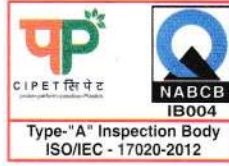


सेन्ट्रल इंस्टीट्यूट ऑफ़ पेट्रोकेमिकल्स
इंजीनियरिंग एण्ड टेक्नोलॉजी
(पूर्व में सेन्ट्रल इंस्टीट्यूट ऑफ़ प्लास्टिक्स इंजीनियरिंग एण्ड टेक्नोलॉजी)
प्रधान कार्यालय. पी.डी. आई सेल्
रसायन एवं पेट्रो रसायन विभाग
रसायन एवं उर्वरक मंत्रालय, भारत सरकार
टी.वी.के. औद्योगिक इस्टेट, गिंडी, चेन्नई - 600 032.
दूरभाष : 044-29813708 (Direct) / 044-22254780 (Extn.-502)
ई-मेल : pdicipet@gmail.com



**CENTRAL INSTITUTE OF PETROCHEMICALS
ENGINEERING & TECHNOLOGY**
(Formerly Central Institute of Plastics Engineering & Technology)
Head Office, PDI Cell
Department of Chemicals & Petrochemicals
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TVK Industrial Estate, Guindy, Chennai - 600 032.
Phone : +044-29813708 (Direct) / 044-22254780 (Extn.-502)
Email : pdicipet@gmail.com



CIPET / QF / 7741

Name of the Inspecting Official: : SHASHI KUMAR A.M
Code No. : 1565

W.O. Centre: Kochi
Camp at: M/s. Kunsons pipes Pvt. Ltd. Coimbatore

INSPECTION REPORT

1.	Ref. No : IB00422230502975	:	Date: 10.03.2023
2.	Name of the Indenter / Consignee with detailed address	:	The Executive Engineer, Kerala Water Authority, Office of the Executive Engineer ,P.H Division,Irinjalakuda – 680121.
3.	Indenter Order No. & Date and Extension	:	1. D4 – 2235/2022 Date: 30.01.2023 2. Agreement No. 60/SE/PHC/TSR/2022-23 Dated 23.01.2023
4.	Details of the Consignee	:	The Executive Engineer, Kerala Water Authority, Office of the Executive Engineer ,P.H Division,Irinjalakuda – 680121.. JJM- Parappukkara Grama panchayath –pipe line extension and providing FHTC at various places of parappukkara panchayath .
5.	Name of the Supplier / Contractor	:	Sri .M.V.Viswanathan mecheril house ,Binanipuram P.O Edayar Aluva 683502
6.	Supplier Order No. & Date (if any)	:	--
7.	Name and address of the Manufacturer / Inspection site	:	M/s Kunsons Pipes Pvt Ltd, SF No.458/1,458/2,459/A, 459/2A, Velamadai,Coimbatore-641010
8.	Manufacturer / Supplier Inspection Call Letter No. & Date	:	Ref.No. KUN HDPE/017 & Date: 24/02/2023
9.	PDI Cell Assignment No. & Date	:	CIPET/HO/2022237748 Date: 01.03.2023
10.	Date of inspection	:	Initiated on: 06.03.2023 Completed on: 10.03.2023
11.	Any other information	:	Manufacturer BIS License No. CM/L- 6500061612 Validity: 25.08.2023

DETAILS OF THE STORES

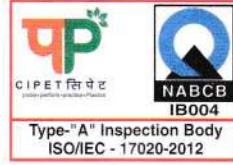
Sl. No	Description of the items	Quantity as per order in meter	Quantity inspected earlier (Cumulative) in meter	Quantity offered for Inspection in meter	Quantity Accepted in meter	Quantity Rejected in meter	Quantity Balance in meter
HDPE Pipes as per IS:4984:2016 with ISI certification mark							
1	HDPE Pipes Dia. 160mm PE-100 PN-8	5000	NIL	1800 (150 nos x 12 Mtrs)	1800 (150 nos x 12 Mtrs)	NIL	3200
<p>Remarks: All accepted items are stamped thus-</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>CIPET / PDI / 2022 2023</p> <p>MDU / 082/1565</p> </div> </div>							

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 IB00422230502975/01 dated 10.03.2023 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.

