

**केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं
प्रौद्योगिकी संस्थान**

(पूर्व में केन्द्रीय प्लास्टिक इंजीनियरिंग एवं तकनीकी संस्थान)

प्रधान कार्यालय, पी. डी. आई. सेल
सायन एवं पेट्रो रसायन विभाग,
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
टी. वी. के. औद्योगिक इस्टेट, गिन्दी, चेन्नई - 600 032
दूरभाष : 044-29813708 (Direct) /044-22254780 (Extn-502)
ई-मेल : pdiho@cipet.gov.in



**CENTRAL INSTITUTE OF PETROCHEMICALS
ENGINEERING & TECHNOLOGY (CIPET)**

(Formerly Central Institute of Plastics Engineering & Technology)

Head Office, PDI Cell

Department of Chemicals & Petrochemicals

Ministry of Chemicals & Fertilizers Govt. of India

TVK Industrial Estate, Guindy, Chennai - 600 032

Phone : 044-29813708 (Direct) / 044-22254780 (Extn-502)

E-mail : pdiho@cipet.gov.in

CIPET / QF / 7741

Name of the Inspecting Official: S Vijayakanth		W.O.Centre : Kochi		
Code No. : 880		Camp at: M/s.Toms Pipes Pvt.Ltd,Industrial Estate P.O., Changanacherry, Kottayam (Mob:858981878)		
INSPECTION REPORT				
1	Ref no. : IB0422231582256	Date : 30.12.2022		
2	Name of the Indenter / Consignee with detailed address	Executive Engineer, Kerala Water Authority, P H Division, Irinjaalkuda-680 121		
3	Indenter Order No.&Date and Extension	No. D6-2354/2022 Dated 17.12.2022		
4	Details of the Consignee	Executive Engineer, Kerala Water Authority, P H Division, Irinjaalkuda-680 121 JUM-2021-2022-Meovor Grama Panchayath-(Phase B) Providing FHTCs to rural house holds Augmentation of existing water supply schemes.		
5	Name of the Supplier / Contractor	Mrs Parvathi Constructions, 201515, Peramb, Kozhik, Kozhikamury, Thrissur. PH:9446504264		
6	Supplier Order No. & Date (if any)			
7	Name and address of the Manufacturer / Inspection site	M/s Toms Pipes Pvt Ltd, Industrial Estate P.O., Changanacherry, Kottayam (Mob:858981878)		
8	Manufacturer / Supplier Inspection Call Letter No. & Date	TOMS/214/22, Dated 28.12.2022		
9	PDI Cell Assignment No. & Date	CIPET/HO/2022236118, Dated: 28.12.2022		
10	Date of inspection	Date of Initiation : 29.12.2022 Date of completion : 30.12.2022		
11	Any other information	Manufacturer BIS License No CML - 6705270 batch numbers:		
		Brand name TOMS		
		202212040331	202210200041	202211240031
		202212040332 (75 mm Cl 3)	202210200042 (53 mm Cl 4)	202211240032 (53mm Cl 3)
		202212040333	202210200043	202211240033
		202211260031	20221040031	202212080031
		202211260032 (50 mm Cl 5)	20221040032 (50 mm Cl 4)	202212080031
202211260033	20221040033	202212080033		
202211260011		202212280031 (50 mm Cl 3)		
202211260012 (20mm CL 6)		202212280032		
202211260013		202212280033		


S Vijayakanth (code:893)
Authorised Signatory

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प्लास्टिकी संस्थान**

(केन्द्रीय पब्लिक इंजीनियरिंग एवं तकनीकी संस्थान)

कार्यालय, पी. डी. आई. सेल

प्लास्टिक एवं पेट्रो रसायन विभाग,

प्लास्टिक एवं ड्रजरीक मंत्रालय, भारत सरकार

प. पी. के. औद्योगिक इस्टेट, गुन्दी, चेन्नई - 600 032

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Type 'A' Inspection Body
ISO/IEC - 17020 : 2012



