

केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं प्रौद्योगिकी संस्थान (सिपेट)

(पूर्व में केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)

मुख्यालय, पीडीआई सेल

रसायन एवं पेट्रो रसायन विभाग

रसायन एवं उर्वरक मंत्रालय, भारत सरकार

टीवीके औद्योगिक इस्टेट, गिंडी, चेन्नई - 600 032.

दूरभाष : 044-29813708 (Direct) / 044-22254780 (Extn.-502)

ई-मेल : pdiho@cipet.gov.in



CENTRAL INSTITUTE OF PETROCHEMICALS
ENGINEERING & TECHNOLOGY

(Formerly Central Institute of Plastics Engineering & Technology)

Head Office, PDI Cell

Department of Chemicals & Petrochemicals

Ministry of Chemicals & Fertilizers, Govt. of India

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CIPET / QF / 7741

Name of the Inspecting Official: Shashikumar A M.

W.O. Centre: Kochi

Code No. : 1565

Camp at: M/S. Sri Amman Polymers Pvt Limited, Sular -CBE

INSPECTION REPORT

1.	Ref. No : IB00422000503397	:	Date: 29.03.2023
2.	Name of the Indenter / Consignee with detailed address	:	Office of the Executive Engineer, Kerala Water Authority, P.H.Division Irinjalakuda-680121
3.	Indenter Order No. & Date and Extension	:	No.D2-2180/2022 Dated: 07.03.2023
4.	Details of the Consignee	:	Office of the Executive Engineer, Kerala Water Authority, P.H.Division Irinjalakuda-680121
5.	Name of the Supplier / Contractor	:	Mr T.Abussamad, Melmuri, Malapuram
6.	Supplier Order No. & Date (if any)	:	
7.	Name and address of the Manufacturer / Inspection site	:	M/s. Sri Amman Polymers Private Limited, Sular, Coimbatore-641402
8.	Manufacturer / Supplier Inspection Call Letter No. & Date	:	Ref.No. SAPPL/044/2203 DT 22.03.2023
9.	PDI Cell Assignment No. & Date	:	CIPET/HO/2022238706 dt 29.03.2023
10.	Date of Inspection	:	Initiated on: 29.03.2023 Completed on: 29.03.2023
11.	Any other information	:	Manufacturer BIS License No. CML- 3473765-BRAND : AQUATUF JIM-2021-22 Thirkkur Grama Panchyath (Phase-II) Providing FHTC s to rural households by Augmentation of Existing Scheme-Reg.

DETAILS OF THE STORES

Sl. No.	Description of the Items	Quantity as per order	Quantity inspected earlier (Cumulative)	Quantity offered for inspection	Quantity Accepted	Quantity Rejected	Quantity Balance
UPVC pipes as per IS -4985:2021 with ISI certification mark							
1.	75mm OD Class-3(6 kgf/cm ²)Socketed	14268 Mtrs	NIL	14268 Mtrs (2378 Pcs x 6mtrs)	14268 Mtrs (2378 Pcs x 6mtrs)	NIL	NIL
2.	75 mm OD Class-4 (8kgf/cm ²)Socketed	1890 Mtrs	NIL	1890 Mtrs (315 Pcs x 6mtrs)	1890 Mtrs (315 Pcs x 6mtrs)	NIL	NIL
3.	75 mm OD Class-5 (10 kgf/cm ²)Socketed	4416 Mtrs	NIL	4416 Mtrs (736 Pcs x 6mtrs)	4416 Mtrs (736 Pcs x 6mtrs)	NIL	NIL
4.	63 mm OD Class-3(6 kgf/cm ²)Socketed	2706 Mtrs	NIL	2706 Mtrs (451 Pcs x 6mtrs)	2706 Mtrs (451 Pcs x 6mtrs)	NIL	NIL
5.	63 mm OD Class-4(8 kgf/cm ²)Socketed	606 Mtrs	NIL	606 Mtrs (101 Pcs x 6mtrs)	606 Mtrs (101 Pcs x 6mtrs)	NIL	NIL
6.	63 mm OD Class-5(10 kgf/cm ²)Socketed	1038 Mtrs	NIL	1038 Mtrs (173 Pcs x 6mtrs)	1038 Mtrs (173 Pcs x 6mtrs)	NIL	NIL
7.	50 mm OD Class-3 (6 kgf/cm ²)Socketed	2154 Mtrs	NIL	2154 Mtrs (359 Pcs x 6mtrs)	2154 Mtrs (359 Pcs x 6mtrs)	NIL	NIL
8.	50 mm OD Class-4(8 kgf/cm ²)Socketed	126 Mtrs	NIL	126 Mtrs (21 Pcs x 6mtrs)	126 Mtrs (21 Pcs x 6mtrs)	NIL	NIL
9.	50 mm OD Class-5(10 kgf/cm ²)Socketed	420 Mtrs	NIL	420 Mtrs (70 Pcs x 6mtrs)	420 Mtrs (70 Pcs x 6mtrs)	NIL	NIL

Remarks: All accepted items are stamped thus-



(Handwritten signature)

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आज़ादी का
अमृत महोत्सव

1. Certified that the items as detailed above have been inspected and accepted. The accepted items may be dispatched to the consignee. The Inspection Document Nos **IB00422000503397/1-9 dated 29.03.2023** are enclosed.
2. This inspection report is valid for 30 days and any Dispute/discrepancies/claims may be brought to the notice of the undersigned within 30 days from the date of issue of this report.