10/03/23
AUTHORISED SIGNATORY
 (SHASHI KUMAR A.M, code no. 1565)

CC: 1. M/s. Kunsons pipes Pvt. Ltd. Coimbatore 2. .M.Viswanathan Contractor 3.EE, KWA 4. CIPET –Kochi

इंस्टीट्यूट ऑफ पेट्रोकेमिकल्स
 इंजीनियरिंग एण्ड टेक्नोलॉजी
 में सेन्ट्रल इंस्टीट्यूट ऑफ प्लास्टिक्स इंजीनियरिंग एण्ड टेक्नोलॉजी
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CIPET / QF / 7742

Name of the Inspecting Official : SHASHI KUMAR A.M
 Code No. : 1565

W.O. Centre: Kochi
 Camp at: M/s. Kunsons pipes Pvt. Ltd. Coimbatore

INSPECTION DOCUMENT

Issued to: The Executive Engineer, Kerala Water Authority, Office of the Executive Engineer, P.H Division, Irinjalakuda - 680121
 Manufacturer / Supplier Inspection Call Letter Ref.No. : KUN HDPE/017 & Date: 24/02/2023
 INSPECTION DOCUMENT AS PER IS NO. / QAP NO. : 4984:2016

Page No.: 2 of 2
 DATE: 10.03.2023

DOC. NO.: IB00422230502975/01

PART - A: PARTICULARS OF STORES

- | | |
|---------------------------------------|---|
| a) Description of the items | : HDPE pipe |
| b) Grade/Variety/Type/Size/Class etc. | : 160 MM DIAMETER PE100 PN8 HDPE PIPE |
| c) Declared Value, if any | : Density - 0.952 gm/cc, MFI - 0.27gm/10min |
| d) Quantity | : 1800 (150 nos x 12 Mtrs) |
| e) Any Other Information | : Batch Numbers :202211020051 |

PART - B: SUPPLEMENTARY INFORMATION :

- | | |
|------------------------------------|------------------------------------|
| a) Reference to sampling procedure | : IS4984 : 2016 (Latest Amendment) |
|------------------------------------|------------------------------------|

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

Sl. No	Clause No.	Tests Witnessed	Unit	Specified Requirements	Observed Results	
1	6.2	Colour of pipe	----	Black	Black	
2	6.2.1	Dimension of Blue Stripes				
		Width	mm	Min. 3.0	3.10	
		Depth	mm	Max. 0.2	0.12	
3	7.1	Visual Appearance	----	The Internal & External surfaces shall be smooth, clean and free from grooving and other defects. Ends shall be cleanly cut and shall be square with the axis of the pipe	Satisfactory	
		Out of Squareness	mm	Max. 4.0	2.8	
		Length of straight pipe	Mtrs	12.00	12.10	
4	7.4	Dimensions of Pipe				
		7.4.1.1 Table-3	Outside Diameter			
			Minimum	mm	160.0	160.10
		Maximum	mm	161.1	160.90	
	7.4.1.1 Table-4	Wall Thickness				
		Minimum	mm	9.50	9.52	
		Maximum	mm	10.60	10.60	
7.4.1.2	Ovality	mm	Maximum 3.2	2.4		
5	8	Performance Requirement				
	8.1.1 Table-5	Hydraulic Characteristic (IPCR) Acceptance Test 48 hrs at 80°C @ 5.7 MPa Induced Stress	----	The sample shall show no signs of localized swelling, leakage or weeping and shall not burst during the Test Duration	Confirmed	
	8.2	Longitudinal Reversion Test	%	Max ± 3 %	1.6	
	8.3	Carbon Black Content	%	2.5 ± 0.5	2.16	
		Carbon Black Dispersion	----	Satisfactory	Satisfactory	
	8.4	Melt Flow Rate	g/10min	0.2 to 1.1	0.23	
	8.5	Oxidation Induction Time	min	Min20	22.36	
	8.7	Base Density at 27°C	Kg/m ³	930 to 960	0.960	
	8.9	Elongation at Break	%	≥ 350	655.10	
6	10	Marking on Pipe	----	Kunsons Pipes Pvt Ltd HDPE PIPE PE100 PN8 DN160 SDR13.6 IS 4984-2016 CM/L 6500061612, B. NO. 202211020051	Marking are as per Standard	

Review of Documents (if any)

Sl. No.	Clause No.	Tests Parameters/ Documents	Certificate/ Report No. & Date	Report Issued by	Review/ Remarks
1.	5.2, 6.1.1	Raw material property Lot No. 220640384 Grade: OPALene HM "P50H03"	Report No. OPALeneHMP50H03 Dt. 28.06.2022	ONGC Petro additions ltd	Reviewed & Confirmed
2.	Table-2	Master batch report Lot No. 23D22005, Grade: BLENDSPLDELUXE BLACKPC/13D	Report No. M/697 Dt. 09.07.2022	Blend Colours pvt ltd	
3.	8.1.1 Annex E	Internal Pressure Creep Rupture Test of Pipe (at 27°C for 100 h)	Report No.:22339 Date: 26.07.2022	CIPET-Kochi	Reviewed & Confirmed
4.	-do-	Internal Pressure Creep Rupture Test of Pipe (at 80°C for 165 h)			
5.	-do-	Internal Pressure Creep Rupture Test of Pipe (at 80°C for 1000 h)			
6.	8.6	Overall Migration			

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 Status of equipments / Instruments are verified.

AUTHORISED SIGNATORY
 (SHASHI KUMAR.A.M, code no. 1565)