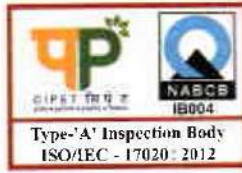


केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं
प्रौद्योगिकी संस्थान

(पूर्व में केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)

प्रधान कार्यालय, पी. डी. आई. सेल्
रसायन एवं पेट्रो रसायन विभाग,
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
टी. वी. के. औद्योगिक इस्टेट, गिंडी, चेन्नई - 600 032
दूरभाष : 044-29813708 (Direct) /044-22254780 (Extn-502)
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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

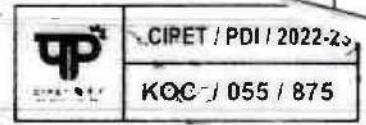
TVK Industrial Estate, Guindy, Chennai - 600 032

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E-mail : pdiho@cipet.gov.in

CIPET / QF / 7741

Name of the Inspecting Official: D. Maheshwarakannan		W.O.Centre : Kochi					
Code No.: 875		M/s.Rithvik Pipe Company, RVP Puthur, Chittur Tk, Palakkad Dt, Kerala-678 555					
INSPECTION REPORT							
1	Ref no: IB00422230502394	Date	13.01.2023				
2	Name of the Indenter / Consignee with detailed address	Office of the Executive Engineer, Kerala Water Authority, P.H. Division, Irinjalakuda - 680 121					
3	Indenter Order No. & Date and Extension	Department W.O.P.O nos :D6-2354/2022, dated 24.12.2022					
4	Details of the Consignee	Office of the Executive Engineer, Kerala Water Authority, P.H. Division, Irinjalakuda - 680 121 JJM-2021-2022-Meloor Grama Panchayath-(Phase II) Providing FHTCs to rural house holds Augmentation of existing water supply schemes					
5	Name of the Supplier / Contractor	M/s. Parambi constructions, Kizhakkumury, Thrissur					
6	Supplier Order No. & Date (if any)	-					
7	Name and address of the Manufacturer / Inspection site	M/s. Rithvik Pipe Company, RVP Puthur, Chittur Tk, Palakkad Dt, Kerala-678 555					
8	Manufacturer / Supplier Inspection Call Letter No. & Date	Rithvik001/22, dated: 28.12.2022					
9	PDI Cell Assignment No. & Date	CIPET/HO/PDI/2022236268, dated :12.01.2023					
10	Date of inspection	date of initiation	13.01.2023				
		date of completion	13.01.2023				
11	Any other information	Manufacturer BIS License No	CML - 5400119610				
		batch numbers:					
		Brand name	TOMS				
		2022 12 17 001 2	2022 12 16 002 1				
	2022 12 17 001 1 (63 mm CI 5)	2022 12 16 002 2 (75 mm CI 4)	2022 12 14 002 1				
		2022 12 17 002 1	2022 12 14 002 2 (75 mm CI 5)				
		2022 12 17 002 2					
DETAILS OF THE STORES							
Sl 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	63 mm class 5 (10 kgf/cm ² UPVC pipes socket end for solvent cement jointing	150 meters	NIL	150 meters (25 nos x 6 mtrs)	150 meters	NIL	NIL
2	75 mm class 4 (8 kgf/cm ² UPVC pipes socket end for solvent cement jointing	7980 meters	NIL	7980 meters (1330 nos x 6 mtrs)	7980 meters	NIL	NIL
3	75 mm class 5 (10 kgf/cm ² UPVC pipes socket end for solvent cement jointing	270 meters	NIL	270 meters (45 nos x 6 mtrs)	270 meters	NIL	NIL
Remarks : All accepted items are stamped thus-							



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 **IB00422230502394** / 1 / 2 / 3 dated **13.01.2023** 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

CC: 1. All concerned consignees / Supplier, 2. Manufacturer, 3. Contractor, 4. CIPET - Kochi

D. Maheshwarakannan
D. Maheshwarakannan (code:875)
Authorised Signatory

केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं
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(पूर्व में केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)

प्रधान कार्यालय, पी. डी. आई. सेल

रसायन एवं पेट्रो रसायन विभाग,

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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

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 Rithvik Pipe Company, RVP Puthur, Chittur Tk, Palakkad DI, Kerala-678 555

Rithvik/001/22, dated: 28.12.2022

4985-2021

IB00422230502394

J 1

page 1 of 4

DATE: 13.01.2023

UPVC pipes as per IS:4985-2021

63 mm CI 5 (10.0 kgf/cm²) socket end for solvent cement jointing

nil

150 mtrs (25 nos x 6 mtrs)

Batch Number 2022 12 17 001 2 2022 12 17 001 1

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

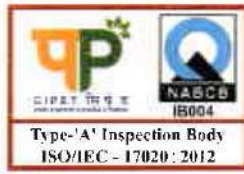
Sl. No.	Clause No./ QAP Sl. No.	Tests Witnessed	Unit	Specified requirements	Observed Results
1	7.1	Dimension of pipes			
2	7.1.1.1	Mean outside diameter	mm	min: 63.0 max: 63.3	min: 63.13 max: 63.22
3	7.1.1.2	Diameter at any Point	mm	min: 62.2 max: 63.8	min: 63.07 max: 63.28
4	7.1.2	Wall thickness	mm	min: 3.50 max: 4.1	min: 3.50 max: 3.65
5	7.1.4.1	Effective length	meter	min: 6.000	min: 6.008
6	7.2.1.1	Socket length	mm	min: 37.5	min: 44.00
		Mean Socket Inner Dia	mm	min: 63.1 max: 63.3	min: 63.10 max: 63.16
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)	0.02
11	10.4	Reversion test	%	+/- 5% (max)	2.79
12	10.5	Vicat softening Temperature	°C	80° C (Min)	81.5
13	10.6	Density	g/cm ³	1.40 to 1.46	1.45
14	10.7	Sulphated ash content Test	%	Shall not exceed 11 %	10.85
15	11.1	Hydrostatics 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 63 mm c). Class of pipe and pressure rating CI 5 41.90 kgf/cm 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 - 6400119610	confirmed