29/03/23

AUTHORISED SIGNATORY
Mr.Shashikumar A M (Code:1565)

CC: 1. M/s. Sri Amman Polymers P Limited,Sulur 2.T.Abussamad,Contractor 3.EE,KWA 4. CIPET -Kochi





CIPET / QF / 7742

INSPECTION DOCUMENT

Issued to : Office of the Executive Engineer, Kerala Water Authority, P.H.Division Irinjalakuda-680121
Manufacturer Supplier Inspection Call Letter No. & Date: M/S.Sri Anman Polymers P limited, Coimbatore
SAPPL/044/2203 DT 22.03.2023

INSPECTION DOCUMENT AS PER IS NO. / QAP NO. : 4985-2021
DOC. NO. **IB00422000503397/1** Dated: 29.03.2023

Page No.: 1 of 9
DATE: 29.03.2023

PART - A: PARTICULARS OF STORES

a) Description of the items	UPVC pipes as per IS-4985-2021
b) Grade/Variety/Type/Size/Class etc.	75 mm Class-3 (6 Kg/Cm ²) (Socketed)
c) Declared Value, if any	Nil.
d) Quantity	14268 Mtrs (2378 Pcs x 6 Mtr)
e) Any Other Information	1 CIPET/180/2022238706 dt 29.03.2023 2. Batch No: 2023 01 11 001 1 , 2022 10 22 001 1 , 2022 11 04 001 1

PART - B: SUPPLEMENTARY INFORMATIONS :

- a) Reference to sampling procedure : IS- 4985-2021 (Random Sampling Method)
b) **PART - C: RESULTS OF WITNESSED TESTS & REVIEW OF DOCUMENTS**

Results of Witnessed Tests					
Sl. No.	Clause No. / QAP SL No.	Tests Witnessed	Unit	Specified requirements	Observed Results
1	7.1	Dimension of pipes			
2	7.1.1.1	Mean outside diameter	mm	Min - 75.0, Max - 75.30	Min : 75.04 Max : 75.18
3	7.1.1.2	Diameter at any Point	mm	Min - 74.10, Max - 75.90	Min : 75.04 Max : 75.14
4	7.1.2	Wall thickness	mm	Min - 2.60, Max - 3.10	Min : 2.80 Max : 2.90
			mm	Average - (Max) - 2.80	2.90
5	7.1.4.1	Effective length	meter	6.00 (min.)	6.01
6	7.2.1.1	Socket length	mm	43.50(min.)	55.00
		MSID	mm	Min-75.10 Max - 75.30	Min : 75.14 Max : 75.22
7	9.1	Pipe ends meant for solvent cementing		The ends of pipe meant for solvent cementing (both plain & bell ended) shall be cleanly cut & shall be reasonably square to the axis of the pipe or may be chamfered at the plain end.	Satisfactory
		Color of the pipes		The Colour of the pipes shall be grey. Slight variation in the appearance of the colour are permitted.	Grey
8	10.1.1	Internal & external surfaces of the pipe		Internal & External surface of pipes shall be smooth, clean free from grooving & other defects.	Satisfactory
9	10.2	Opacity	%	0.2 Max.	0.0%
10	10.4	Reversion test	%	Shall not alter in length by more than 3 %	1.66
11	10.5	Vicat softening temperature	°C	Shall not less than 90° C	84.00
12	10.6	Density	gms/cm ³	1.40 - 1.46	1.44
13	10.7	Sulphated ash content test	%	Shall not exceed 11 %	9.82
14	11.1	Hydrostatic characteristic-Acceptance Test - 1 hour at 27° C & 4.19 X 0.6 MPa.		The Pipe shall not fail during the prescribed test duration	Confirm
15	11.2	Resistance to External Blows at 0° C	%	Shall have a true impact rate of not more than 10%	(0/25)
16	13.1	Marking on each pipe		Aquatef 75 mm 6 kg/cm ² Class 3 2023 01 11 001 1 2022 10 22 001 1 2022 11 04 001 1	Confirm
17	-13.2	BIS Certificate marking		ISI Marking with CML No.3473765	Confirm


AUTHORISED SIGNATORY
Mr. Shashikumar A M (Code-1565)

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CIPET / QF / 7742

INSPECTION DOCUMENT

Issued to : Office of the Executive Engineer, Kerala Water Authority, P.H.Division Irinjalakuda-680121
 Manufacturer Supplier Inspection Call Letter No. & Date: M/S.Sri Armaan Polymers P limited,Coimbatore
 SAPPL/044/2203 DT 22.03.2023

INSPECTION DOCUMENT AS PER IS NO. / QAP NO. : 4985-2021
 DOC. NO. : **IB00422000503397/2** Dated: 29.03.2023

Page No.: 2 of 9
 DATE: 29.03.2023

PART - A: PARTICULARS OF STORES

- | | | |
|---------------------------------------|---|---|
| a) Description of the items | : | UPVC pipes as per IS-4985-2021 |
| b) Grade/Variety/Type/Size/Class etc. | : | 75mm Class-4 (8Kg/cm ²) (Socketed) |
| c) Declared Value, if any | : | Nil |
| d) Quantity | : | 1890 Mtrs (315 Pcs x 6 Mtr) |
| e) Any Other Information | : | 1. CIPET/HO/2022238706 dt 29.03.2023
2. Batch No: 2022 10 12 001 1 |

