



भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS  
गाज़ियाबाद शाखा कार्यालय  
GHAZIABAD BRANCH OFFICE



सत्यमेव जयते

शाखा कार्यालय: केन्द्रीय प्रयोगशाला (रसायन लैब ब्लॉक)

भूतल एवं प्रथम तल, प्लॉट नं.-20/9 साइट-IV साहिबाबाद

औद्योगिक क्षेत्र साहिबाबाद, गाज़ियाबाद-201010 (उ०प्र०)

Branch Office : Central Laboratory (Chemical Lab Block) Ground &  
1st Floor, Plot No. 20/9 Site-IV Sahibabad Industrial Area  
Sahibabad, Ghaziabad-201010 (U.P.)

E-mail : gzo@bis.org.in

Website : www.bis.org.in



दूरभाष : 0120-2771090, 0120-2771091 फ़ैक्स : 0120-2771094  
Phone : 0120-2771092, 0120-2771093 Fax :

Our Ref.:GZBO/CM/L 8700148715

Dated: 22-04-2022

Subject: Grant of BIS Certification Marks Licence No 8700148715 as per IS 4984:2016.

M/s. Conarch Associates Private Limited  
Khasra No. 1206 Khata NO. 807, Village Faridnagar  
Block Bhojpur, Ghaziabad,  
UTTAR PRADESH - 245304

Dear Madams(s)/Sir,

With reference to your application, we are pleased to inform you that the Certification Marks Licence has been granted to you to use the Standard Mark in respect of the followings:

**High density polyethylene pipes for potable water supplies**

Product:-

Grade/Class/Type/Variety

HIGH DENSITY POLYETHYLENE PIPES FOR POTABLE WATER SUPPLIES, PE 100, PN 5 to 10, DN 25 to up to and including DN 180

1. The licence is granted on the explicit condition that you will mark entire/substantial production which conforms to the Indian Standards.
2. The number assigned to this licence is CM/L- 8700148715 which has been made operative from 2022-03-31 and is valid upto 2023-03-30. The licence number should invariably be referred to in your future correspondence.
3. According to sub-regulation (1) &(3) of Paragraph 5 of scheme I of Schedule II under Bureau of Indian Standards (Conformity of Assessment) Regulation, 2018, the annual licence fee of Rs. 1000.00 and the marking fee for use of standard mark as per Annexure-I of Scheme I of BIS(Conformity assessment) Regulation 2018 is payable by you with effect from 2022-03-31 for the period of validity of the licence licence in advance.
4. Minimum marking fee stipulated in Annexure -I of scheme I of BIS (Conformity Assessment) Regulation 2018 is payable by you regardless of the whether you actually mark your product or not with the Standard Mark. **Our Receipt No. AA87PC2021002255** dated 2022-03-13 for the licence fee and the minimum marking fee for the first operative period is already \*issued/enclosed/being sent separately.
5. This advance minimum marking fee will be carried over to the next year on every renewal. The actual marking fee calculated on the unit rate on the production marked or the minimum marking fee, whichever is higher shall be payable by you at the time of renewal.

मुख्यालय: मानक भवन, 9 बहादुरशाह जफर मार्ग, नई दिल्ली-110002

H.O. : Manak Bhawan, 9 Bhadurshah Zafar Marg, New Delhi-110002

6. With a view to streamlining the reporting of quantity marked, calculation and collection of marking fee on the unit rate basis, fees will be calculated on the production marked during the first nine months of operation of the licence at the time of first renewal, and on the production marked during twelve months comprising the last three months of the previous operative year and the first nine months of the current operative year, at the time of the second and subsequent renewals. In case the licence expires, the entire production marked till the expiry date shall be taken into account for calculating the marking fee payable.
7. This supervision of the operation of the Scheme shall be done by a person responsible for the quality control function in your organization. Kindly inform us the name and designation of the person who will be held responsible for the operation and maintenance of the Scheme. Any future change in this respect will have to be communicated by you to us as and when these take place.
8. We are enclosing a sheet giving the preferred dimensions of the Standard Mark to enable you to prepare the designs of the Standard Mark for marking the above product Photographic reduction in any size is permissible. This will ensure the relative proportions of the different dimensions maintained. Preferred dimensions be used as far as possible.
9. On commencement of marking of your product for which you are licensed, you may advertise your product with Standard Mark in various media only during the validity of your licence. The use of Standard Mark on letterheads and publicity literature will be permitted only on receipt of your assurance that in the event of cancellation or lapsing of your licence, the Standard Mark on your letterheads, publicity literatures etc. will be destroyed/obliterated.
10. This licence is granted for your factory situated at Khasra No. 1206 Khata NO. 807, Village Faridnagar Block Bhojpur, Ghaziabad, UTTAR PRADESH - 245304. Privileges under the licence shall not be exercised by any other firm company/factory etc. This licence is not transferable in the event of shifting the manufacturing and testing equipment from the licensed premises to some other place, use of Standard Mark shall be stopped till the new premises are inspected and found to be satisfactory by us in respect of manufacturing and testing facilities available there and the address of the new premises is endorsed in the licence..
11. It may be noted that licence is granted under option 2 which is subject to the condition that if samples drawn on 25/03/2022 by BIS during the verification visit before grant of licence, fail to confirm to the requirements for relevant Indian Standards (in any requirement), the licence shall be put under suspension, and in case fresh sample after corrective action is not offered within one month of fresh sample fails to conform to the requirement of relevant Indian Standard, in any requirement, the licence shall be processed for cancellation.

Thanking You,

*S. K. DATTA*  
22/04/2022  
(S. K. DATTA)  
SCIENTIST-E& HEAD

भारतीय मानक ब्यूरो  
BUREAU OF INDIAN STANDARDS  
मानक चिह्न के उपयोग के लिए अनुज्ञप्ति  
Licence for the use of STANDARD MARK

लाइसेंस सं. सीएम/एल  
Licence No. CM/L- 8700148715

यह ब्यूरो, भारतीय मानक ब्यूरो अधिनियम, 2016 (2016 का 11) द्वारा प्रदत्त शक्तियों के आधार पर

में. कोणार्क एसोसिएट्स प्राइवेट लिमिटेड,  
खसरा न. 1206 खता न. 807, विलेज फरीदनगर  
ब्लॉक भोजपुर, गाजियाबाद,  
उत्तर प्रदेश – 245304

को (जिसे इसमें आगे 'अनुज्ञप्तिधारी' कहा गया है) इसकी प्रथम अनुसूची के पहले स्तंभ में विनिर्दिष्ट मानक चिह्न का इस अनुसूची के तीसरे स्तंभ में दी गई किस्मो पर, उपयोग करने के लिए अनुज्ञप्ति प्रदान करता है। इन उत्पादित किस्मो पर चिह्न का उपयोग उक्त अनुसूची के द्वितीय स्तंभ में समय-समय पर संशोधित अथवा पुनरीक्षित/संदर्भित संबंध भारतीय मानक (मानकों) के अनुसार/अनुरूप विनिर्मित हो।

By virtue of the power conferred on it by the BUREAU OF INDIAN STANDARDS ACT, 2016 (11 of 2016) the BUREAU hereby grants to

M/s Conarch Associates Private Limited  
Khasra No. 1206 Khata NO. 807, Village Faridnagar  
Block Bhojpur, Ghaziabad,  
UTTAR PRADESH – 245304

(hereinafter called the Licensee) this licence to use the Standard Mark set out in the first column of the Schedule hereto, upon or in respect of the varieties set out in the third column of the said Schedule which is manufactured in accordance with/conforms to the related Indian Standard(s) referred to in the second column of the said Schedule as from time to time amended or revised.

2. इस अनुज्ञप्ति में अनुबंध अनुज्ञप्ति की शर्तों के लिए अनुज्ञप्तिधारी उत्तरदायी हैं। यह अनुज्ञप्ति पहली अनुसूची में यथा-उल्लिखित नाम, कारखाना के पते और अवधि के लिए विधिमान्य होगा और इसे स्कीम-I में निर्दिष्टानुसार नवीकृत कराया जा सकता है।

2. This licence carries the obligations on the part of licence as condition of licence which are given in Annexure attached herewith. The licence shall be valid for the name, factory address and period as mentioned in the schedule and may be renewed as specified in the scheme-I

अनुसूची

SCHEDULE

लाइसेंस सं. सीएम/एल

LICENCE NO. CM/L- 8700148715

नाम: में. कोणार्क एसोसिएट्स प्राइवेट लिमिटेड,


फैक्ट्री एड्रेस: खसरा न. 1206 खता न. 807, विलेज फरीदनगर, ब्लॉक भोजपुर, गांजियाबाद, उत्तर प्रदेश - 245304

विधिमान्यता: इकतीस मार्च दो हज़ार बाईस से तीस मार्च दो हज़ार तेइस तक

**Name:** M/s s Conarch Associates Private Limited,

**Factory Address:** Khasra No. 1206 Khata NO. 807, Village Faridnagar, Block Bhojpur, Ghaziabad, UTTAR PRADESH - 245304

**Validity:** From Thirty First March Two Thousand Twenty Two to Thirty March Two Thousand Twenty Three

मानक चिह्न STANDARD MARK	भारतीय मानक INDIAN STANDARD(S)	अनुज्ञप्ति का विषय क्षेत्र SCOPE OF LICENCE	चिहनांकन शुल्क MARKING FEE
(1)	(2)	(3)	(4)
IS 4984  CM/L- 8700148715	IS 4984 : 2016 HIGH DENSITY POLYETHYLENE PIPES FOR POTABLE WATER SUPPLIES	HIGH DENSITY POLYETHYLENE PIPES FOR POTABLE WATER SUPPLIES, PE 100, PN 5 to 10, DN 25 to up to and including DN 180	एक वर्ष की प्रचालन अवधि के दौरान न्यूनतम मुहरांकन फीस ₹ 40000.00 के साथ सभी इकाईयों के लिए ₹ 86.40 प्रति इकाई। इकाई: 1 TON  ₹ 86.40 per unit for all units with a Minimum Marking Fee of ₹ 40000.00 during an operative period of one year. Unit: 1 TON

आज

दो हज़ार बाईस को हस्ताक्षरित तथा मोहरबंद किया गया।

Signed, Sealed and Dated this

22<sup>nd</sup> April

Two Thousand Twenty Two.