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CIPET / QF / 7741

Name of the Inspecting Official: S Vijayakanth		W.O. Centre: Kochi							
Code No.: 899		Camp at: M/s. Tama Pipes Pvt.Ltd, Industrial Estate P.O., Changanacherry, Kottayam (Mob:8589951878)							
DETAILS OF THE STORES									
Sr No.	Description of the Items	Quantity as per order in meter	Quantity inspected earlier (Cumulative) in meter	Quantity offered for inspection in meter	Quantity Accepted in meter	Quantity Rejected in meter	Quantity Balance in meter		
UPVC Pipes as per IS4985:2021 with ISI certification mark									
1	75 mm class 3 (6 kg/cm ²) UPVC pipes Socket end for solvent cement jointing	1524 meters	NIL	1524 meters (254 nos x 6 mtrs)	1524 meters	NIL	NIL		
2	63 mm class 4 (8 kg/cm ²) UPVC pipes plain end for solvent cement jointing	2490 meters	NIL	2490 meters (415 nos x 6 mtrs)	2490 meters	NIL	NIL		
3	63 mm class 3 (6 kg/cm ²) UPVC pipes socket end for solvent cement jointing	168 meters	NIL	168 meters (28 nos x 6 mtrs)	168 meters	NIL	NIL		
4	50 mm class 5 (10 kg/cm ²) UPVC pipes socket end for solvent cement jointing	24 meters	NIL	24 meters (4 nos x 6 mtrs)	24 meters	NIL	NIL		
5	50 mm class 4 (8 kg/cm ²) UPVC pipes socket end for solvent cement jointing	426 meters	NIL	426 meters (71 nos x 6 mtrs)	426 meters	NIL	NIL		
6	60 mm class 3 (6 kg/cm ²) UPVC pipes socket end for solvent cement jointing	10002 meters	NIL	10002 meters (1667 nos x 6 mtrs)	10002 meters	NIL	NIL		
7	20mm class 6 (12.5 kg/cm ²) UPVC pipes Plain end for solvent cement jointing	53004 meters	NIL	53004 meters (8834 nos x 6 mtrs)	53004 meters	NIL	NIL		
Remarks : All accepted items are stamped thus-									
				<table border="1"> <tr> <td>CIPET / PDI / 2022-23</td> </tr> <tr> <td>KOC / 059 / 890</td> </tr> </table>				CIPET / PDI / 2022-23	KOC / 059 / 890
CIPET / PDI / 2022-23									
KOC / 059 / 890									

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 No. **8990422230502256** J 1 / 2 / 3 / 4 / 5 / 6 / 7

dated **30.12.2022** at **CHENNAI**

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.

CC: 1. Manufacturer, 2. Contractor, 3. CIPET - Kochi, 4. Consignee


S Vijayakanth (code:899)
Authorised Signatory

पेट्रोसायन अभियांत्रिकी एवं
तकनीकी संस्थान

एन केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)
एन कार्यालय, पी. सी. आई. सेल,
एन एच 7 एन, पेट्रो रसायन विभाग,
एन एन एवं उर्वरक मंत्रालय, भारत सरकार,
एन सी. के. औद्योगिक इस्टेट, गिन्दी, चेन्नई - 600 032
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एन ई-मेल : pdiho@cipet.gov.in



आज़ादी का
अमृत महोत्सव

CENTRAL INSTITUTE OF PETROCHEMICALS
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Head Office, PDI Cell
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CIPET / QP / 1742

Issued to
Manufacturer / Supplier Inspection Call Letter No
INSPECTION DOCUMENT AS PER IS NO. / QAP NO.
DOC. NO.

INSPECTION DOCUMENT

M/s Toms Pipes Pvt.Ltd, Industrial Estate P.O., Changanacherry, Kottayam (Mob:589681878)
TCMS/214/22, Dated 25.12.2022
4985-2021
IB00422290502298 J 1

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DATE: 30.12.2022

PART - A: PARTICULARS OF STORES
a Description of the items
b Grade/Variety/Type/Size/Class etc
c Declared Value, if any
d Quantity
e Any Other Information

UPVC pipes as per IS4985:2021
75 mm CI 3 (6.0 kg/cm²) Socket end for solvent cement jointing
nil
1524 mtrs [254 nos x 6 mtrs]
Batch Number 202212040031 202212040032 202212040033

PART - B: SUPPLEMENTARY INFORMATION nil
a Reference to sampling procedure IS 4985 : 2021 (Random Sampling Method)