PART - B: SUPPLEMENTARY INFORMATIONS :

- a) Reference to sampling procedure : IS- 4985-2021 (Random Sampling Method)

b) PART - C: RESULTS OF WITNESSED TESTS & REVIEW OF DOCUMENTS

Results of Witnessed Tests					
Sl. No.	Clause No. / QAP SL No.	Tests Witnessed	Unit	Specified requirements	Observed Results
1	7.1	Dimension of pipes			
2	7.1.1.1	Mean outside diameter	mm	Min - 75.0, Max - 75.30	Min : 75.02 Max : 75.12
3	7.1.1.2	Diameter at any Point	mm	Min - 74.10, Max - 75.90	Min : 75.04 Max : 75.12
4	7.1.2	Wall thickness	mm	Min - 3.40, Max - 4.00	Min : 3.46 Max : 3.54
			mm	Average - (Max) - 3.80	3.54
5	7.1.4.1	Effective length	meter	6.00 (min.)	6.020
6	7.2.1.1	Socket length	mm	43.50(min.)	55.00
		MSID	mm	Min - 75.10 Max - 75.30	Min : 75.12 Max : 75.22
7	9.1	Pipe ends meant for solvent cementing		The ends of pipe meant for solvent cementing (both plain & bell ended) shall be cleanly cut & shall be reasonably square to the axis of the pipe or may be chamfered at the plain end	Satisfactory
		Color of the pipes		The Colour of the pipes shall be grey. Slight variation in the appearance of the colour are permitted	Grey
8	10.1.1	Internal & external surfaces of the pipe		Internal & External surface of pipes shall be smooth, clean free from grooving & other defects.	Satisfactory
9	10.2	Opacity	%	0.2 Max.	0.0%
10	10.4	Reversion test	%	Shall not alter in length by more than 5 %	2.00
11	10.5	Vicat softening temperature	°C	Shall not less than 80° C	84.00
12	10.6	Density	gms/cm ³	1.40 - 1.46	1.43
13	10.7	Sulphated ash content test	%	Shall not exceed 11 %	9.85
14	11.1	Hydrostatics characteristic-Acceptance Test - 1 hour at 27° C & 4.19 X 0.8 MPa.		The Pipe shall not fail during the prescribed test duration	Confirm
15	11.2	Resistance to External Blows at 0°C	%	Shall have a true impact rate of not more than 10%	(0/25)
16	13.1	Marking on each pipe		Aquasol 75 mm 8kg/cm ² Class 4 2022 10 12 001 1	Confirm
17	13.2	BIS Certificate marking		ISI Marking with CML No 3473765	Confirm

(Signature)
 29/03/23
AUTHORISED SIGNATORY
Mr. Shashikumar A M (Code-1565)

राष्ट्रीय पेट्रो रसायन अभियांत्रिकी एवं
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CIPEI / QF / 7742

INSPECTION DOCUMENT

Issued to : Office of the Executive Engineer, Kerala Water Authority, P.H.Division Irinjalkuda-680121
 Manufacturer Supplier Inspection Call Letter No. & Date: M/S.Sri Amman Polymers P Limited, Coimbatore
 SAPPL044/22.03.2023 DT 22.03.2023

INSPECTION DOCUMENT AS PER IS NO. / QAP NO. : 4985-2021
 DOC. NO. : **IB00422000503397/3** Dated: 29.03.2023

Page No. 3 of 9
 DATE: 29.03.2023

PART - A: PARTICULARS OF STORES

- | | |
|---------------------------------------|---|
| a) Description of the items | UPVC pipes as per IS-4985-2021 |
| b) Grade/Variety/Type/Size/Class etc. | 75 mm Class-5 (10Kgf/Cm ²) (Socketed) |
| c) Declared Value, if any | Nil |
| d) Quantity | 4416 Mtrs (736 Pcs x 6 Mtr) |
| e) Any Other Information | 1. CIPEI/HO/2022238706 dt 29.03.2023
2. Batch No: 2022 11 12 001 1 |

PART - B: SUPPLEMENTARY INFORMATIONS :

- a) Reference to sampling procedure : IS- 4985-2021 (Random Sampling Method)