कृते भारतीय मानक ब्यूरो  
for BUREAU OF INDIAN STANDARDS

  
(S. K. DATTA)  
SCIENTIST-E & HEAD

# DAKSHINANCHAL VIDYUT VITRAN NIGAM LTD, AGRA

No.: 05062022/CE(MM-1)/Insp./Camp Gzb.

Date: 05.06.2022

Sub: Inspection of HDPE Pipe PE100 PN6 DN200, PE100 PN6 DN160, PE100 PN6 DN110 and PE100 PN6 DN50 (IS:4984) Against OM No. 142-Works/14-PCL/2022-138-K/2011 Dated 19.01.2022

M/s Manisha Projects Pvt. Ltd.,  
B-61, Pushpanjli Enclave, Pitampura,  
Delhi.

Works/ Conarch Associates Pvt. Ltd.  
✓ Khasra no 1206, Khata no 807  
Faridnagar, Modinagar (Ghaziabad)

Sir,

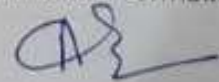
In referrence to CE (MM-1) DVVNL, Agra Letter no 4607/DVVNL/CE(MM)/MI/NPTI(2022) dated: 01.06.2022 and your site offer letter no. CAPL/Inspection/102 Dated: 05.06.2022, the undersigned visited your works along with Er. Ravi shankar, Inspecting officer NPTI, Faridabad on Date: 05.06.2022, Where following material was offered for inspection and testing:

S.no	Description of Material	Qty. Offered (Mtrs)	Qty. Consumed in Testing	Qty. Accepted (Mtrs)
1	HDPE Pipe PE100 PN6 DN200	3030	30	3000
2	HDPE Pipe PE100 PN6 DN160	3030	30	3000
3	HDPE Pipe PE100 PN6 DN110	1030	30	1000
4	HDPE Pipe PE100 PN6 DN50	518	18	500

Out of the offered material lot, 05 nos (30 mtrs) HDPE Pipe were selected at random for PE100 PN6 DN200, PE100 PN6 DN160 & PE100 PN6 DN110 and 03 nos (18 mtrs) HDPE Pipe were selected at random for PE100 PN6 DN50 size and subject to all the acceptance test/routine test as per IS/G.T.P., all test results were found satisfactory (Reports enclosed).

All the measuring instruments provided by the firm. In case any deviation if found later, the firm shall be held responsible for the same in respect to approved GTP/IS on account of wrong calibration of equipments or any other reason whatsoever.

On the basis of joint inspection reports, you are hereby authorized to dispatch 3000 mtrs, 3000 mtrs, 1000 mtrs and 500 mtrs HDPE Pipes of aforesaid size to the respective consignee as per dispatch instruction to be issued by CE (MM-1) DVVNL, Agra after completing all the contractual formalities and fulfilment of other conditions.



Amit Varshney  
EE(Works) DVVNL, Agra

No.: 05062022/CE(MM-1)/Insp./Camp Gzb.

Date: 05.06.2022

Copy to:

- (1) C.E. (MM-1), DVVNL Agra.
- (2) Er. Ravi Shankar, NPTI Faridabad.
- (3) Cut file.

Amit Varshney  
EE(Works) DVVNL, Agra

# DAKSHIANCHAL VIDYUT VITRAN NIGAM LTD. ALIGARH.

No.: 17052022/CE(MM-1)/Insp./Camp Gzb.

Date: 17.05.2022

Sub: Inspection of HDPE Pipe PE100 PN6 DN160, PE100 PN6 DN110 and PE100 PN6 DN50 (IS:4984)  
Against OM No. 142-Works/14-PCL/2022-138-K/2011 Dated 19.01.2022

✓ M/s Manisha Projects Pvt. Ltd.,  
B-61, Pushpanjli Enclave, Pitampura,  
Delhi

Works: Conarch Associates Pvt. Ltd.  
Khasra no 1206, Khata no 807  
Faridnagar, Modinagar (Ghaziabad)

Dear Sir,

In reference to CE (MM-1) DVVNL, Agra Letter no 3843/DVVNL/CE(MM)/MI/NPTI(2022) dated: 13.05.2022 and your site offer letter no. CAPL/Inspection/101 Dated: 17.05.2022, the undersigned visited your works along with Er. Ravi Shankar, Inspection officer NPTI, Faridabad on Date: 17.05.2022, Where following material was offered for inspection and testing:

S.no	Description of Material	Qty. Offered (Mtrs)	Qty. Consumed in Testing	Qty. Accepted (Mtrs)
1	HDPE Pipe PE100 PN6 DN160	4030	30	4000
2	HDPE Pipe PE100 PN6 DN110	518	18	500
3	HDPE Pipe PE100 PN6 DN50	518	18	500

Out of the offered material lot 05 nos (30 mtrs) HDPE Pipe were selected at random for PE100 PN6 DN160 and 03 nos (18 mtrs) HDPE Pipe were selected at random for PE100 PN6 DN110 & PE100 PN6 DN50 sizes and subject to all the acceptance test/routine test as per IS/G.T.P., all test results were found satisfactory (Reports enclosed).

All the measuring instruments provided by the firm. In case any deviation if found later, the firm shall be held responsible for the same in respect to approved GTP/IS on account of wrong calibration of equipments or any other reason whatsoever.

On the basis of joint inspection reports, you are hereby authorized to dispatch 4000 mtrs, 500 mtrs and 500 mtrs HDPE Pipe to the respective consignee as per dispatch instruction to be issued by CE (MM-1) DVVNL, Agra after completing all the contractual formalities and fulfilment of other conditions.



Ajay Kumar  
AE(M), DVVNL, Agra

No.: 17052022/CE(MM-1)/Insp./Camp Gzb.

Date: 17.05.2022

Copy to:

- (1) C.E. (MM-1), DVVNL Agra.
- (2) Er. Ravi Shankar, NPTI Faridabad.
- (3) Cut file.

# DAKSHIANCHAL VIDYUT VITRAN NIGAM LTD. ALIGARH.

No.: 08082022/CE(QC)/Insp./Camp Gzb.

Date: 08.08.2022

Sub: Inspection of HDPE Pipe PE100 PN6 DN160 (IS:4984) Against PO No. 142-Works/14-PCL/2022-138-K/2011 Dated 19.01.2022

M/s Manisha Projects Pvt. Ltd.,  
B-61, Pushpanjli Enclave, Pitampura,  
Delhi.

✓ Works: Conarch Associates Pvt. Ltd.  
Khasra no 1206, Khata no 807  
Faridnagar, Modinagar (Ghaziabad)

Dear Sir,

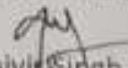
In referrence to CE(QC) DVVNL, Agra Letter no 208/DVVNL/CE(QC)/MI/NPTI(2022) dated: 04.08.2022 and your site offer letter no. MPPL/ASCL/2021-22/147 dated- 20.07.2022 and our site offer no CAPL/Inspection/102 dated – 08.08.2022 the undersigned visited your works along with Er. Irfan Ali, Inspection officer NPTI, Faridabad on Date: 08.08.2022, Where following material was offered for inspection and testing:

S.no	Description of Material	Qty. Offered (Mtrs)	Qty. Consumed in Testing	Qty. Accepted (Mtrs)
1	HDPE Pipe PE100 PN6 DN160	3030	30	3000

Out of the offered material lot 05 nos (30 mtrs) HDPE Pipe were selected at random for PE100 PN6 DN160 sizes and subject to all the acceptance test as per IS/G.T.P., all test results were found satisfactory (Reports enclosed).

All the measuring instruments provided by the firm. In case any deviation if found later, the firm shall be held responsible for the same in respect to approved GTP/IS on account of wrong calibration of equipments or any other reason whatsoever.

On the basis of joint inspection reports, you are hereby authorized to dispatch 3000 mtrs HDPE Pipe to the respective consignee as per dispatch instruction to be issued by CE (QC) DVVNL, Agra after completing all the contractual formalities and fulfilment of other conditions.

  
Rajvir Singh


EE(EUTD), DVVNL, Mathura

No.: No.: 08082022/CE(QC)/Insp./Camp Gzb.

Date: 08.08.2022

Copy to:

- (1) C.E. (QC), DVVNL Agra.
- (2) Er. Irfan Ali NPTI, Faridabad
- (3) Cut file.

  
Rajvir Singh  
EE(EUTD), DVVNL, Mathura

# DAKSHIANCHAL VIDYUT VITRAN NIGAM LTD. Agra

No.: 17122022/CE(QC)/Insp./Camp Gzb.

