- 660 MW (Unit-1, Third Unit)	Date of reporting	20/01/2026
Stack Description	Single, Circular & Metal	Fuel Used	Coal + Biomass
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	ESP Followed with Fabric Filter
Standard/Specifications	Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	On Site & Permanent Facility		

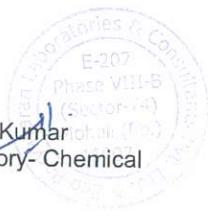
## RESULTS

### 1. Chemical Testing

#### I. Atmospheric Pollution ( Stack Emission )

Sr.No	Test Parameter	Unit	Result	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	42	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1025	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	171	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	26.7	IS 11255 : Part 3
6	Moisture	%	15.1	IS 11255 : Part 3
7	Temperature	°C	129	IS 11255 : Part 3
8	Oxygen as O2	%	6.2	EL-QTM-08
9	Carbon dioxide as CO2	%	10.5	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08

Remarks : NA



Mr. Umesh Kumar Chahal  
Authorized Signatory- Chemical

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**ECO BHAWAN** E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

## TEST REPORT



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Test Report No : NSEL120126NA082

Type of Sample # : Stack Emission

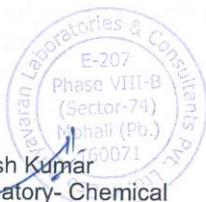
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Mr. Umesh Kumar  
Authorized Signatory- Chemical

## TEST REPORT



ULR No : NA

Test Report No : NAAL140126NA084

Type of Sample # : Ambient Air

Date of reporting : 20/01/2026

Reference Type : Work Order No

Reference No : 5100044398 Dt.: 18/11/2025

Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh
Period of Sampling	13/01/2026 - 14/01/2026	Date of Receipt of Sample	14/01/2026
Sampling Location	Station No.1	Period of Analysis	14/01/2026 - 20/01/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky: fogg during night & early morning
Testing Location	On Site & Permanent Facility		

## RESULTS

### 1. Chemical Testing

#### I. Atmospheric Pollution ( Ambient Air )

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	170	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	102	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	34	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	33	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.83	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m3	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

\*\*End of Report\*\*

Mr. Umesh Kumar  
Authorized Signatory- Chemical



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**ECO BHAWAN** E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

## TEST REPORT



ULR No : NA

Test Report No : NAAL140126NA084

Type of Sample # : Ambient Air

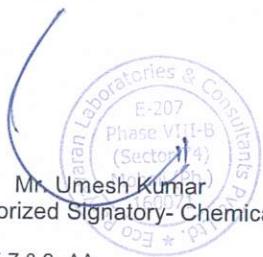
Date of reporting : 20/01/2026

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Mr. Umesh Kumar  
Authorized Signatory- Chemical

## TEST REPORT



ULR No : NA	Test Report No : NAAL140126NA085		
Type of Sample # : Ambient Air	Date of reporting : 20/01/2026		
Reference Type : Work Order No	Reference No : 5100044398 Dt.: 18/11/2025		
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh
Period of Sampling	13/01/2026 - 14/01/2026	Date of Receipt of Sample	14/01/2026
Sampling Location	Station No.2	Period of Analysis	14/01/2026 - 20/01/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky: fog during night & early morning
Testing Location	On Site & Permanent Facility		

## RESULTS

### 1. Chemical Testing

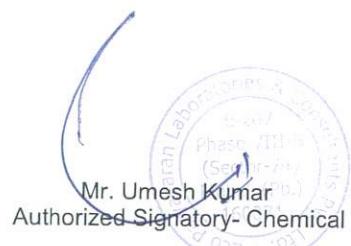
#### I. Atmospheric Pollution ( Ambient Air )

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	178	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	106	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	31	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	41	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.95	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m3	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

\*\*End of Report\*\*

Mr. Umesh Kumar  
Authorized Signatory- Chemical



EL-FMT-7.8.2 -AA

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**ECO BHAWAN** E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

## TEST REPORT



TC-11818

ULR No : NA

Test Report No : NAAL140126NA085

Type of Sample # : Ambient Air

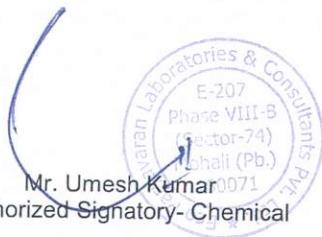
Date of reporting : 20/01/2026

### OTHER INFORMATION

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Mr. Umesh Kumar  
Authorized Signatory- Chemical