b) PART - C: RESULTS OF WITNESSED TESTS & REVIEW OF DOCUMENTS

Results of Witnessed Tests					
Sl. No.	Clause No. / QAP Sl. No.	Tests Witnessed	Unit	Specified requirements	Observed Results
1	7.1	Dimension of pipes			
2	7.1.1.1	Mean outside diameter	mm	Min - 75.00, Max - 75.30	Min : 75.02 Max : 75.16
3	7.1.1.2	Diameter at any Point	mm	Min - 74.10, Max - 75.90	Min : 75.02 Max : 75.18
4	7.1.2	Wall thickness	mm	Min - 4.20, Max - 4.90	Min : 4.36 Max : 4.48
			mm	Average - (Max) - 4.46	4.48
5	7.1.4.1	Effective length	meter	6.00 (min.)	6.02
6	7.2.1.1	Socket length	mm	37.50(min.)	54.00
		MSID	mm	Min - 75.10 Max - 75.30	Min : 75.12 Max : 75.20
7	9.1	Pipe ends meant for solvent cementing		The ends of pipe meant for solvent cementing (both plain & bell ended) shall be cleanly cut & shall be reasonably square to the axis of the pipe or may be chamfered at the plain end	Satisfactory
		Color of the pipes		The Colour of the pipes shall be grey. Slight variation in the appearance of the colour are permitted	Grey
8	10.1.1	Internal & external surfaces of the pipe		Internal & External surface of pipes shall be smooth, clean free from grooving & other defects	Satisfactory
9	10.2	Opacity	%	0.2 Max.	0.00%
10	10.4	Reversion test	%	Shall not alter in length by more than 5 %	2.0
11	10.5	Vicat softening temperature	°C	Shall not less than 80° C	84.0
12	10.6	Density	gms/cm ³	1.40 - 1.46	1.44
13	10.7	Sulphated ash content test	%	Shall not exceed 11 %	10.36
14	11.1	Hydrostatics characteristic-Acceptance Test - 1 hour at 27° C & 4.19 X 1.0 MPa.		The Pipe shall not fail during the prescribed test duration	Confirm
15	11.2	Resistance to External Blows at 0 °C	%	Shall have a true impact rate of not more than 10%	(0/25)
16	13.1	Marking on each pipe		Apart of 75 mm 10 kg/cm ² Class 5 2022 11 12 001 1	Confirm
17	13.2	BSI Certificate marking		ISI Marking with CM&E No.3473765	Confirm

AUTHORISED SIGNATORY
Mr. Shashikumar A M (Code-1565)

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CIPET / QF / 7742

INSPECTION DOCUMENT

Issued to : Office of the Executive Engineer, Kerala Water Authority, P.H.Division Irinjalakuda-880121

Manufacturer Supplier Inspection Call Letter No. & Date: M/s Sri Amman Polymers P limited, Coimbatore

SAPPL/044/22.03.2023 DT 22.03.2023

INSPECTION DOCUMENT AS PER IS NO. / QAP NO. : 4985-2021

Page No. 4 of 9

DOC. NO. : IB00422000503397/4 Dated: 29.03.2023

DATE: 29.03.2023

PART - A: PARTICULARS OF STORES

a) Description of the items	UPVC pipes as per IS-4985-2021
b) Grade/Variety/Type/Size/Class etc.	63 mm Class-3 (6kg/cm ²) (Socketed)
c) Declared Value, if any	Nil
d) Quantity	2706 Mtrs (451 Pcs x 6 Mtr)
e) Any Other Information	1. CIPET/HO/2022238706 dt 29.03.2023 2. Batch No: 2022 11 18 001 2

PART - B: SUPPLEMENTARY INFORMATIONS :

a) Reference to sampling procedure : IS- 4985-2021 (Random Sampling Method)

b) PART - C: RESULTS OF WITNESSED TESTS & REVIEW OF DOCUMENTS

Results of Witnessed Tests					
Sl. No.	Clause No. / QAP SL No.	Tests Witnessed	Unit	Specified requirements	Observed Results
1	7.1	Dimension of pipes			
2	7.1.1.1	Mean outside diameter	mm	Min - 63.0, Max - 63.30	Min : 63.04 Max : 63.14
3	7.1.1.2	Diameter at any Point	mm	Min - 62.20, Max - 63.80	Min : 63.02 Max : 63.12
4	7.1.2	Wall thickness	mm	Min - 2.20, Max - 2.70	Min : 2.26 Max : 2.34
			mm	Average - (Max) - 2.45	2.34
5	7.1.4.1	Effective length	meter	6.00 (min.)	6.01
6	7.2.1.1	Socket length	mm	37.50(min.)	49.00
		MSID	mm	Min - 63.10 Max - 63.30	Min : 63.12 Max : 63.22
7	9.1	Pipe ends meant for solvent cementing		The ends of pipe meant for solvent cementing (both plain & bell ended) shall be cleanly cut & shall be reasonably square to the axis of the pipe or may be chamfered at the plain end	Satisfactory
		Color of the pipes		The Colour of the pipes shall be grey. Slight variation in the appearance of the colour are permitted	Grey
8	10.1.1	Internal & external surfaces of the pipe		Internal & External surface of pipes shall be smooth, clean free from grooving & other defects.	Satisfactory
9	10.2	Opacity	%	0.2 Max.	0.00%
10	10.4	Reversion test	%	Shall not alter in length by more than 5 %	2.0
11	10.5	Vicat softening temperature	°C	Shall not less than 80° C	84.0
12	10.6	Density	gms/cm ³	1.40 - 1.46	1.44
13	10.7	Sulphated ash content test	%	Shall not exceed 11 %	9.68
14	11.1	Hydrostatic characteristic-Acceptance Test - 1 hour at 27° C & 4.19 X 0.6 MPa.		The Pipe shall not fail during the prescribed test duration	Confirm
15	11.2	Resistance to External Blows at 0°C	%	Shall have a true impact rate of not more than 10%	(0/25)
16	13.1	Marking on each pipe		Aquarad 63 mm 6 kg/cm ² Class 3 2022 11 18 001 2	Confirm
17	13.2	BIS Certificate marking		ISI Marking with CM/L No.3473765	Confirm