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: 75.15 max: 75.25
3	7.1.1.2	Diameter at any Point	mm	min: 74.1 max: 75.9	min: 75.05 max: 75.27
4	7.1.2	Wall thickness	mm	min: 2.50 max: 3.10	min: 2.63 max: 2.66
5	7.1.4.1	Effective length	meter	min: 5.000	min: 5006
6	7.2.1.1	Socket length	mm	min: 43.5	min: 65.00
		Mean Socket Inscr Dia	mm	min: 75.1 max: 75.3	min: 75.17 max: 75.28
7	9.1	Pipe ends meant for solvent cementing	-	The ends of pipes 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
8	10.1	Visual Appearance Color of the pipes	-	The Colour of the pipes shall be light gray. Slight variation in the appearance of the colour are permitted.	confirmed
9	10.1.1	Internal & external surfaces of the pipe	-	Internal & External surface of pipe shall be smooth & clean free from grooving & other defects.	satisfactory
10	10.2	Opacity	%	0.2 (max)	0.02
11	10.4	Haze test	%	+ 5% (max)	3.8
12	10.6	Vicat softening Temperature	°C	80° C (Min)	82
13	10.8	Density	g/cm ³	1.40 to 1.45	1.44
14	10.7	Sulphated ash content Test	%	Shall not exceed 11 %	10.50
15	11.1	Hydrostatics characteristics 1 hr/ 27° C Acceptance Test 4.19 X 0.60 MPa	-	The pipe shall not fail during the prescribed test duration	confirmed
16	11.2	Resistance to External Blows at 0°C	%	Shall have a true impact rate of not more than 10%	confirmed (0/25)
17	13.1	Marking on each pipe	-	a). Manufacturer name or trade mark TOME b). Outside Diameter 75 mm c). Class of pipe and pressure rating CI 3 25.1 kg/cm ² d). Batch or lot number	confirmed
	13.1.1	Colour of marking	-	Class 3 colour Green	confirmed
	13.1.2	Blue Strip (for Type A)	-	The pipe for water supply, Type A shall additionally bear continuous longitudinal blue colour strip printing and this longitudinal blue colour strip shall be so placed as to not merge / disturb the information marked on the pipes as per 13.1	confirmed
	13.1.3	Lot number / batch number	-	shall include the details of production as per clause 13.1.3 (12 digit lot / batch number)	confirmed
	13.2	BIS Certification marking	-	Marking with CML - 6705270	confirmed

S Vijayakanth (MofE:890)
Authorized Signatory

पेट्रोसायन अभियांत्रिकी एवं
गैसिकी संस्थान

केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान
एन कार्यालय, पी. डी. आई. सेल,
आयन एवं नेट्रो रसायन विभाग,
आयन एवं डार्लक मंत्रालय, भारत सरकार
पी. डी. के. औद्योगिक इस्टेट, गुन्दी, चेन्नई - 600 032
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CIPET / QF / 1742

Issued to

Manufacturer / Supplier Inspection Call Letter No
INSPECTION DOCUMENT AS PER IS : NO. / GAP NO.
DOC. NO.

INSPECTION DOCUMENT

M/s. Toms Pipes Pvt. Ltd. Industrial Estate P.O., Changanacherry, Kollayam (Mob: 8589891878)

TOMS/214/22, Dated: 26.12.2022

4985-2021

IS0642230502256

2

page 2 of 8

DATE: 30.12.2022

PART - A:	PARTICULARS OF STORES
a	Description of the items
b	Grade/Variety/Type/Size/Class etc
c	Declared Value, if any
d	Quantity
e	Any Other Information

UPVC pipes as per IS:4985-2021

63 mm CI 4 (8.0 kg/cm²) plain end for solvent cement printing

all

2490 mtr (415 nos x 6 mtr)

Batch Number

202210200041

202210200042

202210200043

PART - B : SUPPLEMENTARY INFORMATION

a Reference to sampling procedure

IS

IS 4985 : 2021 (Random Sampling Method)