Date: 17.12.2022

Sub: Inspection of HDPE Pipe PE100 PN6 DN160 (IS:4984)

Shri Ganesh Enterprises.,  
ITI Road, Aligarh

Works: Conarch Associates Pvt. Ltd.  
Khasra no 1206, Khata no 807  
Faridnagar, Modinagar (Ghaziabad)

Dear Sir,

In reference to 2297/DVVNL/CE(QC)/INP(2022) Dated:-16.12.2022 and your site offer letter no. NIL Dated:- 16.12.2022 and our site offer no CAPL/Inspection/104 dated - 17.12.2022 the undersigned visited your works on Date: 17.12.2022, Where following material was offered for inspection and testing:

S.no	Description of Material	Qty. Offered (Mtrs)	Qty. Consumed in Testing	Qty. Accepted (Mtrs)
1	HDPE Pipe PE100 PN6 DN 160	930	30	900 (150 nos)

Out of the offered material lot, 05 nos (30 mtrs) HDPE Pipe were selected at random for sample testing subject to all the acceptance test/routine test as per IS/G.T.P., all test results were found satisfactory (Reports enclosed).

All the measuring instruments provided by the firm. In case any deviation if found later, the firm shall be held responsible for the same in respect to approved GTP/IS on account of wrong calibration of equipment's or any other reason whatsoever. Sample Sealed by signed paper Sticker

On the basis of inspection reports, you are hereby authorized to dispatch 900 Mtrs (150 nos) HDPE Pipe to the respective consignee as per dispatch instruction to be issued by CE (QC) DVVNL, Agra after completing all the contractual formalities and fulfilment of other conditions.



Er. Deep Chandra

AE(Work shop),DVVNL, Shikohabad

Date: 17.12.2022

No.: No.: 17122022/CE(QC)/Insp./Camp Gzb.

Copy to:

- (1) C.E. (QC), DVVNL Agra.
- (2) SE(MM)
- (3) SE (Store)
- (4) Cut file

Er. Deep Chandra  
AE(Work shop),DVVNL, Shikohabad



# DAKSHIANCHAL VIDYUT VITRAN NIGAM LTD. ALIGARH.

No.: 14092022/CE(QC)/Insp./Camp Gzb.

Date: 14.09.2022

Sub: Inspection of HDPE Pipe PE100 PN6 DN160 (IS:4984) Against PO No. 142-Works/14-PCL/2022-138-K/2011 Dated 19.01.2022

M/s Manisha Projects Pvt. Ltd.,  
B-61, Pushpanjli Enclave, Pitampura,  
Delhi.

Works: Conarch Associates Pvt. Ltd.  
Khasra no 1206, Khata no 807  
Faridnagar, Modinagar (Ghaziabad)

Dear Sir,

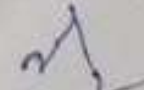
In referrence to CE(QC) DVVNL, Agra Letter no 926/DVVNL/CE(QC)/MI/NPTI(2022) dated: 13.09.2022 and your site offer letter no. MPPL/ASCL/2021-22/151 dated- 23.08.2022 and our site offer no CAPL/Inspection/103 dated – 14.09.2022 the undersigned visited your works along with Er. Irfan Ali, Inspection officer NPTI, Faridabad on Date: 14.09.2022, Where following material was offered for inspection and testing:

S.no	Description of Material	Qty. Offered (Mtrs)	Qty. Consumed in Testing	Qty. Accepted (Mtrs)
1	HDPE Pipe PE100 PN6 DN 200	3030	30	3000
2	HDPE Pipe PE100 PN6 DN 160	6030	30	6000
3	HDPE Pipe PE100 PN6 DN110	1030	30	1000

Out of the offered material lot, 05 nos (30 mtrs) HDPE Pipe were selected at random for PE100 PN6 DN200, PE100 PN6 DN160 & PE100 PN6 DN110 and subject to all the acceptance test/routine test as per IS/G.T.P., all test results were found satisfactory (Reports enclosed).

All the measuring instruments provided by the firm. In case any deviation if found later, the firm shall be held responsible for the same in respect to approved GTP/IS on account of wrong calibration of equipments or any other reason whatsoever.

On the basis of joint inspection reports, you are hereby authorized to dispatch 3000 mtrs, 6000 Mtrs, 1000 Mtrs HDPE Pipe to the respective consignee as per dispatch instruction to be issued by CE (QC) DVVNL, Agra after completing all the contractual formalities and fulfilment of other conditions.


  
Er. Sachin Kumar  
AE(M),EUTD, Aligarh

Date: 14.09.2022

No.: No.: 14/CE(QC)/Insp./Camp Gzb.

Copy to:

- (1) C.E. (QC), DVVNL Agra.
- (2) Er. Er. Irfan Ali NPTI, Faridabad
- (3) Cut file

  
Er. Sachin Kumar  
AE(M),EUTD, Aligarh

# CONARCH ASSOCIATES PRIVATE LIMITED

Faridnagar, Modinagar (Ghaziabad)

CIN NO: - U45400UP2021PTC145802

Ref: CAPL/Inspection/104

Date :- 17.12.2022

## Site-Offer

To,  
The Inspection Officer  
DVVNL, Agra  
Sub: Inspection of HDPE Pipe.  
Ref: Authorization Letter No. 2297/DVVNL/CE(QC)/INP(2022) dated: 16.12.2022


Dear Sir,  
We are Pleased to offer below mentioned quantity of HDPE pipes for inspection at our works,

S.no	Description of Material	Qty. Offered (Nos.)	Offered Length (Mtr)
1	HDPE Pipe PE 100 PN 6 DN 160	155	930

Thanking You.

Yours Faithfully



  
17/12/2022

**ACCEPTANCE TEST REPORT (DIMENSION)- HDPE PIPES (AS PER IS:4984)**

Report No. : CAPL/2022-23/ACT13  
 Customer : Shri Ganesh Enterprises, ITI Roas, Aligarh.  
 Description of Product : PE-100, PN-6, DN-160  
 Quantity : 900 Mtrs (150 Pipes)  
 Batch Nos. : 20221208001A00  
 No. of Samples : 50 Nos.  
 Date of Testing : 17.12.2022

Sample no.	Batch No.	Outside Diameter	Wall thickness (mm)		Ovality (mm)	Length (mm)	Visual Appearance
		160±1.0 mm	Min: 7.70	Max: 8.60	Max: 3.2		
1	20220730001A00/OB0	160.66	7.85	8.26	1.80	6010	Satisfactory
2	20220730001A00/OB0	160.32	7.82	8.25	1.70	6009	Satisfactory
3	20220730001A00/OB0	160.50	7.80	8.27	1.90	6008	Satisfactory
4	20220730001A00/OB0	160.30	7.85	8.26	1.70	6012	Satisfactory
5	20220730001A00/OB0	160.66	7.80	8.26	1.80	6010	Satisfactory
6	20220730001A00/OB0	160.32	7.82	8.25	1.70	6009	Satisfactory
7	20220730001A00/OB0	160.66	7.85	7.85	1.90	6010	Satisfactory
8	20220730001A00/OB0	160.70	7.82	8.25	1.70	6009	Satisfactory
9	20220730001A00/OB0	160.66	7.85	8.26	1.80	6010	Satisfactory
10	20220730001A00/OB0	160.32	7.82	8.25	1.70	6009	Satisfactory
11	20220730001A00/OB0	160.50	7.85	8.30	1.70	6008	Satisfactory
12	20220731001A00/OB0	160.68	7.80	8.26	1.90	6012	Satisfactory
13	20220731001A00/OB0	160.70	7.82	8.26	1.80	6008	Satisfactory
14	20220731001A00/OB0	160.30	7.85	8.26	1.70	6012	Satisfactory
15	20220730001A00/OB0	160.50	7.85	8.30	1.70	6008	Satisfactory
16	20220731001A00/OB0	160.68	7.80	8.26	1.90	6012	Satisfactory
17	20220731001A00/OB0	160.70	7.82	8.26	1.80	6008	Satisfactory
18	20220731001A00/OB0	160.30	7.85	8.26	1.70	6012	Satisfactory
19	20220731001A00/OB0	160.66	7.80	8.26	1.80	6010	Satisfactory
20	20220731001A00/OB0	160.32	7.82	8.25	1.70	6009	Satisfactory
21	20220731001A00/OB0	160.66	7.85	7.85	1.90	6010	Satisfactory
22	20220731001A00/OB0	160.70	7.82	8.25	1.70	6009	Satisfactory
23	20220731001A00/OB0	160.66	7.85	8.26	1.80	6010	Satisfactory
24	20220731001A00/OB0	160.32	7.82	8.25	1.70	6009	Satisfactory
25	20220731001A00/OB0	160.50	7.85	8.30	1.70	6008	Satisfactory
26	20220731001A00/OB0	160.68	7.80	8.26	1.90	6012	Satisfactory
27	20220731001A00/OB0	160.70	7.82	8.26	1.80	6008	Satisfactory
28	20220731001A00/OB0	160.66	7.85	8.26	1.80	6010	Satisfactory
29	20220731001A00/OB0	160.32	7.80	8.26	1.90	6005	Satisfactory
30	20220731001A00/OB0	160.70	7.81	8.28	1.80	6010	Satisfactory
31	20220819001A00/OB0	160.50	7.83	8.26	1.60	6008	Satisfactory
32	20220819001A00/OB0	160.66	7.80	8.26	1.80	6010	Satisfactory
33	20220819001A00/OB0	160.32	7.82	8.25	1.70	6012	Satisfactory
34	20220819001A00/OB0	160.32	7.80	8.26	1.90	6005	Satisfactory



