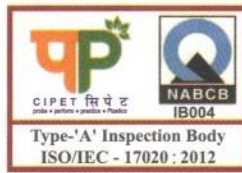


केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं  
प्रौद्योगिकी संस्थान

( 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)  
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.: 890

Camp at: M/s. Vajra Plastics, Erumathala P.O, Aluva - 683 112

INSPECTION REPORT

1	Ref No: IB00423240500105	Date	18.04.2023
2	Name of the Indenter / Consignee with detailed address	Executive Engineer, KWA, P.H Division, Irinjalakuda - 680 121.	
3	Indenter Order No.&Date and Extension	No: D5-1672/2022 Dated : 01.04.2023	
4	Details of the Consignee	Office of the Executive Engineer, KWA, P.H Division, Irinjalakuda - 680 121. JJM - S.N Puram Panchayath Phase - 1, CWSS to Nattika Frika and for Providing FHTCs to Rural house holds from Ongoing Scheme (MVS) Including Distribution Strengthening.	
5	Name of the Supplier / Contractor	Sri. M.V Viswanathan, Mecheril House, Binanipuram P.O, Edayar, Aluva.	
6	Supplier Order No. & Date (if any)	-	
7	Name and address of the Manufacturer / Inspection site	M/s. Vajra Plastics, XI / 140 A, Industrial Development Area, Erumathala P.O., Aluva, Ernakulam District, Kerala - 683 112	
8	Manufacturer / Supplier Inspection Call Letter No. & Date	VP20230413122 dated: 13.04.2023	
9	PDI Cell Assignment No. & Date	CIPET/HO/2023240269 Dated 15.04.2023	
10	Date of inspection	Date of Initiation	18.04.2023
		Date of Completion	18.04.2023
11	Any other information	Manufacturer BIS License No. CM/L - 6864593, Batch Numbers: (50 mm CI 3) 2023 04 06 002 A	

DETAILS OF THE STORES

SI 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	50 mm class 3 ( 6 kg/cm <sup>2</sup> ) UPVC pipes Socket end for solvent cement jointing	8000 Meters	NIL	8000 Meters ( 1333 Nos x 6 Mtrs ) ( 1 No x 2 Mtrs )	8000 Meters	NIL	NIL

Remarks : All accepted items are stamped thus-

Hologram: A 3079997 to A 3081330 (50 mm CI 3, Total 1334 Nos)

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 IB00423240500105 / 1

Dated 18.04.2023 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. Manufacturer, 2. Contractor, 3. CIPET - Kochi, 4. Consignee

  
S. Vijayakanth (Code: 890)  
Authorised Signatory

केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं  
प्रौद्योगिकी संस्थान

( पूर्व में केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान )

प्रधान कार्यालय, पी. डी. आई. सेल्

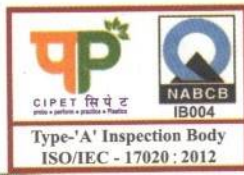
रसायन एवं पेट्रो रसायन विभाग,

रसायन एवं उर्वरक मंत्रालय, भारत सरकार

टी. वी. के. औद्योगिक इस्टेट, गिंडी, चेन्नई - 600 032

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

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

Page 1 of 2

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. Vajra Plastics, XI / 140 A, Industrial Development Area, Erumathala P.O., Aluva, Ernakulam District, Kerala - 683 112

VP20230413122 dated: 13.04.2023

4985-2021

DATE: 18.04.2023

IB00423240500105

UPVC pipes as per IS:4985-2021

50 mm class 3 ( 6.0 kg/cm<sup>2</sup>) Socket end for solvent cement jointing

Nil

8000 Mtrs ( 1333 Nos x 6 Mtrs ) ( 1 no x 2 mt )

Batch Number 2023 04 06 002 A

Nil

IS 4985 : 2021 ( Random Sampling Method)

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

PART - B: SUPPLEMENTARY INFORMATION

- a Reference to sampling procedure

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: 50.21 max: 50.28
3	7.1.1.2	Diameter at any Point	mm	min: 49.4 max: 50.6	min: 50.04 max: 50.34
4	7.1.2	Wall thickness	mm	min: 1.70 max: 2.1	min: 1.88 max: 2.02
5	7.1.4.1	Effective length	meter	min: 6.000	min: 6.018
6	7.2.1.1	Socket length Mean Socket Inner Dia	mm	min: 31 min: 50.1 max: 50.3	min: 40.0 min: 50.16 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	Light Grey, 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)	4.2
12	10.5	Vicat softening Temperature	°C	80° C ( Min)	82.6
13	10.6	Density	g/cm <sup>3</sup>	1.40 to 1.46	1.432
14	10.7	Sulphated ash content Test	%	Shall not exceed 11 %	9.8
15	11.1	Hydrostatics characteristics 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 b). Outside Diameter c). Class of pipe and pressure rating d). Batch or lot number	a). Aizar Super b). 50 mm c). Class-3 (6 kg/cm <sup>2</sup> ) d). 2023 04 06 002 A
	13.1.1	Colour of marking	-	Class - 1 / 2 / 3 / 4 / 5 / 6 Plumbing : Red / Blue / Green / Brown / Yellow / Black / Pink	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	Blue Strip, 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 No : 6864593	Marked with CM / L No : 6864593

S. Vijayakanth (Code : 890)  
Authorised Signatory

केन्द्रीय पेट्रोसायन अभियांत्रिकी एवं  
प्रौद्योगिकी संस्थान

( पूर्व में केन्द्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान )

प्रधान कार्यालय, पी. डी. आई. सेल्

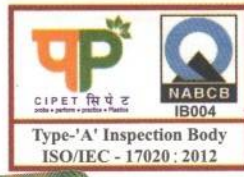
रसायन एवं पेट्रो रसायन विभाग,

रसायन एवं उर्वरक मंत्रालय, भारत सरकार

टी. वी. के. औद्योगिक इस्टेट, गिंडी, चेन्नई - 600 032

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

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

Page 2 of 2

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. Vajra Plastics, XI / 140 A, Industrial Development Area, Erumathala P.O., Aluva, Ernakulam District, Kerala - 683 112

VP20230413122 dated: 13.04.2023

4985-2021

IB00423240500105

DATE: 18.04.2023

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 23122 Dated : 22-03-2023 Lot no 23152 Dated : 28-03-2023 Lot no 23210 Dated : 10-04-2023	Chemplast Cuddalore Vinyls Ltd.	Reviewed
2	6.1.2	K-value			
3	10.3	Effect on water	Test No 22542 dated : 12-10-2022	CIPET, Kochi	Reviewed
4	11.1	Hydrostatic Characteristics: Type Test : 1000 hour at 60° C	Test Report No 22147, Dtd: 25.05.2022	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

  
S. Vijayakanth (Code : 890)  
Authorised Signatory

CIPET सि पेट  
probe · perform · practice · Plastics