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

Results of Witnessed Tests

Sl. No.	Clause No./ GAP Sl. No.	Tests Witnessed	Unit	Specified requirements	Observed Results
1	7.1	Dimension of pipes		min: 63.0 max: 63.3	min: 63.20 max: 63.29
2	7.1.1	Mean outside diameter	mm	min: 62.2 max: 63.3	min: 63.06 max: 63.28
3	7.1.2	Diameter at any Point	mm	min: 2.80 max: 3.30	min: 2.81 max: 2.96
4	7.1.2	Wall thickness	mm	min: 6.000	min: 6.006
5	7.1.4.1	Effective length	mm	min: 37.5	max: 65.00
6	7.2.1.1	Socket length Mean Socket Inner Dia	mm	min: 63.1 max: 63.3	min: 63.18 max: 63.28
7	9.1	Pipe ends meant for solvent cementing	-	The ends of pipes 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
8	10.1	Visual Appearance/Color of the pipes	-	The Colour of the pipes shall be light grey. Slight variation in the appearance of the colour are permitted	confirmed
9	10.1.1	Internal & external surfaces of the pipe	-	Internal & External surface of pipe shall be smooth, clear free from grooving & other defects	satisfactory
10	10.2	Capacity	%	0.2 (max)	0.09
11	10.4	Reversion test	%	+1.5% (max)	2.8
12	10.5	Vicat softening Temperature	°C	80° C (Min)	83
13	10.6	Density	g/cm ³	1.40 to 1.46	1.43
14	10.7	Sulphated ash content Test	%	Shall not exceed 11 %	10.14
15	11.1	Hydrostatics characteristics 1 hr 27° C Acceptance Test: 4.15 X 0.80 MPa	-	The pipe shall not fail during the prescribed test duration	confirmed
16	11.2	Resistance to External Blows at 0°C	%	Shall have a true impact rate of not more than 10%	confirmed (0/25)
17	13.1	Marking on each pipe	-	a) Manufacturer name or trade mark TOMS b) Outside Diameter 63 mm c) Class of pipe and pressure rating CI 4 33.52 kg/cm ² d) Batch or lot number	confirmed
	13.1.1	Colour of marking	-	Class 4 Colour Brown	confirmed
	13.1.2	Blue Strip (for Type A)	-	The pipe for water supply, Type A shall additionally bear continuous longitudinal blue colour strip printing and this longitudinal blue colour strip shall be so placed as to not merge / disturb the information marked on the pipes as per 13.1	confirmed
	13.1.3	Lot number / batch number	-	shall include the details of production as per clause 13.1.3 (12 digit lot / batch number)	confirmed
	13.2	GIS Certification marking	-	Marking with CML - 6706270	confirmed

S. Vijayakumar (code: 096)
Authorized Signatory

पेट्रोसाधन अभियांत्रिकी एवं
तकनीकी संस्थान

एन केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)
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page 3 of 8

CIPET / QF / 1742

Issued to
Manufacturer / Supplier Inspection Cell Letter No
INSPECTION DOCUMENT AS PER IS NO. / GAP NO.
DOC. NO

INSPECTION DOCUMENT

M/s. Tom's Pipes Pvt. Ltd, Industrial Estate P.O., Changanacherry, Kollayam (Mob:3585081878)
TOMS/214/22, Dated:26.12.2022
4985-2021
IS9042223592256 / 3

DATE: 30.12.2022

PART - A : PARTICULARS OF STORES
a Description of the items
b Grade/Variety/Type/Color/Class etc.
c Declared Value, if any
d Quantity
e Any Other Information

UPVC pipes as per IS 4985-2021
63 mm CI 3 (6.0 kg/cm²) socket end for solvent cement joining
nil
168 mtrs [28 nos. x 6 mtrs] + [1 no x 0 mtrs]
Batch Number 202211240031 202211240032 202211240033

PART - B : SUPPLEMENTARY INFORMATION

a Reference to sampling procedure

IS 4985 : 2021 (Random Sampling Method)

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

Results of Witnessed Tests

Sl. No.	Clause No./ GAP 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: 63.3	min: 63.20 max: 63.25
3	7.1.1.2	Diameter at any Point	mm	min: 62.7 max: 63.8	min: 63.04 max: 63.28
4	7.1.2	Wall thickness	mm	min: 2.20 max: 2.7	min: 2.28 max: 2.44
5	7.1.4.1	Effective length	meter	min: 6.000	min: 6.005
6	7.2.1.1	Socket length Mean Socket Inner Dia	mm	min: 37.5 max: 63.3	min: 67.00 max: 63.29
7	9.1	Pipe ends meant for solvent cementing	-	The ends of pipes 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
8	10.1	Visual Appearance/Color of the pipes	-	The Colour of the pipes shall be light grey. Slight variation in the appearance of the colour are permitted	confirmed
9	10.1.1	Internal & external surfaces of the pipe	-	Internal & External surface of pipe shall be smooth, clean free from grooving & other defects.	satisfactory
10	10.2	Opacity	%	0.2 (max)	0.00
11	10.4	Revers on test	%	+/- 5% (max)	3.8
12	10.5	Vicat softening Temperature	°C	80° C (Min)	83
13	10.6	Density	g/cm ³	1.40 to 1.45	1.44
14	10.7	Supratated ash content Test	%	Shall not exceed 11 %	9.95
15	11.1	Hydrostatics characteristics/ In/ 27° C Acceptance Test 4.19 X 0.60 MPa	-	The pipe shall not fail during the prescribed test duration	confirmed
16	11.2	Resistance to External Blows at 0°C	%	Shall have a true impact rate of not more than 10%	confirmed (100%)
17	13.1	Marking on each pipe	-	a) Manufacturer name or trade mark TOMS b) Outside Diameter 63 mm c) Class of pipe and pressure rating CI 3 25.14 kg/cm ² d) Batch or lot number	confirmed
	13.1.1	Colour of marking	-	Class 3 Colour Green	confirmed
	13.1.2	Blue Strip (for Type A)	-	The pipe for water supply, Type A shall additionally bear continuous longitudinal blue colour strip printing and this longitudinal blue colour strip shall be so placed as to not merge / disturb the information marked on the pipes as per 13.1	confirmed
	13.1.3	Lot number / batch number	-	shall include the details of production as per clause 13.1.3 (12 digit lot / batch number)	confirmed
	13.2	BIS Certification marking	-	Marking with CML - 6705270	confirmed