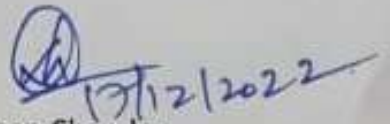
17/12/2022

35	20220819001A00/OB0	160.70	7.81	8.28	1.80	6010	Satisfactory
36	20220819001A00/OB0	160.50	7.80	8.27	1.90	6008	Satisfactory
37	20220819001A00/OB0	160.30	7.85	8.26	1.70	6012	Satisfactory
38	20220819001A00/OB0	160.68	7.80	8.26	1.90	6012	Satisfactory
39	20220819001A00/OB0	160.70	7.82	8.26	1.80	6008	Satisfactory
40	20220819001A00/OB0	160.34	7.81	8.27	1.90	6010	Satisfactory
41	20220820001A00/OB0	160.50	7.85	8.30	1.70	6008	Satisfactory
42	20220820001A00/OB0	160.70	7.81	8.28	1.80	6010	Satisfactory
43	20220820001A00/OB0	160.50	7.83	8.26	1.60	6008	Satisfactory
44	20220820001A00/OB0	160.66	7.80	8.26	1.80	6010	Satisfactory
45	20220820001A00/OB0	160.32	7.82	8.25	1.70	6012	Satisfactory
46	20220820001A00/OB0	160.32	7.80	8.26	1.90	6005	Satisfactory
47	20220820001A00/OB0	160.70	7.81	8.28	1.80	6010	Satisfactory
48	20220820001A00/OB0	160.50	7.80	8.27	1.90	6008	Satisfactory
49	20220820001A00/OB0	160.50	7.83	8.26	1.60	6008	Satisfactory
50	20220820001A00/OB0	160.68	7.82	8.26	1.80	6012	Satisfactory

Witnessed By

  
 Manager  
 Conarth Associates Pvt. Ltd  
 Chaziabad



  
 Er. Deep Chandra  
 AE(Work shop),DVVNL, Shikohabad

### ACCEPTANCE TEST REPORT (PERFORMANCE) AS PER IS: 4984


Report No. : CAPL/2022-23/13 Date of Testing: 17.12.2022  
 Customer : Shri Ganesh Enterprises, ITI Roas, Aligarh.  
 Quantity : 900 Mtrs (150 Pipes)  
 Description of Product : PE-100, PN-6, DN-160  
 Batch Nos. : 20221208001A00  
 No. of Samples : 05 Nos. (Performance Test)

Sl. No.	Tests	Ref Clause	Specification Requirements	No. of Sample	Observed value					Remarks
1	Reversion Test	8.2	3% max	5	1.7%	1.6%	1.7%	1.5%	1.5%	Passed
2	Base Density	8.7	The base density should be 930.0 kg/m <sup>3</sup> to 960.0 kg/m <sup>3</sup> at 27°C	5	948.8	950.4	950.8	949.6	951.3	Passed
3	Melt Flow Index	8.4	0.2 to 1.1 gms/10 min	5 Compo site sample	0.30 gms/10mins (Avg.)					Passed
4	Carbon Black Content	8.3	2.5 ± 0.5%		2.46% (Avg.)					Passed
5	Carbon Black Dispersion	8.3	Carbon Black Dispersion shall be satisfactory		Satisfactory					Passed
6	Oxidation Induction Time	8.5	≥ 20 Min.	5	26 - 41 Min.					Passed
7	Elongation at Break	8.9	≥ 350%	5	358 - 484 %					Passed
8	Hydrostatic test	8.1	Pipe shall not show any signs of localized swelling, leakage & shall not burst during the prescribed duration	T. C. Reviewed.						

Witnessed By:

  
 Manager  
 Conarch Enterprises Pvt. Ltd  
 Ghazisbad




  
 Er. Deep Chandra  
 AE(Work shop), DVVNL, Shikohabad

## JOINT INSPECTION REPORT

1	Customer	:	Dakshinanchal Vidyut Vitran Nigam Ltd., Agra
2	Inspection Call Letter No.	:	2297/DVVNL/CE(QC)/INP(2022) Dated:-16.12.2022
3	Turnkey Contractor	:	Shri Ganesh Enterprises, ITI Roas, Aligarh
4	Name of Manufacturer	:	Conarch Associates Pvt. Ltd, Khasra no 1206, Khata no 807, Faridnagar, Modinagar (Ghaziabad)
5	Place of Inspection	:	Faridnagar, Khasra no 1206,
6	Date of Inspection	:	17.12.2022
7	Name of Inspection Officer	:	Er. Deep Chandra AE(Work shop),DVVNL, Shikohabad
8	Customer Name	:	
9	Material Description	:	1. HDPE Pipe PE100 PN6 DN160
10	Quantity Offered as per Inspection Cell	:	1. 930 mtrs
11	Quantity Accepted as on Date of inspection	:	1. 900 Mtrs (150 nos)
12	Sampling detail with serial nos, (If any)	:	1. 30 mtrs (5nos x 6 mtrs)
13	Observations	:	NIL
14	Conclusions	:	All Above Motioned tests carried out as per IS/Approved GTP and the test results found as per IS Specified norms. Hence the offered lot of Material is acceptable. It is sole responsibility of manufacturer/Supplier to supply quality material as per approved GTP & should not deviate from it
15	Attach Documents	:	Joint Inspection Report
		:	Site offer Letter
		:	Acceptance test Reports
		:	Calibration Certificates
		:	Raw Material TC
		:	Type Test report
16	Other Remarks (If any)	:	Photograph
16	Other Remarks (If any)	:	Nil
17	Dispatch Authorization	:	The test results are found in order and the firm is advised to dispatch the material to the respective consignee after completing all the contractual formalities as per instruction contained in inspection.

  
 Manager  
 Conarch Associates Pvt. Ltd  
 Ghaziabad



  
 Er. Deep Chandra  
 AE(Work shop),DVVNL, Shikohabad  
 17/12/2022


# CONARCH ASSOCIATES PVT. LTD

## SAMPLING PLAN FOR HDPE PIPE AS PER IS:4984 WITH OFFERED QUANTITY

Dated: 17.12.2022

Name of Client		DVVNL, Agra							
Name of Buyer		Shri Ganesh Enterprises, ITI Roas, Aligarh							
Reference No. of Call Letter		2297/DVVNL/CE(QC)/INP(2022) Dated:-16.12.2022							
Size	Qty offered in Nos	Batch No.	Visual & Dimensional	Density	MFI	Carbon Content	Carbon Dispersion	Reversion, OIT and Elongation	Hydraulic Characteristics
HDPE Pipe PE 100 PN 6 DN 160	900 mtr (150 nos)	202212080 01A00	50 nos	5 nos	5 nos	5 nos	5 nos	5 nos	TC Reviewed



  
13/12/2022



# CONARCH ASSOCIATES PRIVATE LIMITED

CIN No. U45400UP2021PTC145802

## Application for change in scope of licence

The Head  
GZBO  
Bureau of Indian Standards  
Ghaziabad

Dear Sir/Madam,

I/we, carrying on business at KHASRA NO. 1206 KHATA NO. 807 VILLAGE FARIDNAGAR BLOCK BHOJPUR Ghaziabad, UP (Full factory and office address) apply for inclusion of new varieties mentioned as detailed below in Licence No. – 8700148715 granted by the Bureau of Indian Standards.

1. Indian Standard No. IS 4984:2016

Product Title: **HDPE Pipes for portable water supplies**

Existing Scope of Licence:

**PE 100, PN 5 to 10, DN 25 to up to and including DN 180**

Extension/Reduction in scope desired

**PE 100/ PE 80 /PE 63, PN 5 to 10, DN 200mm to up to and including DN 315 mm**

Test report(s), enclosed Yes/ No/Not-Applicable

2. List of additional manufacturing machinery: **Enclosed** and/or test equipment's required, if any
3. I/We have made the payment of **₹5000/-** vide Receipt No. \_\_\_ dated..... towards the above application.

Date:- 31.08.2022

  
Signature

Name: **Shalabh Kumar Goel**

Designation: **Director**

**For Conarch Associates Pvt. Ltd.**

  
Director



Form – II

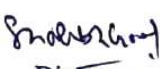
(Refer sub-clause (iii) of clause (a) of sub paragraph (1) of paragraph 3 of Scheme – 1)

DECLARATION REGARDING TEST EQUIPMENT

1. Application/Licence No. :- **CM/L :- 8700148715**
2. Name/Address:-**M/s Conarch Associates Private Limited**  
**Add.:- Khasara No. 1206, Khata No. 807, Village Faridnagar, Block Bhojpur - UP**

Sr. No.	Test Equipment/Chemicals and Identification Numbers (Where applicable)	Least Count and Range (Where applicable)	Valid Calibration (Where required) Yes/No	Tests Used in with Clause Reference	Remarks (Indicate number of Equipment)
1	Complete set of end caps	From 200mm to 315mm	No		Complete Set

Note: Attach extra sheet, if required

<p>I hereby declare that the testing equipment details of which given above are available with us</p> <p>I also declare that I will send prior intimation to Bureau of Indian Standards whenever any testing equipment is not available due to any reason.</p> <p>Signature of firm's representative  <b>For Conarch Associates Pvt. Ltd.</b>    Name <b>Shalabh Goel</b>  Designation <b>Director</b>  Date <b>31.08.2022</b></p>	<p>I have verified the availability of the above mentioned testing equipment during my inspection.</p> <p>Sig. of Bureau of Indian Standards certification officer _____</p> <p>Name _____  Designation _____  Date of verification _____</p>
---	---

## Form – I

(Refer sub-clause (ii) of clause (a) of sub paragraph (1) of paragraph 3 of Scheme – 1)

DECLARATION REGARDING MANUFACTURING  
MACHINERY1. Application/Licence No- **CM/L :- 8700148715**2. Name/Address:-**M/s Conarch Associates Private Limited****Add.:- Khasara No. 1206, Khata No. 807, Village Faridnagar, Block Bhojpur - UP**