AUTHORISED SIGNATORY
Mr. Shashikumar A M (Code-1565)

श्रीय पेट्रोसायन अभियांत्रिकी एवं
द्योगिकी संस्थान (सिपेट)

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रसायन एवं उर्वरक मंत्रालय, भारत सरकार
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CENTRAL INSTITUTE OF PETROCHEMICALS
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CIPET / QF / 7742

INSPECTION DOCUMENT

Issued to : Office of the Executive Engineer, Kerala Water Authority, P.H.Division Irinjalakuda-680121
Manufacturer Supplier Inspection Call Letter No. & Date: Ms.Sri Amman Polymers P Limited,Coimbatore

INSPECTION DOCUMENT AS PER IS NO. / QAP NO. : 4985-2021

DOC. NO. : IB00422000503397/5 Dated: 29.03.2023

SAPPL/044/22 03 2023 DT 22.03.2023

Page No. 5 of 9

DATE: 29.03.2023

PART - A: PARTICULARS OF STORES

- Description of the items
- Grade/Variety/Type/Size/Class etc.
- Declared Value, if any
- Quantity
- Any Other Information

UPVC pipes as per IS-4985-2021
63 mm Class-4 (8Kg/Cm²) (Socketed)
NIL
606 Mtrs (101 Pcs x 6 Mtr)
1. CIPET/HO/2022238706 dt 29.03.2023
2. Batch No: 2022 11 21 001 1

PART - B: SUPPLEMENTARY INFORMATIONS

- Reference to sampling procedure

IS- 4985-2021 (Random Sampling Method)

b) PART - C: RESULTS OF WITNESSED TESTS & REVIEW OF DOCUMENTS

Results of Witnessed Tests

Sl. No.	Clause No. / QAP SL No.	Test Witnessed	Unit	Specified requirements	Observed Results
1	7.1	Dimension of pipes			
2	7.1.1.1	Mean outside diameter	mm	Min - 63.0, Max - 63.30	Min : 63.02 Max : 63.12
3	7.1.1.2	Diameter at any Point	mm	Min - 62.20, Max - 63.80	Min : 63.02 Max : 63.16
4	7.1.2	Wall thickness	mm	Min - 2.80, Max - 3.30	Min : 2.86 Max : 3.10
			mm	Average - (Max) - 3.02	3.10
5	7.1.4.1	Effective length	meter	6.00 (min.)	6.01
6	7.2.1.1	Socket length	mm	37.50(min.)	50.00
		MSID	mm	Min - 63.10 Max - 63.30	Min : 63.12 Max : 63.22
7	9.1	Pipe ends meant for solvent cementing		The ends of pipe meant for solvent cementing (both plain & bell ended) shall be cleanly cut & shall be reasonably square to the axis of the pipe or may be chamfered at the plain end	Satisfactory
		Color of the pipes		The Colour of the pipes shall be grey. Slight variation in the appearance of the colour are permitted	Grey
8	10.1.1	Internal & external surfaces of the pipe		Internal & External surface of pipes shall be smooth, clean free from grooving & other defects.	Satisfactory
9	10.2	Opacity	%	0.2 Max.	0.00%
10	10.4	Reversion test	%	Shall not alter in length by more than 5 %	2.0
11	10.5	Vicat softening temperature	°C	Shall not less than 80° C	84.0
12	10.6	Density	gms/cm ³	1.40 - 1.46	1.44
13	10.7	Sulphated ash content test	%	Shall not exceed 11 %	10.70
14	11.1	Hydrostatic characteristic-Acceptance Test - 1 hour at 27° C & 4.19 X 0.8 MPa		The Pipe shall not fail during the prescribed test duration	Confirm
15	11.2	Resistance to External Blows at 0° C	%	Shall have a true impact rate of not more than 10%	(0/25)
16	13.1	Marking on each pipe		Aquad/ 63 mm 8 kg/cm ² Class 3 2022 11 21 001 1	Confirm
17	13.2	BIS Certificate marking		ISI Marking with CML No.3473765	Confirm

AUTHORISED SIGNATORY
Mr. Shashikumar A M (Code-1565)

द्रीय पेट्रोरसायन अभियांत्रिकी एवं
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CENTRAL INSTITUTE OF PETROCHEMICAL
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CIPET / QF / 7742

INSPECTION DOCUMENT

Issued to : Office of the Executive Engineer, Kerala Water Authority, P.H.Division Irinjalakuda-680121

Manufacturer Supplier Inspection Call Letter No. & Date: M/s Sri Amman Polymers P limited, Coimbatore

SAPPL/044/22.03.2023 DT 22.03.2023

INSPECTION DOCUMENT AS PER IS NO. / QAP NO. : 4985-2021

Page No. 6 of 9

DOC NO. : IB00422000503397/6 Dated: 29.03.2023

DATE: 29.03.2023

PART - A: PARTICULARS OF STORES

a) Description of the items	1	UPVC pipes as per IS-4985-2021
b) Grade/Variety/Type/Size/Class etc.	1	63 mm Class-5 (10kgf/cm ²) (Socketed)
c) Declared Value, if any	1	NIL
d) Quantity	2	1008 Mtrs (173 Pcs x 6 Mtr)
e) Any Other Information	1	1. CIPET/HO/2022238706 dt 29.03.2023 2. Batch No: 2023 01 12 001 2