(Signature)
S Vijayakanth (Code:890)
Authorized Signatory

पेट्रोसायन अभियांत्रिकी एवं
गिकी संस्थान

(केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)
राज्य कार्यालय, पी. डी. आई. सेल्,
सायन एवं पेट्रो रसायन विभाग,
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CIPET / QF / 7742

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DOC NO

PART - A: PARTICULARS OF STORES
a Description of the items
b Grade/Variety/Type/Size/Class etc.
c Declared Value, if any
d Quantity
e Any Other Information

INSPECTION DOCUMENT

M/s. Toms Pipes Pvt. Ltd Industrial Estate P.O., Changanacherry, Kollayam (Mob:8589981878)
TOMS/21422, Dated: 26.12.2022
4085-2021
IB0N422230582256 / 4

page 4 of 8

DATE: 30.12.2022

UPVC pipes as per IS:4985-2021
50 mm DI S 5 (10.0 kg/m³) socket end for solvent cement jointing
24 mtrs (4 nos x 6 mtrs)
Batch Number 202211260031 202211260032 202211260033

PART - B: SUPPLEMENTARY INFORMATION

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

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: 50.3	min: 50.11 max: 50.24
3	7.1.1.2	Diameter at any Point	mm	min: 49.4 max: 50.6	min: 50.06 max: 50.25
4	7.1.2	Wall thickness	mm	min: 2.60 max: 3.30	min: 2.83 max: 2.96
5	7.1.4.1	Effective length	meter	min: 6.000	min: 6.015
		Socket length	mm	min: 51	min: 52.00
6	7.2.1.1	Mean Socket Inner Dia	mm	min: 50.1 max: 50.3	min: 50.15 max: 50.24
7	9.1	Pipe ends meant for solvent cementing	-	The ends of pipes 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
8	10.1	Visual Appearance/Color of the pipes	-	The Colour of the pipes shall be light grey. Slight variation in the appearance of the colour are permitted	confirmed
9	10.1.1	Internal & external surfaces of the pipe	-	Internal & External surface of pipe shall be smooth clean free from grooving & other defects	satisfactory
10	10.2	Opacity	%	0.2 (max)	0.30
11	10.4	Reversion test	%	+/- 6% (max)	3.8
12	10.5	Vicat softening Temperature	°C	80° C (Min)	84
13	10.6	Density	g/cm ³	1.40 to 1.46	1.50
14	10.7	Sulphated ash content Test	%	Shall not exceed 11 %	10.3
15	11.1	Hydrostatic characteristics 1 hr 27° C Acceptance Test 4.19 X 1.00 MPa	-	The pipe shall not fail during the prescribed test duration	confirmed
16	11.2	Resistance to External Blows at 0°C	%	Shall have a true impact rate of not more than 10%	confirmed (0/25)
17	13.1	Marking on each pipe	-	a) Manufacturer name or trade mark TOMS b) Outside Diameter 50 mm c) Class of pipe and pressure rating CI 5 41 90 kg/m ² d) Batch or lot number	confirmed
	13.1.1	Colour of marking	-	Class 5 Colour yellow	confirmed
	13.1.2	Blue Strip (for Type A)	-	The pipe for water supply, Type A shall additionally bear continuous longitudinal blue colour strip printing and this longitudinal blue colour strip shall be so placed as to not merge / disturb the information marked on the pipes as per 13.1	confirmed
	13.1.3	Lot number / batch number	-	shall include the details of production as per clause 13.1.3 (12 digit lot / batch number)	confirmed
	13.2	BIS Certification marking	-	Marking with CML - 6706270	confirmed