Sr. No.	Machinery	Make/ Identification No.	Production capacity per day, if applicable	Number	Remarks
1.	Die, Sizer, Mandrels	LOCAL	Sizes From 200mm upto 315mm	Complete Set	

Note: Attach extra sheet, if required

<p>I hereby declare that the machinery details of which given above are available with us</p> <p>I also declare that I will send prior intimation to Bureau of Indian Standards whenever any machinery is not available due to any reason</p> <p>Signature of Firm's Representative _____</p> <p>Name <b>Shalabh Goel</b> For Conarch Associates Pvt. Ltd.</p> <p>Designation <b>Director</b></p> <p>Date <b>31.08.2022</b></p> <p style="text-align: right;"><i>Shalabh Goel</i> Director</p>	<p>I have verified the availability of the above mentioned machinery during my inspection.</p> <p>Sig. of Bureau of Indian Standards officer _____</p> <p>Name _____</p> <p>Designation _____</p> <p>Date of verification _____</p>
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केंद्रीय पेट्रोकेमिकल्स इंजीनियरिंग  
एवं तकनीकी संस्थान (सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)  
रसायन एवं पेट्रो रसायन विभाग  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
डी सी आर यू एस टी कैंपस, 50 माईल स्टोन,  
एन एच -1 मुरथल, जिला - सोनीपत-131039 (हरियाणा)  
फोन : 0130-2203000-29  
फैक्स : 0130-2203010  
ई-मेल : murthal@cipet.gov.in  
cipetmurthal@gmail.com  
वेबसाइट : www.cipet.gov.in  
मुख्यालय : गिण्डी, चेन्नै - 600 032



CENTRAL INSTITUTE OF PETROCHEMICALS  
ENGINEERING & TECHNOLOGY (CIPET)  
(Formerly Central Institute of Plastics Engineering & Technology)

Department of Chemicals & Petrochemicals  
Ministry of Chemicals & Fertilizers, Govt. of India  
Near Dcrust Campus, 50th Mile Stone, Nh-1  
Murthal, Distt. Sonapat-131039 (Haryana)  
Phone : 0130-2203000-29  
Fax : 0130-2203010  
E-mail : murthal@cipet.gov.in  
cipetmurthal@gmail.com  
Website : www.cipet.gov.in  
Head Office : Guindy, Chennai - 600 032

सिपेट / मुरथल / परीक्षण / 2022-23 / 463

दिनांक : 24/08/2022

सेवा में,

**Conarch Associates Private Limited**  
**Office: 3<sup>rd</sup> C-97, Nehru Nagar**  
**Ghazibad -201001**

**विषय : Partial:** परीक्षण प्रतिवेदन संख्या 098 A1 to A9(P) भेजने के सम्बन्ध में।

**संदर्भ :** आपका पत्र Ref No. Nil. दिनांक :01/08/2022

महोदय,

कृपया आपके **Polyethylene Pipes sample as per IS 4984:2016 with latest amendments –reg.**के परीक्षण के संदर्भ में इस पत्र के साथ परीक्षण प्रतिवेदन संख्या 098 A1 to A9(P) संलग्न प्राप्त करें।

इस पत्र के साथ ग्राहक संतुष्टी पत्र को संलग्न कर रहे हैं। कृपया करके आप इसे भरकर हमारे रिकार्ड के लिए वापस भेज दे।

धन्यवाद,

भवदीय

  
**Director & Head**

संलग्नक: परीक्षण प्रतिवेदन संख्या 098 A1 to A9(P).

केंद्रीय पेट्रोकेमिकल्स इंजीनियरिंग

एवं तकनीकी संस्थान (सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)

रसायन एवं पेट्रो रसायन विभाग

रसायन एवं उर्वरक मंत्रालय, भारत सरकार

डी सी आर यू एस टी कैंम्पस, 50 माईल स्टोन,

एन एच-1 मुरथल, जिला-सोनीपत-131039(हरियाणा)

फोन : 0130-2203000-29

फैक्स : 0130-2203010

ई-मेल : murthal@cipet.gov.in

cipetmurthal@gmail.com

वेबसाइट : www.cipet.gov.in

मुख्यालय : गिण्डी, चेन्नै - 600 032



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CENTRAL INSTITUTE OF PETROCHEMICALS

ENGINEERING & TECHNOLOGY (CIPET)

(Formerly Central Institute of Plastics Engineering & Technology)

Department of Chemicals & Petrochemicals

Ministry of Chemicals & Fertilizers, Govt. of India

Near DCRUST Campus, 50th Mile Stone, NH-1

Murthal, Distt. Sonapat-131039 (Haryana)

Phone : 0130-2203000-29

Fax : 0130-2203010

E-mail : murthal@cipet.gov.in

cipetmurthal@gmail.com

Website : www.cipet.gov.in

Head Office : Guindy, Chennai - 600 032

PLASTIC TESTING CENTRE  
TEST CERTIFICATE



12730

Issued to

Conarch Associates Private Limited

Office: 3<sup>rd</sup> C-97, Nehru Nagar

Ghazibad -201001

Test Report No: 098A1(P)

Date: 24/08/2022

Ref. No. and Date: आपका पत्र Ref No. : Nil. दिनांक :01/08/2022

TEST REPORT AS PER IS 4984 : 2016 with latest amendments

**PART - A**

**PARTICULARS OF SAMPLE SUBMITTED**

a) Name of the Sample	:	HDPE Pipe as stated by party- reg.
b) Grade / Variety / Type / Size/ Class	:	PE 100 PN 6 DN 63 Pipe Sample as stated by party.
c) Declared Value, if any	:	Nil.
d) Code No.	:	Nil.
e) Batch No. and Date of Manufacture	:	Nil.
f) Quantity	:	05 nos. of each code as submitted by party.
g) Mode of Packing	:	Packed in Bag
h) Sealed or not	:	Not Sealed.
i) Any other information	:	Test Sample received without signature of IO' S .
j) Date of receipt of Sample	:	04/08/2022
k) Date of Commencement of Test	:	05/08/2022
l) Date of completion of testing	:	17/08/2022

Note:

1. This report, in full or part, shall not be published, advertised, used for any legal action, unless prior permission has been secured
2. This test report is only for the sample tested

**PART - B**

**SUPPLEMENTRY INFORMATIONS**

a) Reference to sampling procedure wherever applicable	:	Sample Supplied by the Party
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or Photographs as appropriate to test report, if any (to be attached).	:	Graph Attached
c) Deviation from the test methods as prescribed in relevant work instruction, if any	:	Not Applicable

Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory




## Continuation Sheet

Test Report No.098A1(P)

Date: 24/08/2022

Part-C						
Test Results of Polyethylene Pipes (PE100 PN6 DN63 ) sample as per IS 4984 : 2016 with latest amendments						
Sl. No.	Cl. No.	Name of the Test	Test Method / Standard	Unit	Specified Requirements	Test Value Obtained
						A1
1	6.2.1	Dimension of Blue Stripes	IS 4984 : 2016 with latest amendments			
		Width		mm	Min. : 3	3.5
		Depth		mm	Shall not more than 0.2	0.15
2	7.4	Dimension of Pipe				
	7.4 Table 3	Outside Diameter		mm	Min. 63.0	63.10
		Ovality		mm	Max. 63.4	63.32
	7.4 Table 4	Wall Thickness				
		Minimum		mm	Max. 1.5	0.22
Maximum	mm	Min.3.0		3.12		
3	8.2	Reversion		%	Max.3.4	3.39
4	8.3	Carbon Black Content	%	Shall not be greater than 3%	1.69	
5		Carbon Black Dispersion	-	2-3	2.38	
6	8.4	Melt Flow Index	gm/10min	Shall be Satisfactory	Satisfactory	
7	8.7	Density	Kg/m <sup>3</sup>	0.2-1.1	0.464	
8	8.9	Elongation at Break	%	940 - 960	951.2	
				Minimum 350	408.0	

- Note:
1. This Test Report / Certificate is issued only for the samples submitted to CIPET.
  2. The results stated above related only to the items tested.
  3. The quality of the subsequent production lot has to be ensured by the purchaser.
  4. The test certificate shall not be reproduced in full except without the written approval of the laboratory.
  5. Selection of the samples for individual test have been done in accordance with respective clauses of standard
  6. Details of the subcontracted: NIL
  7. Remnant samples will be disposed after 03 months from the date of issue of test report.
  8. Statement of conformity of a specification or standard is provided by laboratory taking into account the level of risk associated/borderline case with the decision rule employed.