PART - B: SUPPLEMENTARY INFORMATIONS:

a) Reference to sampling procedure : IS- 4985-2021 (Random Sampling Method)

b) PART - C: RESULTS OF WITNESSED TESTS & REVIEW OF DOCUMENTS

Results of Witnessed Tests					
Sl. No.	Clause No. / QAP SL No.	Tests Witnessed	Unit	Specified requirements	Observed Results
1	7.1	Dimension of pipes			
2	7.1.1.1	Mean outside diameter	mm	Min - 63.0, Max - 63.20	Min : 63.02 Max : 63.10
3	7.1.1.2	Diameter at any Point	mm	Min - 62.20, Max - 63.80	Min : 63.02 Max : 63.12
4	7.1.2	Wall thickness	mm	Min - 3.20, Max - 4.10	Min : 3.68 Max : 3.78
			mm	Average - (Max) - 3.45	3.78
5	7.1.4.1	Effective length	meter	6.00 (min.)	6.01
6	7.2.1.1	Socket length	mm	37.50(min.)	50.00
		MSID	mm	Min-63.10 Max - 63.30	Min : 63.12 Max : 63.20
7	9.1	Pipe ends meant for solvent cementing		The ends of pipe meant for solvent cementing (both plain & bell ended) shall be cleanly cut & shall be reasonably square to the axis of the pipe or may be chamfered at the plain end	Satisfactory
		Color of the pipes		The Colour of the pipes shall be grey. Slight variation in the appearance of the colour are permitted	Grey
8	10.1.1	Internal & external surfaces of the pipe		Internal & External surface of pipes shall be smooth, clean free from grooving & other defects.	Satisfactory
9	10.2	Opacity	%	0.2 Max.	0.00%
10	10.4	Reversion test	%	Shall not alter in length by more than 5 %	2.0
11	10.5	Vicat softening temperature	°C	Shall not less than 80° C	83
12	10.6	Density	gms/cm ³	1.40 - 1.46	1.43
13	10.7	Sulphated ash content test	%	Shall not exceed 11 %	10.36
14	11.1	Hydrostatics characteristic-Acceptance Test - 1 hour at 27° C & 4.19 X 1.0 MPa		The Pipe shall not fail during the prescribed test duration	Confirm
15	11.2	Resistance to External Blows at 0°C	%	Shall have a true impact rate of not more than 10%	(0/25)
16	13.1	Marking on each pipe		Aqsatuf 63 mm 6 kg/cm ² Class 3 2022 11 18 001 2	Confirm
17	13.2	BIS Certificate marking		ISI Marking with CML No.3473765	Confirm

(Signature)
29/03/23
AUTHORISED SIGNATORY
Mr. Shashikumar A M (Code-1565)

द्रीय पेट्रोसायन अभियांत्रिकी एवं
द्योगिकी संस्थान (सिपेट)

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CIPET / QF / 7742

INSPECTION DOCUMENT

Issued to : Office of the Executive Engineer, Kerala Water Authority, P.H.Division Irtinjalkuda-680121
Manufacturer Supplier Inspection Call Letter No. & Date: M/s Sri Armaan Polymers P Limited, Coimbatore
SAPPL/044/2203 DT 22.03.2023

INSPECTION DOCUMENT AS PER IS NO. / QAP NO. : 4985-2021
DOC. NO. : **IB00422000503397/7** Dated: 29.03.2023

Page No. 7 of 9
DATE: 29.03.2023

PART - A: PARTICULARS OF STORE

- Description of the items
- Grade/Variety/Type/Size/Class etc.
- Declared Value, if any
- Quantity
- Any Other Information

UPVC pipes as per IS 4985-2021
50 mm Class-3 (6Kg/cm²) (Socketed)
Nil
2154 Mtrs (359 Pcs x 6 Mtr)
1. CIPET/HO/2022238706 dt 29.03.2023
2. Batch No: 2023 01 22 001 1

PART - B: SUPPLEMENTARY INFORMATIONS :

- Reference to sampling procedure

IS- 4985-2021 (Random Sampling Method)