S. Vijayakanth
S Vijayakanth (Code:350)
Authorized Signatory

पेट्रोसायन अभियांत्रिकी एवं
 तकनीकी संस्थान
 केन्द्रीय प्लास्टिक इंजीनियरिंग एवं तकनीकी संस्थान)
 एम कार्यालय, पी. डी. आई. सेल्
 सायन एवं पेट्रो रसायन विभाग,
 एचएचएम एवं उर्वरक मंत्रालय, भारत सरकार
 टी. पी. के. औद्योगिक इस्टेट, गुिन्दी, चेन्नई - 600 032
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**CENTRAL INSTITUTE OF PETROCHEMICALS
 ENGINEERING & TECHNOLOGY (CIPET)**
 (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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 Phone : 044-29813708 (Direct) / 044-22254780 (Extn-502)
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CIPET / QF / 7742

Issued to
 Manufacturer / Supplier Inspection Call Letter No
 INSPECTION DOCUMENT AS PER IS NO. / QAP NO.
 DOC. NO

INSPECTION DOCUMENT

M/s. Toms Pipes Pvt. Ltd, Industrial Estate P.O., Changanacherry, Kottayam (Mob: 9589961878)
 TOMS/214/22, Dated: 26.12.2022
 4985-2021
 IS00422230502256 J 5

DATE: 30.12.2022

- PART - A : PARTICULARS OF STORES**
- a Description of the items
 - b Grade/Variety/Type/Size/Class etc
 - c Declared Value, if any
 - d Quantity
 - e Any Other Information

UPVC pipes as per IS:4985-2021
 50 mm Cl 4 (8.0 kg/cm²) socket end for solvent cement jointing
 n/l
 426 mtrs (71 nos x 6 mtrs)
 Batch Number 2022110410031 202211040032 202211040033

PART - B : SUPPLEMENTARY INFORMATION

- a Reference to sampling procedure

IS 4985 : 2021 (Random Sampling Method)

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			min: 50.20 max: 50.29
2	7.1.1.1	Mean outside diameter	mm	min: 50.0 max: 50.3	min: 50.04 max: 50.20
3	7.1.1.2	Diameter at any Point	mm	min: 49.4 max: 50.6	min: 2.32 max: 2.44
4	7.1.2	Wall thickness	mm	min: 2.30 max: 2.8	min: 6005
5	7.1.4.1	Effective length	meter	min: 6.000	min: 51.00
6	7.2.1.1	Socket length	mm	min: 31	min: 50.17 max: 50.26
		Mean Socket Inner Dia	mm	min: 50.1 max: 50.3	
7	9.1	Pipe ends meant for solvent cementing	-	The ends of pipes 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
8	10.1	Visual Appearance/Color of the pipes	-	The Colour of the pipes shall be light grey. Slight variation in the appearance of the colour are permitted	confirmed
9	10.1.1	Internal & external surfaces of the pipe	-	Internal & External surface of pipe shall be smooth, clean free from grooving & other defects.	satisfactory
10	10.2	Opacity	%	0.2 (max)	0.00
11	10.4	Flourescence test	%	+/- 5% (max)	2.5
12	10.5	Vicat softening Temperature	°C	80° C (Min)	84
13	10.6	Density	g/cm ³	1.40 to 1.45	1.44
14	10.7	Sulphated ash content Test	%	Shall not exceed 11 %	9.9
15	11.1	Hydraulics characteristics (1 hr 27° C Acceptance Test 4.19 X 0.85 MPa)	-	The pipe shall not fail during the prescribed test duration	confirmed
15	11.2	Resistance to External Blows at 0°C	%	Shall have a true impact rate of not more than 10%	confirmed (0/25)
17	13.1	Marking on each pipe	-	a) Manufacturer name or trade mark b) Outside Diameter c) Class of pipe and pressure rating d) Batch or lot number	confirmed
	13.1.1	Colour of marking	-	Class 4 Colour Brown	confirmed
	13.1.2	Blue Strip (for Type A)	-	The pipe for water supply, Type A shall additionally bear continuous longitudinal blue colour strip printing and the longitudinal blue colour strip shall be so placed as to not emerge / disturb the information marked on the pipes as per 13.1	confirmed
	13.1.3	Lot number / batch number	-	shall include the details of production as per clause 13.1.3 (12 digit lot / batch number)	confirmed
	13.2	BIS Certification marking	-	Marking with CML - 6705270	confirmed

S. Vijayakanth
 S. Vijayakanth (Code: 990)
 Authorized Signatory



75
 आज़ादी का
 अमृत महोत्सव

CIPET/QAP/TYPE

Issued to
 Manufacturer / Supplier Inspection Cell/Letter No
 INSPECTION DOCUMENT AS PER IS : NO. / QAP NO.
 DOC. NO