  
**Mr. Tabrej Ahmad- (A.T.O.)**  
 Authorized Signatory

  
**Mr. Krishna Pratap Singh- ( T.O.)**  
 Authorized Signatory

केंद्रीय पेट्रोकेमिकल्स इंजीनियरिंग  
एवं तकनीकी संस्थान (सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)  
रसायन एवं पेट्रोरसायन विभाग  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
डी सी आर यू एस टी कैम्पस, 50 माईल स्टोन,  
एन एच-1 मुरथल, जिला-सोनीपत-131039(हरियाणा)  
फोन : 0130-2203000-29  
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cipetmurthal@gmail.com  
वेबसाइट : www.cipet.gov.in  
मुख्यालय : गिण्डी, चेन्नै - 600 032



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Near DCRUST Campus, 50th Mile Stone, NH-1  
Murthal, Distt. Sonapat-131039 (Haryana)  
Phone : 0130-2203000-29  
Fax : 0130-2203010  
E-mail : murthal@cipet.gov.in  
cipetmurthal@gmail.com  
Website : www.cipet.gov.in  
Head Office : Guindy, Chennai - 600 032

PLASTIC TESTING CENTRE  
TEST CERTIFICATE



12731

Issued to

**Conarch Associates Private Limited**  
**Office: 3<sup>rd</sup> C-97, Nehru Nagar**  
**Ghazibad -201001**

Test Report No: 098A2(P)  
Date: 24/08/2022

Ref. No. and Date: आपका पत्र Ref No. : Nil. दिनांक :01/08/2022

TEST REPORT AS PER IS 4984 : 2016 with latest amendments

**PART - A**

**PARTICULARS OF SAMPLE SUBMITTED**

a) Name of the Sample	:	HDPE Pipe as stated by party- reg.
b) Grade / Variety / Type / Size/ Class	:	PE 100 PN 6 DN 75 Pipe Sample as stated by party.
c) Declared Value, if any	:	Nil.
d) Code No.	:	Nil.
e) Batch No. and Date of Manufacture	:	Nil.
f) Quantity	:	05 nos. of each code as submitted by party.
g) Mode of Packing	:	Packed in Bag
h) Sealed or not	:	Not Sealed.
i) Any other information	:	Test Sample received without signature of IO' S .
j) Date of receipt of Sample	:	04/08/2022
k) Date of Commencement of Test	:	05/08/2022
l) Date of completion of testing	:	17/08/2022

**Note:**

1. This report, in full of part, shall not be published, advertised, used for any legal action, unless prior permission has been secured
2. This test report is only for the sample tested

**PART - B**

**SUPPLEMENTRY INFORMATIONS**

a) Reference to sampling procedure wherever applicable	:	Sample Supplied by the Party
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or Photographs as appropriate to test report, if any (to be attached).	:	Graph Attached
c) Deviation from the test methods as prescribed in relevant work instruction, if any	:	Not Applicable

  
Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

  
Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory



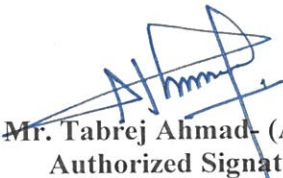
## Continuation Sheet

Test Report No.098A2(P)

Date: 24/08/2022

Part- C						
Test Results of Polyethylene Pipes (PE 100 PN6 DN 75) sample as per IS 4984 : 2016 with latest amendments						
Sl. No.	Cl. No.	Name of the Test	Test Method / Standard	Unit	Specified Requirements	Test Value Obtained
						A2
1	6.2.1	<b>Dimension of Blue Stripes</b>	IS 4984 : 2016 with latest amendments			
		Width		mm	Min. : 3	3.4
Depth	mm	Shall not more than 0.2		0.15		
2	7.4	<b>Dimension of Pipe</b>				
	7.4 Table 3	Outside Diameter		mm	Min. 75.0	75.09
		Ovality		mm	Max. 75.5	75.30
	7.4 Table 4	<b>Wall Thickness</b>				
Minimum		mm		Min.3.6	3.78	
		Maximum			Max.4.1	4.09
3	8.2	Reversion		%	Shall not be greater than 3%	1.69
4	8.3	Carbon Black Content	%	2-3	2.54	
5		Carbon Black Dispersion	-	Shall be Satisfactory	Satisfactory	
6	8.4	Melt Flow Index	gm/10min	0.2-1.1	0.863	
7	8.7	Density	Kg/m <sup>3</sup>	940 - 960	956.5	
8	8.9	Elongation at Break	%	Minimum 350	388.0	

- Note:
1. This Test Report / Certificate is issued only for the samples submitted to CIPET
  2. The results stated above related only to the items tested.
  3. The quality of the subsequent production lot has to be ensured by the purchaser.
  4. The test certificate shall not be reproduced in full except without the written approval of the laboratory.
  5. Selection of the samples for individual test have been done in accordance with respective clauses of standard
  6. Details of the subcontracted: NIL
  7. Remnant samples will be disposed after 03 months from the date of issue of test report.
  8. Statement of conformity of a specification or standard is provided by laboratory taking into account the level of risk associated/borderline case with the decision rule employed.

  
Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

  
Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory

केंद्रीय पेट्रोकेमिकल्स इंजीनियरिंग  
एवं तकनीकी संस्थान (सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)  
रसायन एवं पेट्रोसायन विभाग  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
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एन एच-1 मुरथल, जिला-सोनीपत-131039(हरियाणा)  
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मुख्यालय : गिण्डी, चेन्नै - 600 032



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CENTRAL INSTITUTE OF PETROCHEMICALS  
ENGINEERING & TECHNOLOGY (CIPET)  
(Formerly Central Institute of Plastics Engineering & Technology)  
Department of Chemicals & Petrochemicals  
Ministry of Chemicals & Fertilizers, Govt. of India  
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cipetmurthal@gmail.com  
Website : www.cipet.gov.in  
Head Office : Guindy, Chennai - 600 032

PLASTIC TESTING CENTRE  
TEST CERTIFICATE

12732

Issued to

Conarch Associates Private Limited  
Office: 3<sup>rd</sup> C-97, Nehru Nagar  
Ghaziabad -201001



Test Report No: 098A3(P)  
Date: 24/08/2022

Ref. No. and Date: आपका पत्र Ref No. : Nil. दिनांक :01/08/2022

TEST REPORT AS PER IS 4984 : 2016 with latest amendments

PART - A

PARTICULARS OF SAMPLE SUBMITTED

a) Name of the Sample	:	HDPE Pipe as stated by party- reg.
b) Grade / Variety / Type / Size/ Class	:	PE100 PN6 DN90 Pipe Sample as stated by party.
c) Declared Value, if any	:	Nil.
d) Code No.	:	Nil.
e) Batch No. and Date of Manufacture	:	Nil.
f) Quantity	:	05 nos. of each code as submitted by party.
g) Mode of Packing	:	Packed in Bag
h) Sealed or not	:	Not Sealed.
i) Any other information	:	Test Sample received without signature of IO' S .
j) Date of receipt of Sample	:	04/08/2022
k) Date of Commencement of Test	:	05/08/2022
l) Date of completion of testing	:	17/08/2022

Note:

1. This report, in full or part, shall not be published, advertised, used for any legal action, unless prior permission has been secured
2. This test report is only for the sample tested

PART - B

SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure wherever applicable	:	Sample Supplied by the Party
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or Photographs as appropriate to test report, if any (to be attached).	:	Graph Attached
c) Deviation from the test methods as prescribed in relevant work instruction, if any	:	Not Applicable

Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory

Contd....2/-  
Page No. 1 of 2





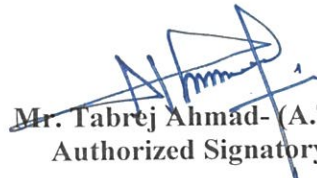
## Continuation Sheet

Test Report No.098A3(P)

Date: 24/08/2022

Part- C						
Test Results of Polyethylene Pipes (PE100 PN6 DN90) sample as per IS 4984 : 2016 with latest amendments						
Sl. No.	Cl. No.	Name of the Test	Test Method / Standard	Unit	Specified Requirements	Test Value Obtained
						A3
1	6.2.1	Dimension of Blue Stripes	IS 4984 : 2016 with latest amendments			
		Width		mm	Min. : 3	3.4
		Depth		mm	Shall not more than 0.2	0.15
2	7.4	Dimension of Pipe				
	7.4 Table 3	Outside Diameter		mm	Min. 90.0	90.02
		Ovality		mm	Max. 90.6	90.53
	7.4 Table 4	Wall Thickness			Max. 1.8	0.51
		Minimum		mm	Min.4.3	4.50
	Maximum			Max.4.9	4.86	
3	8.2	Reversion		%	Shall not be greater than 3%	1.67
4	8.3	Carbon Black Content	%	2-3	2.44	
5		Carbon Black Dispersion	-	Shall be Satisfactory	Satisfactory	
6	8.4	Melt Flow Index	gm/10min	0.2-1.1	0.872	
7	8.7	Density	Kg/m <sup>3</sup>	940 - 960	950.0	
8	8.9	Elongation at Break	%	Minimum 350	392	

- Note:
1. This Test Report / Certificate is issued only for the samples submitted to CIPET
  2. The results stated above related only to the items tested.
  3. The quality of the subsequent production lot has to be ensured by the purchaser.
  4. The test certificate shall not be reproduced in full except without the written approval of the laboratory.
  5. Selection of the samples for individual test have been done in accordance with respective clauses of standard
  6. Details of the subcontracted: NIL
  7. Remnant samples will be disposed after 03 months from the date of issue of test report.
  8. Statement of conformity of a specification or standard is provided by laboratory taking into account the level of risk associated/borderline case with the decision rule employed.