b) PART - C: RESULTS OF WITNESSED TESTS & REVIEW OF DOCUMENTS

Results of Witnessed Tests					
Sl. No.	Clause No. / QAP Sl. No.	Tests Witnessed	Unit	Specified requirements	Observed Results
1	7.1	Dimension of pipes			
2	7.1.1.1	Mean outside diameter	mm	Min - 50.0, Max - 50.30	Min : 50.02 Max : 50.12
3	7.1.1.2	Diameter at any Point	mm	Min - 49.40, Max - 50.60	Min : 50.02 Max : 50.12
4	7.1.2	Wall thickness	mm	Min - 1.70, Max - 2.10	Min : 1.78 Max : 1.88
			mm	Average - (Max) - 1.9	1.88
5	7.1.4.1	Effective length	meter	6.00 (min.)	6.01
		Socket length	mm	37.50 (min.)	40.00
6	7.2.1.1	MSID	mm	Min - 50.10, Max - 50.30	Min : 50.12 Max : 50.20
7	9.1	Pipe ends meant for solvent cementing		The ends of pipe meant for solvent cementing (both plain & bell ended) shall be cleanly cut & shall be reasonably square to the axis of the pipe or may be chamfered at the plain end	Satisfactory
		Color of the pipes		The Colour of the pipes shall be grey. Slight variation in the appearance of the colour are permitted	Grey
8	10.1.1	Internal & external surfaces of the pipe		Internal & External surface of pipes shall be smooth, clean free from grooving & other defects.	Satisfactory
9	10.2	Opacity	%	0.2 Max.	0.0
10	10.4	Reversion test	%	Shall not alter in length by more than 5 %	2.00
11	10.5	Vicat softening temperature	°C	Shall not less than 80° C	83.0
12	10.6	Density	gms/cm ³	1.40 - 1.46	1.43
13	10.7	Sulphated ash content test	%	Shall not exceed 11 %	9.65
14	11.1	Hydrostatics characteristic-Acceptance Test - 1 hour at 27° C & 4.19 X 0.6 MPa.		The Pipe shall not fail during the prescribed test duration	Confirm
15	11.2	Resistance to External Blows at 0 °C	%	Shall have a true impact rate of not more than 10%	(0/25)
16	13.1	Marking on each pipe		Apart of 50 mm 6 kg/cm ² Class 3 2023 01 22 001 1	Confirm
17	13.2	BIS Certificate marking		ISI Marking with CML No.3473765	Confirm

AUTHORISED SIGNATORY
Mr. Shashikumar A M (Code-1565)

द्रीय पेट्रोसायन अभियांत्रिकी एवं
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CIPET / QF / 7742

INSPECTION DOCUMENT

Issued to : Office of the Executive Engineer, Kerala Water Authority, P.H.Division Irinjalakuda-680121
Manufacturer Supplier Inspection Call Letter No. & Date: M/s.Sri Azman Polymers P Limited, Coimbatore
SAPPL/044/2203 DT 22.03.2023

INSPECTION DOCUMENT AS PER IS NO. / QAP NO. : 4985-2021
DOC. NO. : **IB00422000503397/9** Dated: 29.03.2023

Page No: 8 of 9
DATE: 29.03.2023

PART - A: PARTICULARS OF STORES

- | | |
|---------------------------------------|---|
| a) Description of the items | UPVC pipes as per IS-4985-2021 |
| b) Grade/Variety/Type/Size/Class etc. | 50 mm Class-4 (8Kg/PCm ²) (Socketed) |
| c) Declared Value, if any | Nil. |
| d) Quantity | 126 Mtrs (21 Pcs x 6 Mtr) |
| e) Any Other Information | 1. CIPET/HO/2022238706 dt 29.03.2023
2. Batch No: 2023 01 28 001 1 |

PART - B: SUPPLEMENTARY INFORMATIONS : Nil.

- a) Reference to sampling procedure : IS- 4985-2021 (Random Sampling Method)

b) PART - C: RESULTS OF WITNESSED TESTS & REVIEW OF DOCUMENTS

Results of Witnessed Tests					
Sl. No.	Clause No. / QAP Sl. No.	Tests Witnessed	Unit	Specified requirements	Observed Results
1	7.1	Dimension of pipes			
2	7.1.1.1	Mean outside diameter	mm	Min - 50.0, Max - 50.30	Min : 50.04 Max : 50.16
3	7.1.1.2	Diameter at any Point	mm	Min - 49.40, Max - 50.60	Min : 50.04 Max : 50.18
4	7.1.2	Wall thickness	mm	Min - 2.80, Max - 3.30	Min : 2.38 Max : 2.52
			mm	Average - (Max) - 2.95	2.52
5	7.1.4.1	Effective length	meter	6.00 (min.)	6.01
6	7.2.1.1	Socket length	mm	37.50(min.)	40.00
		MSID	mm	Min - 50.10 Max - 50.30	Min : 50.12 Max : 50.22
7	9.1	Pipe ends meant for solvent cementing		The ends of pipe meant for solvent cementing (both plain & bell ended) shall be cleanly cut & shall be reasonably square to the axis of the pipe or may be chamfered at the plain end	Satisfactory
		Color of the pipes		The Colour of the pipes shall be grey. Slight variation in the appearance of the colour are permitted.	Grey
8	10.1.1	Internal & external surfaces of the pipe		Internal & External surface of pipes shall be smooth, clean free from grooving & other defects.	Satisfactory
9	10.2	Opacity	%	0.2 Max.	0.0 %
10	10.4	Reversion test	%	Shall not alter in length by more than 5 %	2.00
11	10.5	Vicat softening temperature	°C	Shall not less than 80° C	84.0
12	10.6	Density	gms/cm ³	1.40 - 1.46	1.44
13	10.7	Sulphated ash content test	%	Shall not exceed 11 %	10.79
14	11.1	Hydrostatics characteristic-Acceptance Test - 1 hour at 27° C & 4.19 X 0.8MPa.		The Pipe shall not fail during the prescribed test duration	Confirm
15	11.2	Resistance to External Blows at 0° C	%	Shall have a true impact rate of not more than 10%	(6/25)
16	13.1	Marking on each pipe		Aquatek 63 mm 6 kg/cm ² Class 3 2022 11 18 001 2	Confirm
17	13.2	BIS Certificate marking		ISI Marking with CM/L No.3473765	Confirm

AUTHORISED SIGNATORY
Mr. Shashikumar A M (Code-1565)