INSPECTION DOCUMENT

M/s Toms Pipes Pvt Ltd Industrial Estate P.O., Changanacherry, Kottayam (Mob:8586951878)
 TOMS/214/22, Dated:25.12.2022
 4985-2IG1
 IB0422231502256 J 6

DATE: 30.12.2022

- PART - A: PARTICULARS OF STORES**
- a Description of the items
 - b Grade/Variety/Type/Size/Class etc.
 - c Declared Value, if any
 - d Quantity
 - e Any Other Information

UPVC pipes as per IS 4985-2021
 50 mm CI 3 (8.0 kg/lcm²) socket end for solvent cement joining
 all
 10002 mtrs (1667 nos x 6 mtrs)
 Batch Number 202212080031 202212080032 202212080033
 202212260031 202212260032 202212260033

PART - B: SUPPLEMENTARY INFORMATION

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

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: 50.3	min: 50.18 max: 50.25
3	7.1.1.2	Diameter at any Point	mm	min: 49.4 max: 50.6	min: 50.06 max: 50.20
4	7.1.2	Wall thickness	mm	min: 1.70 max: 2.1	min: 1.71 max: 1.92
5	7.1.4.1	Effective length	meter	min: 8.000	min: 6006
6	7.2.1.1	Socket length	mm	min: 31	min: 51.00
		Mean Socket Inner Dia	mm	min: 50.1 max: 50.3	min: 50.17 max: 50.27
7	9.1	Pipe ends meant for solvent cementing	-	The ends of pipes meant for solvent cementing (both plain & bell ended) shall be clearly cut & shall be reasonably square to the axis of the pipe or may be chamfered at the plain end	satisfactory
8	10.1	Visual Appearance/Color of the pipes	-	The Colour of the pipes shall be light grey. Slight variation in the appearance of the colour are permitted	confirmed
9	10.1.1	Internal & external surfaces of the pipe	-	Internal & External surface of pipe shall be smooth, clean free from grooving & herdefects	satisfactory
10	10.2	Opacity	%	0.2 (max)	0.00
11	10.4	Reversion test	N	-/- 5% (max)	2.8
12	10.5	Heat softening Temperature	°C	80° C (Min)	84
13	10.6	Density	g/cm ³	1.40 to 1.45	1.44
14	10.7	Sulphated ash content Test	%	Shall not exceed 11 %	9.57
15	11.1	Hydrostatics characteristics1 hr/ 27° C Acceptance Test: 4.19 X 0.60 MPa	-	The pipe shall not fail during the prescribed test duration	confirmed
16	11.2	Resistance to External Blows at 0°C	%	Shall have a true impact rate of not more than 10%	confirmed (0/25)
17	13.1	Marking on each pipe	-	a). Manufacturer name or trade mark TOMS b). Outside Diameter 50 mm c). Class of pipe and pressure rating CI 3 25.14 kg/cm ² d). Batch or lot number	confirmed
	13.1.1	Colour of marking	-	Class 3 Colour Green	confirmed
	13.1.2	Blue Strip (for Type A)	-	The pipe for water supply, Type A shall additionally bear continuous longitudinal blue colour strip printing and this longitudinal blue colour strip shall be so placed as to not merge / disturb the information marked on the pipes as per 13.1	confirmed
	13.1.3	Lot number / batch number	-	shall include the details of production as per clause 13.1.3.(12 digit lot / batch number)	confirmed
	13.2	BIS Certification marking	-	Marking with CML - 67(527)	confirmed

S Vijayakanth (code 890)
 Authorised Signatory

पेट्रोसायन अभियांत्रिकी एवं
तकनीकी संस्थान

(एक राष्ट्रीय एकाधिकार इञ्जीनियरिंग एवं तकनीकी संस्थान)
प्रधान कार्यालय, पी. डी. आई. सेल,
रसायन एवं उर्वरक विभाग, भारत सरकार
टी. वी. के. औद्योगिक इस्टेट, गिन्दी, चेन्नई - 600 032
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CENTRAL INSTITUTE OF PETROCHEMICALS
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INSPECTION DOCUMENT AS PER IS - NO. / QAP NO.
DOC NO

INSPECTION DOCUMENT

Mrs. Toms Pipes Pvt.Ltd, Industrial Estate P.O., Changanacherry, Kottayam (Mob:8569961878)
TOMS/214/22, Dated:26.12.2022
4985-2021
IS0142231002256 J 7

DATE: 30.12.2022

PART - A:	PARTICULARS OF STORES
a	Description of the items
b	Grade/Variety/Type/Size/Class etc
c	Declared Value, if any
d	Quantity
e	Any Other Information