D. Manishwarakannan (Code:875)
Authorised Signatory

राष्ट्रीय पेट्रोरसायन अभियांत्रिकी एवं
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CIPET / QF / 7742

Issued to

Manufacturer / Supplier inspection Call Letter No
INSPECTION DOCUMENT AS PER IS NO. / CAP NO.
DOC NO

INSPECTION DOCUMENT

M/s Rithvik Pipe Company, RVP Puthur, Chittur Tk, Palakkad Dt, Kerala-678 555

Rithvik/001/22, dated: 28.12.2022

4985-2021

IB00422230502394

J 2

page 2 of 4

DATE: 13.01.2023

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

75 mm Cl 4 (8.0 kg/cm²) socket end for solvent cement joining

nil

7980 mtrs (1330 nos x 6 mtrs)

Batch Number 2022 12 16 002 1 2022 12 16 002 2 2022 12 17 002 1
2022 12 17 002 2

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

Sr. No.	Clause No./ CAP 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: 75.3	min: 75.16 max: 75.25
3	7.1.1.2	Diameter at any Point	mm	min: 74.1 max: 75.9	min: 75.07 max: 75.28
4	7.1.2	Wall thickness	mm	min: 3.40 max: 4.00	min: 3.42 max: 3.60
5	7.1.4.1	Effective length	meter	min: 6.000	min: 6.004
6	7.2.1.1	Socket length	mm	min: 43.5	min: 48.00
		Mean Socket Inner Dia	mm	min: 75.1 max: 75.3	min: 75.10 max: 75.18
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)	0.01
11	10.4	Reversion test	%	+/- 5% (max)	3.81
12	10.5	Vicat softening Temperature	°C	80° C (Min)	81.8
13	10.6	Density	g/cm ³	1.40 to 1.46	1.45
14	10.7	Sulphated ash content Test	%	Shall not exceed 11 %	10.8
15	11.1	Hydrostatics characteristics 1 hr/ 27° C Acceptance Test 4.19 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 75 mm c). Class of pipe and pressure rating Cl 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	BIS Certification marking	-	Marking with CML - 8400119610	confirmed

D. Maheshwarakannan (Code:875)
Authorised Signatory

राष्ट्रीय पेट्रोसायन अभियांत्रिकी एवं
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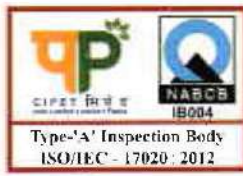
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CIPET / QF / 7742

Issued to

Manufacturer / Supplier Inspection Call Letter No.

INSPECTION DOCUMENT AS PER IS NO. / QAP NO.

DOC. NO

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 Rithvik Pipe Company, RVP Puthur, Chittur Tk, Palakkad Dt, Kerala-678 555

Rithvik/001/22, dated: 28.12.2022

4985-2021

IB00422230502394

/ 3

page 3 of 4

DATE: 13.01.2023

UPVC pipes as per IS:4985-2021

75 mm Cl 5 (10.0 kgf/cm²) socket end for solvent cement jointing

nil
270 mtrs (45 nos x 6 mtrs)

Batch Number 2022 12 14 002 1 2022 12 14 002 2

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: 75.3	min: 75.13 max: 75.26
3	7.1.1.2	Diameter at any Point	mm	min: 74.1 max: 75.9	min: 75.08 max: 75.28
4	7.1.2	Wall thickness	mm	min: 4.20 max: 4.90	min: 4.22 max: 4.38
5	7.1.4.1	Effective length	meter	min: 6.000	min: 6.005
6	7.2.1.1	Socket length	mm	min: 43.5	min: 50.00
		Mean Socket Inner Dia	mm	min: 75.1 max: 75.3	min: 75.10 max: 75.18
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)	0.01
11	10.4	Reversion test	%	+/- 5% (max)	3.2
12	10.5	Vicat softening Temperature	°C	80° C (Min)	81.4
13	10.6	Density	g/cm ³	1.40 to 1.46	1.45
14	10.7	Sulphated ash content Test	%	Shall not exceed 11 %	10.44
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 75 mm c). Class of pipe and pressure rating Cl 5 41.90 kgf/cm 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 CWL - 6400119610	confirmed

D. Maheshwarakannan (Code:875)
Authorised Signatory

राष्ट्रीय पेट्रोसायन अभियांत्रिकी एवं
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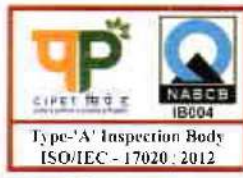
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M/s.Rithvik Pipe Company, RVP Puthur, Chittur Tk, Palakkad Dt, Kerala-678 555

Rithvik/001/22, dated: 28.12.2022

4985-2021

IB00422230502394

page 4 of 4

DATE: 13.01.2023

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 22052	k-value 65.1	dated 13.12.2022	Chemplast Cuddalore Vinyls Ltd Reviewed
2	6.1.2	K-value				
3	10.3	Effect on water	test rpt no 4680	dated: 22.12.2022	CIPET, Madurai	Reviewed
4	11.1	Hydrostatic Characteristics: Type Test : 1000 hour at 60° C	test rpt no 2-23/ 001	RVK/202 dated: 25.11.2022	M/s.Rithvik Pipe Company, RVP Puthur, Chittur Tk, Palakkad Dt, Kerala-678 555	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


D. Maheshwarakannan (Code:875)
Authorised Signatory