द्रीय पेट्रोसायन अभियांत्रिकी एवं
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Ministry of Chemicals & Fertilizers, Govt. of India

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Email : pdiho@cipet.gov.in

CIPET / OF / 7742

INSPECTION DOCUMENT

Issued to : Office of the Executive Engineer, Kerala Water Authority, P.H.Division Irinjalakuda-680121
Manufacturer Supplier Inspection Call Letter No. & Date: M/s.Sri Atman Polymers P Limited, Coimbatore
SAPPL/044/2203 DT 22.03.2023

INSPECTION DOCUMENT AS PER IS NO. / QAP NO. : 4985-2021

DOC NO: **IB00422000503397/8** Dated: 29.03.2023

Page No. 9 of 9

DATE: 29.03.2023

PART - A: PARTICULARS OF STORES

a) Description of the items	UPVC pipes as per IS:4985-2021
b) Grade/Variety/Type/Size/Class etc.	50 mm Class-5 (10Kgf/Cm ²) (Socketed)
c) Declared Value, if any	Nil
d) Quantity	420 Mtrs (70 Pcs x 6 Mtr)
e) Any Other Information	1. CIPET/IR/2022234706 dt 29.03.2023 2. Batch No. 2023 01 29 001 1

PART - B: SUPPLEMENTARY INFORMATIONS :

a) Reference to sampling procedure : IS- 4985-2021 (Random Sampling Method)

b) PART - C: RESULTS OF WITNESSED TESTS & REVIEW OF DOCUMENTS

Results of Witnessed Tests					
Sl. No.	Clause No. / QAP Sl. No.	Tests Witnessed	Unit	Specified requirements	Observed Results
1	7.1	Dimension of pipes			
2	7.1.1.1	Mean outside diameter	mm	Min. - 50.0, Max. - 50.30	Min : 50.04 Max : 50.12
3	7.1.1.2	Diameter at any Point	mm	Min - 49.40, Max. -50.60	Min : 50.02 Max : 50.18
4	7.1.2	Wall thickness	mm	Min - 2.80, Max. -3.30	Min : 2.84 Max : 2.88
			mm	Average - (Max) - 2.95	2.88
5	7.1.4.1	Effective length	meter	6.00 (min.)	6.01
6	7.2.1.1	Socket length	mm	37.50(min.)	40.00
		MSID	mm	Min -50.10 Max - 50.30	Min : 50.12 Max : 50.18
7	9.1	Pipe ends meant for solvent cementing		The ends of pipe meant for solvent cementing (both plain & bell ended) shall be cleanly cut & shall be reasonably square to the axis of the pipe or may be chamfered at the plain end	Satisfactory
		Color of the pipes		The Colour of the pipes shall be grey. Slight variation in the appearance of the colour are permitted.	Grey
8	10.1.1	Internal & external surfaces of the pipe		Internal & External surface of pipes shall be smooth, clean free from grooving & other defects.	Satisfactory
9	10.2	Opacity	%	0.2 Max.	0.00%
10	10.4	Reversion test	%	Shall not alter in length by more than 5 %	2.0
11	10.5	Vicat softening temperature	°C	Shall not less than 80° C	84.0
12	10.6	Density	gms/cm ³	1.40 - 1.46	1.44
13	10.7	Sulphated ash content test	%	Shall not exceed 11 %	10.70
14	11.1	Hydrostatics characteristic-Acceptance Test - 1 hour at 27° C & 4.19 X 1.0 MPa.		The Pipe shall not fail during the prescribed test duration	Confirm
15	11.2	Resistance to External Blows at 0 °C	%	Shall have a true impact rate of not more than 10%	(0/25)
16	13.1	Marking on each pipe		Aquaruf 63 mm 6 kg/cm ² Class 3 2022 11 18 001 2	Confirm
17	13.2	BIS Certificate marking		ISI Marking with CML No.3473765	Confirm

AUTHORISED SIGNATORY
Mr. Shashikumar A M (Code-1565)

द्रीय पेट्रोरसायन अभियांत्रिकी एवं
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DOC. NO.: IB00422000503397

DATE: 29.03.2023

Review of Documents (if any):					
Sl. No.	Clause No. / QAP Sl No.	Test Parameters / Documents	Certificate / Report No. & Date	Certificate / Report Issued by	Review / Remarks
1	6.1.1	VCM content	Lot No:R 8228034	SP 660	Reviewed
2	6.1.2	K-value	Dated:06.09.2022		
3	10.3	Effect on Water	05322 dt 13.03.2023	CIPET Madurai	Reviewed
4	11.1	Hydrostatics Characteristic- Type Test - 1000 hour at 60° C & 1.16 X 1.0 MPa.	Test Report No:-22855 Dt 01.02.2023	M/s. CIPET,KOCHI	Reviewed

PART - D: REMARKS

1. This Inspection document shall not be reproduced except in full without the written approval of the PDI Cell at CIPET Head Office, Chennai.
2. These witness results relate exclusively to the work ordered or the object (s) or the lot inspected.
3. Lab. Environmental Condition during the witness of tests: Temperature 27±2 °C & Relative Humidity -65±5%.

(Signature)
29/03/23

AUTHORISED SIGNATORY
Mr. Shashikumar A M (Code-1565)

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