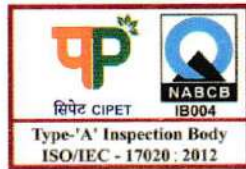


केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं
प्रौद्योगिकी संस्थान

(पूर्व में केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)

प्रधान कार्यालय, पी. डी. आई. सेल
रसायन एवं पेट्रो रसायन विभाग,
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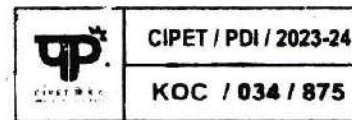
CIPET / QF / 7741

Name of the Inspecting Official: D. Maheshwarakannan		W.O. Centre Kochi	
(Code No: 875)		Camp at: M/s.Star pipes,Choolissery, Thrissur-680541	
INSPECTION REPORT			
1	Ref no: IB00423240502106	Date	25.09.2023
2	Name of the Indenter / Consignee with detailed address	Office of the Executive Engineer, Kerala Water Authority, P.H. Division, Iringalakuda-680 121	
3	Indenter Order No.&Date and Extension	Department W.O/P.O nos:D5-1672/2022, dated:20.09.2023	
4	Details of the Consignee	Office of the Executive Engineer, Kerala Water Authority, P.H. Division, Iringalakuda-680 121 JJM SN Puram panchayath, Phase - 1 CWSS to Nattika Firka from ongoing scheme (MVS) including distribution strengthening providing FHTCs to rural households	
5	Name of the Supplier / Contractor	Sri. M V Viswanathan, 2nd, V/409, Fathima Building, Eloor Rtoad, Kalamassery, Ernakulam-683 104	
6	Supplier Order No. & Date (If any)	-	
7	Name and address of the Manufacturer / Inspection site	M/s.Star pipes,Choolissery, Thrissur-680541	
8	Manufacturer / Supplier Inspection Call Letter No. & Date	Cly/21-09/2023-1, dated:21.09.2023	
9	PDI Cell Assignment No. & Date	CIPET/HO/PDI/2023244711, dated :23.09.2023	
10	Date of inspection	date of initiation	25.09.2023
		date of completion	25.09.2023
		Manufacturer BIS License No	CM/L - 6484482
		Brand name	star
			2023 09 18 005 1
11	Any other information	20 mm Cl 6 (12.5 kgf/cm 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	20 mm Class 6 (12.5 kgf/cm ²) UPVC Pipes Plain End for Solvent Cement Jointing	15000 Meters	NIL	(2500 nos x 6 mtrs)	15000 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 IB00423240502106 / 1 dated 25.09.2023 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.

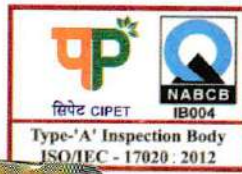
CC: 1. All concerned consignees / Supplier, 2. Manufacturer, 3. Contractor, 4. CIPET - Kochi


D. Maheshwarakannan (Code No: 875)
Authorised Signatory

पेट्रोसायन अभियांत्रिकी एवं
तकनीकी संस्थान

एन.टी.ए. में केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)

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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 Star pipes,Choolissery, Thrissur-680541

Cly/21-09/2023-1, dated:21.09.2023

4985-2021

IB00423240502106

/ 1

page 1 of 2

DATE: 25.09.2023

UPVC pipes as per IS:4985-2021

20 mm Cl 6 (12.5 kgf/cm²) Plain End for Solvent Cement Jointing

nil

15000 mtrs (2500 nos x 6 mtrs)

Batch Number 2023 09 18 005 1

PART - B: SUPPLIMENTARY 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: 20.0 Max: 20.3	Min: 20.12 Max: 20.18
3	7.1.1.2	Diameter at any Point	mm	Min: 19.5 Max: 20.5	Min: 20.14 Max: 20.22
4	7.1.2	Wall thickness	mm	Min: 1.40 Max: 1.8	Min: 1.44 Max: 1.64
5	7.1.4.1	Effective length	meter	Min: 6.000	Min: 6.005
6	7.2.1.1	Socket length	mm	Min: -	Min: -
		Mean Socket Inner Dia	mm	Min: - Max: -	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 cleanly cut & shall be reasonablysquare 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)	0.05
11	10.4	Reversion test	%	+/- 5% (max)	3.3
12	10.5	Vicat softening Temperature	°C	80° C (Min)	82.6
13	10.6	Density	g/cm ³	1.40 to 1.46	1.42
14	10.7	Sulphated ash content Test	%	Shall not exceed 11 %	10.09
15	11.1	Hydrostatics characteristics 1 hr/ 27° C Acceptance Test 4.19 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 b). Outside Diameter c). Class of pipe and pressure rating d). Batch or lot number	star 20 mm Class 6 12.50 kgf/cm ²
	13.1.1	Colour of Marking	-	Class - 1 / 2 / 3 / 4 / 5 / 6 / Plumbing Red / Blue / Green / Brown / Yellow / Black / Pink	Class 6 Black
	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 CM/L - 6484482	Confirmed

D. Maheshwarakannan (Code No: 875)
Authorised Signatory

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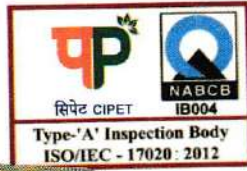
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Cly/21-09/2023-1, dated:21.09.2023

4985-2021

IB00423240502106

page 2 of 2

Date 25.09.2023

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 23786 k-value 65 dated 13.09.2023	Chemplast Cuddalore Vinyls Ltd	Reviewed
2	6.1.2	K-value			
3	10.3	Effect on water	Test Rpt No 22913 dated 01.03.2023	CIPET,kochi	Reviewed
4	11.1	Hydrostatic Characteristics: Type Test : 1000 hour at 60° C	Test Rpt No 22942 dated 17.03.2023	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%
- 4 calibration of equipments and instruments are verified

D. Maheshwarakannan

(Code No: 875)

Authorised Signatory