## TEST REPORT



ULR No : NA

Test Report No : NAAL140126NA086

Type of Sample # : Ambient Air

Date of reporting : 20/01/2026

Reference Type : Work Order No

Reference No : 5100044398 Dt.: 18/11/2025

Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh
Period of Sampling	13/01/2026 - 14/01/2026	Date of Receipt of Sample	14/01/2026
Sampling Location	Station No.3	Period of Analysis	14/01/2026 - 20/01/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky: fog during night & early morning
Testing Location	On Site & Permanent Facility		

## RESULTS

### 1. Chemical Testing

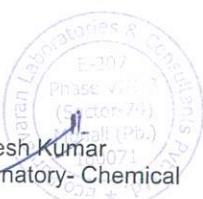
#### I. Atmospheric Pollution ( Ambient Air )

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	162	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	98	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	33	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	40	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.85	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m3	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

\*\*End of Report\*\*

Mr. Umesh Kumar  
Authorized Signatory- Chemical



EL-FMT-7.8.2 -AA

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**ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071**

## TEST REPORT



ULR No : NA

Test Report No : NAAL140126NA086

Type of Sample # : Ambient Air

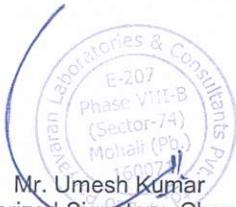
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Authorized Signatory- Chemical

## TEST REPORT



ULR No : NA

Test Report No : NAAL140126NA087

Type of Sample # : Ambient Air

Date of reporting : 20/01/2026

Reference Type : Work Order No

Reference No : 5100044398 Dt.: 18/11/2025

Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh
Period of Sampling	13/01/2026 - 14/01/2026	Date of Receipt of Sample	14/01/2026
Sampling Location	Station No.4	Period of Analysis	14/01/2026 - 20/01/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky: fog during night & early morning
Testing Location	On Site & Permanent Facility		

## RESULTS

### 1. Chemical Testing

#### I. Atmospheric Pollution ( Ambient Air )

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	179	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	107	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	29	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	37	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.87	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m3	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

\*\*End of Report\*\*

Mr. Umesh Kumar  
Authorized Signatory- Chemical

EL-FMT-7.8.2 -AA

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ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071

## TEST REPORT



ULR No : NA

Test Report No : NAAL140126NA087

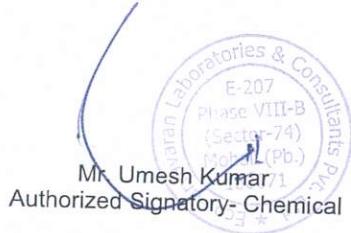
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6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.



Mr. Umesh Kumar  
Authorized Signatory- Chemical

## TEST REPORT



ULR No : NA	Test Report No : NAAL140126NA088		
Type of Sample # : Ambient Air	Date of reporting : 20/01/2026		
Reference Type : Work Order No	Reference No : 5100044398 Dt.: 18/11/2025		
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh
Sampling Protocol	IS 5182, EL-MSP-7.3	Date of Receipt of Sample	14/01/2026
Period of Sampling	13/01/2026 - 14/01/2026	Period of Analysis	14/01/2026 - 20/01/2026
Sampling Location	Village- Chehanwali	Environmental Condition	Clear Sky: fog during night & early morning
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009		
Testing Location	On Site & Permanent Facility		

## RESULTS

### 1. Chemical Testing

#### I. Atmospheric Pollution ( Ambient Air )

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	187	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	111	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	31	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	44	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	1.00	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m3	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

\*\*End of Report\*\*

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EL-FMT-7.8.2 -AA

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**ECO BHAWAN E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071**

## TEST REPORT



ULR No : NA

Test Report No : NAAL140126NA088

Type of Sample # : Ambient Air

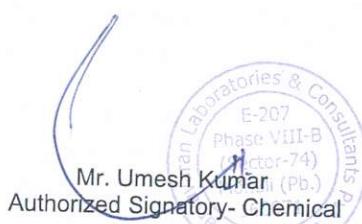
Date of reporting : 20/01/2026

### OTHER INFORMATION

**Abbreviation & Symbol :** # Information provided by customer. ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

### Terms & Conditions :

1. The results relate only to the items tested.
2. Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
3. The Test Report shall not be reproduced except in full or part or used as advertisement or evidence in court of law without written approval of the laboratory. Samples drawn under special circumstances like legal cases, the customer must declare the same at the time of submission.
4. Complaint log book is with Quality Cell. Contact No. (M) 91 8872 04 3135, Phone 91 172 4616 225 Email: [quality@ecoparyavaran.org](mailto:quality@ecoparyavaran.org)
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