UPVC pipes as per IS:4985-2021
20mm CI 6 (12.5 kg/cm²) Plain end for solvent cement joining
nil
53004 mtrs (8804 nos x 6 mtrs) + (1 nos x 2 mtrs)
Batch Number 202211260011 202211260012 202211260013

PART - B: SUPPLEMENTARY INFORMATION

a Reference to sampling procedure

nil
IS 4985 : 2021 (Random Sampling Method)

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	mm	max. 20.0 max. 20.3	min. 20.14 max. 20.24
2	7.1.1.1	Mean outside diameter	mm	max. 19.5 max. 20.5	min. 20.05 max. 20.25
3	7.1.1.2	Diameter at any Point	mm	min. 1.40 max. 1.8	min. 1.52 max. 1.89
4	7.1.2	Wall thickness	mm	min. 6.000	min. 6.002
5	7.1.4.1	Effective length	mtr	min. 10	min.
6	7.2.1.1	Socket length	mtr	min. 20.1 max. 20.3	min. max.
7	9.1	Pipe ends meant for solvent cementing	-	The ends of pipes meant for solvent cementing (both plain & bell ended) shall be clearly cut & shall be reasonably square to the axis of the pipe or may be chamfered at the plain end	satisfactory
8	10.1	Visual Appearance/Color of the pipes	-	The Colour of the pipes shall be light gray. Slight variation in the appearance of the colour are permitted	confirmed
9	10.1.1	Internal & external surfaces of the pipe	-	Internal & External surface of pipe shall be smooth, clean free from grooving & other defects	satisfactory
10	10.2	Opacity	%	0.2 (max)	0.00
11	10.4	Reversion test	%	+/- 5% (max)	4.5
12	10.5	Vicat softening Temperature	°C	80° C (Min)	82
13	10.6	Density	g/cm ³	1.40 to 1.48	1.44
14	10.7	Sulphated ash content Test	%	Shall not exceed 11 %	10.52
15	11.1	Hydrostatic characteristics 1 hr 27° C Acceptance Test 4.10 X 1.25 MPa.	-	The pipe shall not fail during the prescribed test duration	confirmed
16	11.2	Resistance to External Blows at 0°C	%	Shall have a true impact rate of not more than 10%	confirmed (0/25)
17	13.1	Marking on each pipe	-	a) Manufacturer name or trade mark Toms b) Outside Diameter 20mm c) Class of pipe and pressure rating CI - 6 5238 kg/cm ² d) Batch or lot number	confirmed
	13.1.1	Colour of marking	-	Class 6 Colour Black	confirmed
	13.1.2	Blue Strip (for Type A)	-	The pipe for water supply, Type A shall additionally bear continuous longitudinal blue colour strip printing and this longitudinal blue colour strip shall be so placed as to not merge / disturb the information marked on the pipes as per 13.1	confirmed
	13.1.3	Lot number / batch number	-	shall include the details of production as per clause 13.1.3 (12 digit lot / batch number)	confirmed
	13.2	BIS Certification marking	-	Marking with OML - 6/052/20	confirmed

S. Vijayakanth (Scale:898)
Authorized Signatory

पेट्रोसायन अभियांत्रिकी एवं
 तकनीकी संस्थान
 (केन्द्रीय स्थापित इंजीनियरिंग एवं तकनीकी संस्थान)
 प्रधान कार्यालय, पी. डी. आई. सेन्टर
 रसायन एवं पेट्रो रसायन विभाग,
 टी. वी. के. औद्योगिक इस्टेट, गुन्दी, चेन्नई - 600 032
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CIPET / QF / 7742

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INSPECTION DOCUMENT

M/s Toms Pipes Pvt.Ltd, Industrial Estate P.O., Changanachery, Kottayam (Mob:9580981878)
 TONS/214/22, Dated: 26.12.2022
 4895-2021
 IB06422230502256

page 8 of 8

DATE: 30.12.2022

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	5.1.1	VCM content	Lot no 22561 22548 22579 22436	i-value 66.1 65 65.1 65.2	dated 14.12.2022 17.11.2022 03.11.2022 30.11.2022	Cemplexi Cuddalore Vnyls Ltd Reviewed
2	6.1.2	R-value				
3	10.3	Effect on water	test rpt no 22614	dated 11.11.2022	CIPET Kochi	Reviewed
4	11.1	Hydrostatic Characteristics Type Test: 1000 hour at 60° C	test rpt no 22673	dated 08.12.2022	CIPET Kochi	Reviewed

PART - D: REMARKS

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

S. Vijayakumar
 S. Vijayakumar (880)
 Authorized Signatory