  
Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

  
Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory

केंद्रीय पेट्रोकेमिकल्स इंजीनियरिंग  
एवं तकनीकी संस्थान (सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)  
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रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
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एन एच-1 मुरथल, जिला-सोनीपत-131039(हरियाणा)  
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फैक्स : 0130-2203010  
ई-मेल : murthal@cipet.gov.in  
cipetmurthal@gmail.com  
वेबसाइट : www.cipet.gov.in  
मुख्यालय : गिण्डी, चेन्नै - 600 032



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CENTRAL INSTITUTE OF PETROCHEMICALS  
ENGINEERING & TECHNOLOGY (CIPET)

(Formerly Central Institute of Plastics Engineering & Technology)  
Department of Chemicals & Petrochemicals  
Ministry of Chemicals & Fertilizers, Govt. of India  
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cipetmurthal@gmail.com  
Website : www.cipet.gov.in  
Head Office : Guindy, Chennai - 600 032

PLASTIC TESTING CENTRE  
TEST CERTIFICATE

12733

Issued to

Conarch Associates Private Limited  
Office: 3<sup>rd</sup> C-97, Nehru Nagar  
Ghazibad -201001



Test Report No: 098A4(P)  
Date: 24/08/2022

Ref. No. and Date: आपका पत्र Ref No. : Nil. दिनांक :01/08/2022

TEST REPORT AS PER IS 4984 : 2016 with latest amendments

PART - A

PARTICULARS OF SAMPLE SUBMITTED

- |   |   |   |
|---|---|---|
| a) Name of the Sample                   | : | HDPE Pipe as stated by party- reg.                |
| b) Grade / Variety / Type / Size/ Class | : | PE100 PN6 DN110 Pipe Sample as stated by party.   |
| c) Declared Value, if any               | : | Nil.  |
| d) Code No.                             | : | Nil.  |
| e) Batch No. and Date of Manufacture    | : | Nil.  |
| f) Quantity                             | : | 05 nos. of each code as submitted by party.       |
| g) Mode of Packing                      | : | Packed in Bag                                     |
| h) Sealed or not                        | : | Not Sealed.                                       |
| i) Any other information                | : | Test Sample received without signature of IO' S . |
| j) Date of receipt of Sample            | : | 04/08/2022  |
| k) Date of Commencement of Test         | : | 05/08/2022  |
| l) Date of completion of testing        | : | 17/08/2022  |

Note:

1. This report, in full of part, shall not be published, advertised, used for any legal action, unless prior permission has been secured
2. This test report is only for the sample tested

PART - B

SUPPLEMENTRY INFORMATIONS

- |   |   |                              |
|---|---|------------------------------|
| a) Reference to sampling procedure wherever applicable  | : | Sample Supplied by the Party |
| b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or Photographs as appropriate to test report, if any (to be attached). | : | Graph Attached               |
| c) Deviation from the test methods as prescribed in relevant work instruction, if any   | : | Not Applicable               |

Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory



## Continuation Sheet

Test Report No.098A4(P)

Date: 24/08/2022

## Part-C


## Test Results of Polyethylene Pipes (PE100 PN6 DN110) sample as per IS 4984 : 2016 with latest amendments

Sl. No.	Cl. No.	Name of the Test	Test Method / Standard	Unit	Specified Requirements	Test Value Obtained	
						A4	
1	6.2.1	<b>Dimension of Blue Stripes</b>	IS 4984 : 2016 with latest amendments				
		Width		mm	Min. : 3	3.5	
		Depth		mm	Shall not more than 0.2	0.15	
2	7.4	<b>Dimension of Pipe</b>					
	7.4 Table 3	Outside Diameter		mm	Min. 110.0	110.10	
		Ovality		mm	Max. 110.7	110.63	
	7.4 Table 4	<b>Wall Thickness</b>					
		Minimum		mm	Min.5.3	5.40	
	Maximum			Max.6.0	5.73		
3	8.2	Reversion		%	Shall not be greater than 3%	2.01	
4	8.3	Carbon Black Content		%	2-3	2.60	
5		Carbon Black Dispersion	-	Shall be Satisfactory	Satisfactory		
6	8.4	Melt Flow Index	gm/10min	0.2-1.1	0.634		
7	8.7	Density	Kg/m <sup>3</sup>	940 - 960	947.3		
8	8.9	Elongation at Break	%	Minimum 350	418		

- Note:
1. This Test Report / Certificate is issued only for the samples submitted to CIPET
  2. The results stated above related only to the items tested.
  3. The quality of the subsequent production lot has to be ensured by the purchaser.
  4. The test certificate shall not be reproduced in full except without the written approval of the laboratory.
  5. Selection of the samples for individual test have been done in accordance with respective clauses of standard
  6. Details of the subcontracted: NIL
  7. Remnant samples will be disposed after 03 months from the date of issue of test report.
  8. Statement of conformity of a specification or standard is provided by laboratory taking into account the level of risk associated/borderline case with the decision rule employed.



Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory



Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory

केंद्रीय पेट्रोकेमिकल्स इंजीनियरिंग  
एवं तकनीकी संस्थान (सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)  
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रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
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एन एच-1 मुरथल, जिला-सोनीपत-131039(हरियाणा)  
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मुख्यालय : गिण्डी, चेन्नै - 600 032



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PLASTIC TESTING CENTRE  
TEST CERTIFICATE

12734

Issued to

Conarch Associates Private Limited  
Office: 3<sup>rd</sup> C-97, Nehru Nagar  
Ghazibad -201001



Test Report No: 098A5(P)  
Date: 24/08/2022

Ref. No. and Date: आपका पत्र Ref No. : Nil. दिनांक :01/08/2022

TEST REPORT AS PER IS 4984 : 2016 with latest amendments

PART - A

PARTICULARS OF SAMPLE SUBMITTED

a) Name of the Sample	:	HDPE Pipe as stated by party- reg.
b) Grade / Variety / Type / Size/ Class	:	PE100 PN6 DN125Pipe Sample as stated by party.
c) Declared Value, if any	:	Nil.
d) Code No.	:	Nil.
e) Batch No. and Date of Manufacture	:	Nil.
f) Quantity	:	05 nos. of each code as submitted by party.
g) Mode of Packing	:	Packed in Bag
h) Sealed or not	:	Not Sealed.
i) Any other information	:	Test Sample received without signature of IO' S .
j) Date of receipt of Sample	:	04/08/2022
k) Date of Commencement of Test	:	05/08/2022
l) Date of completion of testing	:	17/08/2022

- Note:
1. This report, in full or part, shall not be published, advertised, used for any legal action, unless prior permission has been secured
  2. This test report is only for the sample tested

PART - B

SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure wherever applicable	:	Sample Supplied by the Party
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or Photographs as appropriate to test report, if any (to be attached).	:	Graph Attached
c) Deviation from the test methods as prescribed in relevant work instruction, if any	:	Not Applicable

Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory


Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory

Test Report No.098A5(P)  
Date: 24/08/2022

Part- C							
Test Results of Polyethylene Pipes (PE100 PN6 DN125 ) sample as per IS 4984 : 2016 with latest amendments							
Sl. No.	Cl. No.	Name of the Test	Test Method / Standard	Unit	Specified Requirements	Test Value Obtained	
						A5	
1	6.2.1	<b>Dimension of Blue Stripes</b>	IS 4984 : 2016 with latest amendments				
		Width		mm	Min. : 3	3.4	
		Depth		mm	Shall not more than 0.2	0.15	
2	7.4	<b>Dimension of Pipe</b>					
	7.4 Table 3	Outside Diameter		mm	Min. 125.0	125.08	
		Ovality			Max. 125.8	125.72	
	7.4 Table 4	<b>Wall Thickness</b>		mm	Max. 2.5	0.64	
		Minimum					
Maximum							
3	8.2	Reversion			mm	Min.6.0	6.24
4	8.3	Carbon Black Content	%	Shall not be greater than 3%	1.73		
5		Carbon Black Dispersion	%	2-3	2.53		
6	8.4	Melt Flow Index	-	Shall be Satisfactory	Satisfactory		
7	8.7	Density	gm/10min	0.2-1.1	0.675		
8	8.9	Elongation at Break	Kg/m <sup>3</sup>	940 - 960	952.6		
			%	Minimum 350	364		

- Note:
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  4. The test certificate shall not be reproduced in full except without the written approval of the laboratory.
  5. Selection of the samples for individual test have been done in accordance with respective clauses of standard
  6. Details of the subcontracted: NIL
  7. Remnant samples will be disposed after 03 months from the date of issue of test report.
  8. Statement of conformity of a specification or standard is provided by laboratory taking into account the level of risk associated/borderline case with the decision rule employed.

  
Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

  
Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory

केंद्रीय पेट्रोकेमिकल्स इंजीनियरिंग  
एवं तकनीकी संस्थान (सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)  
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Website : www.cipet.gov.in

Head Office : Guindy, Chennai - 600 032

PLASTIC TESTING CENTRE  
TEST CERTIFICATE

12735

Issued to

Conarch Associates Private Limited  
Office: 3<sup>rd</sup> C-97, Nehru Nagar  
Ghaziabad -201001



Test Report No: 098A6(P)

Date: 24/08/2022

Ref. No. and Date: आपका पत्र Ref No. : Nil. दिनांक :01/08/2022

TEST REPORT AS PER IS 4984 : 2016 with latest amendments

PART - A

PARTICULARS OF SAMPLE SUBMITTED

a) Name of the Sample	:	HDPE Pipe as stated by party- reg.
b) Grade / Variety / Type / Size/ Class	:	PE100 PN6 DN140 Pipe Sample as stated by party.
c) Declared Value, if any	:	Nil.
d) Code No.	:	Nil.
e) Batch No. and Date of Manufacture	:	Nil.
f) Quantity	:	05 nos. of each code as submitted by party.
g) Mode of Packing	:	Packed in Bag
h) Sealed or not	:	Not Sealed.
i) Any other information	:	Test Sample received without signature of IO' S .
j) Date of receipt of Sample	:	04/08/2022
k) Date of Commencement of Test	:	05/08/2022
l) Date of completion of testing	:	17/08/2022

Note:

1. This report, in full of part, shall not be published, advertised, used for any legal action, unless prior permission has been secured
2. This test report is only for the sample tested

PART - B

SUPPLEMENTRY INFORMATIONS

a) Reference to sampling procedure wherever applicable	:	Sample Supplied by the Party
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or Photographs as appropriate to test report, if any (to be attached).	:	Graph Attached
c) Deviation from the test methods as prescribed in relevant work instruction, if any	:	Not Applicable

Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

Mr. Krishna Prafap Singh- ( T.O.)  
Authorized Signatory

Contd....2/-  
Page No. 1 of 2

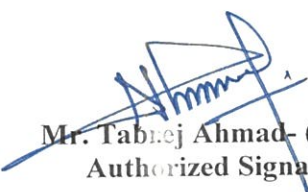


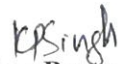
## Part- C

## Test Results of Polyethylene Pipes (PE100 PN6 DN140) sample as per IS 4984 : 2016 with latest amendments

Sl. No.	Cl. No.	Name of the Test	Test Method / Standard	Unit	Specified Requirements	Test Value Obtained
						A6
1	6.2.1	<b>Dimension of Blue Stripes</b>	IS 4984 : 2016 with latest amendments			
		Width		mm	Min. : 3	3.3
		Depth		mm	Shall not more than 0.2	0.15
2	7.4	<b>Dimension of Pipe</b>				
	7.4 Table 3	Outside Diameter		mm	Min. 140.0	140.19
		Ovality		mm	Max. 140.9	140.84
	7.4 Table 4	<b>Wall Thickness</b>				
		Minimum		mm	Max. 2.8	0.65
		Maximum				
3	8.2	Reversion			%	Min.6.7
4	8.3	Carbon Black Content		%	Max.7.5	7.48
5		Carbon Black Dispersion		-	Shall not be greater than 3%	1.73
6		Melt Flow Index		gm/10min	2-3	2.56
7	8.7	Density		Kg/m <sup>3</sup>	Shall be Satisfactory	Satisfactory
8	8.9	Elongation at Break		%	0.2-1.1	0.583
					940 - 960	954.4
					Minimum 350	384

- Note:
1. This Test Report / Certificate is issued only for the samples submitted to CIPET
  2. The results stated above related only to the items tested.
  3. The quality of the subsequent production lot has to be ensured by the purchaser.
  4. The test certificate shall not be reproduced in full except without the written approval of the laboratory.
  5. Selection of the samples for individual test have been done in accordance with respective clauses of standard
  6. Details of the subcontracted: NIL
  7. Remnant samples will be disposed after 03 months from the date of issue of test report.
  8. Statement of conformity of a specification or standard is provided by laboratory taking into account the level of risk associated/borderline case with the decision rule employed.

  
Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

  
Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory

केंद्रीय पेट्रोकेमिकल्स इंजीनियरिंग  
एवं तकनीकी संस्थान (सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)  
रसायन एवं पेट्रोरसायन विभाग  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
डी सी आर यू एस टी कैम्पस, 50 माईल स्टोन,  
एन एच-1 मुरथल, जिला-सोनोपत-131039 (हरियाणा)  
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फैक्स : 0130-2203010  
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cipetmurthal@gmail.com  
वेबसाइट : www.cipet.gov.in  
मुख्यालय : गिण्डी, चेन्नै - 600 032



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CENTRAL INSTITUTE OF PETROCHEMICALS  
ENGINEERING & TECHNOLOGY (CIPET)

(Formerly Central Institute of Plastics Engineering & Technology)  
Department of Chemicals & Petrochemicals  
Ministry of Chemicals & Fertilizers, Govt. of India  
Near DCRUST Campus, 50th Mile Stone, NH-1  
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cipetmurthal@gmail.com  
Website : www.cipet.gov.in  
Head Office : Guindy, Chennai - 600 032

PLASTIC TESTING CENTRE  
TEST CERTIFICATE



12736

Issued to

Conarch Associates Private Limited  
Office: 3<sup>rd</sup> C-97, Nehru Nagar  
Ghazibad -201001

Test Report No: 098A7(P)  
Date: 24/08/2022

Ref. No. and Date: आपका पत्र Ref No. : Nil. दिनांक :01/08/2022

TEST REPORT AS PER IS 4984 : 2016 with latest amendments

PART - A

PARTICULARS OF SAMPLE SUBMITTED

a) Name of the Sample	:	HDPE Pipe as stated by party- reg.
b) Grade / Variety / Type / Size/ Class	:	PE100 PN6 DN160 Pipe Sample as stated by party.
c) Declared Value, if any	:	Nil.
d) Code No.	:	Nil.
e) Batch No. and Date of Manufacture	:	Nil.
f) Quantity	:	05 nos. of each code as submitted by party.
g) Mode of Packing	:	Packed in Bag
h) Sealed or not	:	Not Sealed.
i) Any other information	:	Test Sample received without signature of IO' S .
j) Date of receipt of Sample	:	04/08/2022
k) Date of Commencement of Test	:	05/08/2022
l) Date of completion of testing	:	17/08/2022

- Note:
1. This report, in full or part, shall not be published, advertised, used for any legal action, unless prior permission has been secured
  2. This test report is only for the sample tested

PART - B

SUPPLEMENTRY INFORMATIONS

a) Reference to sampling procedure wherever applicable	:	Sample Supplied by the Party
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or Photographs as appropriate to test report, if any (to be attached).	:	Graph Attached
c) Deviation from the test methods as prescribed in relevant work instruction, if any	:	Not Applicable

Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory





## Continuation Sheet

Test Report No.098A7(P)

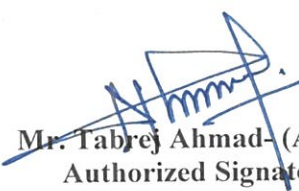
Date: 24/08/2022

## Part- C

## Test Results of Polyethylene Pipes (PE100 PN6 DN160 ) sample as per IS 4984 : 2016 with latest amendments

Sl. No.	Cl. No.	Name of the Test	Test Method / Standard	Unit	Specified Requirements	Test Value Obtained
						A7
1	6.2.1	Dimension of Blue Stripes	IS 4984 : 2016 with latest amendments			
		Width		mm	Min. : 3	3.4
		Depth		mm	Shall not more than 0.2	0.15
2	7.4	Dimension of Pipe				
	7.4 Table 3	Outside Diameter		mm	Min. 160.0	160.25
		Ovality		mm	Max. 161.0	160.97
	7.4 Table 4	Wall Thickness				
		Minimum		mm	Max. 3.2	0.72
Maximum	mm	Min.7.7		8.19		
3	8.2	Reversion		%	Max.8.6	8.56
4	8.3	Carbon Black Content	%	Shall not be greater than 3%	1.89	
5		Carbon Black Dispersion	-	2-3	2.45	
6	8.4	Melt Flow Index	gm/10min	Shall be Satisfactory	Satisfactory	
7	8.7	Density	Kg/m <sup>3</sup>	0.2-1.1	0.756	
8	8.9	Elongation at Break		940 - 960	955.9	
				%	Minimum 350	392

- Note:
1. This Test Report / Certificate is issued only for the samples submitted to CIPET
  2. The results stated above related only to the items tested.
  3. The quality of the subsequent production lot has to be ensured by the purchaser.
  4. The test certificate shall not be reproduced in full except without the written approval of the laboratory.
  5. Selection of the samples for individual test have been done in accordance with respective clauses of standard
  6. Details of the subcontracted: NIL
  7. Remnant samples will be disposed after 03 months from the date of issue of test report.
  8. Statement of conformity of a specification or standard is provided by laboratory taking into account the level of risk associated/borderline case with the decision rule employed.

  
Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

  
Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory

केंद्रीय पेट्रोकेमिकल्स इंजीनियरिंग  
एवं तकनीकी संस्थान (सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)  
रसायन एवं पेट्रोसायन विभाग  
रसायन एवं उर्वरक मंत्रालय, भारत सरकार  
डी सी आर यू एस टी कैम्पस, 50 माईल स्टोन,  
एन एच-1 मुरथल, जिला-सोनोपत-131039 (हरियाणा)  
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फैक्स : 0130-2203010  
ई-मेल : murthal@cipet.gov.in  
cipetmurthal@gmail.com  
वेबसाइट : www.cipet.gov.in  
मुख्यालय : गिण्डी, चेन्नै - 600 032



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CENTRAL INSTITUTE OF PETROCHEMICALS  
ENGINEERING & TECHNOLOGY (CIPET)

(Formerly Central Institute of Plastics Engineering & Technology)  
Department of Chemicals & Petrochemicals  
Ministry of Chemicals & Fertilizers, Govt. of India  
Near DCRUST Campus, 50th Mile Stone, NH-1  
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cipetmurthal@gmail.com  
Website : www.cipet.gov.in  
Head Office : Guindy, Chennai - 600 032

PLASTIC TESTING CENTRE  
TEST CERTIFICATE

12737

Issued to

Conarch Associates Private Limited  
Office: 3<sup>rd</sup> C-97, Nehru Nagar  
Ghazibad -201001



Test Report No: 098A8(P)  
Date: 24/08/2022

Ref. No. and Date: आपका पत्र Ref No. : Nil. दिनांक :01/08/2022

TEST REPORT AS PER IS 4984 : 2016 with latest amendments

PART - A

PARTICULARS OF SAMPLE SUBMITTED

- |   |   |   |
|---|---|---|
| a) Name of the Sample                   | : | HDPE Pipe as stated by party- reg.                |
| b) Grade / Variety / Type / Size/ Class | : | PE100 PN6 DN180 Pipe Sample as stated by party.   |
| c) Declared Value, if any               | : | Nil.  |
| d) Code No.                             | : | Nil.  |
| e) Batch No. and Date of Manufacture    | : | Nil.  |
| f) Quantity                             | : | 05 nos. of each code as submitted by party.       |
| g) Mode of Packing                      | : | Packed in Bag                                     |
| h) Sealed or not                        | : | Not Sealed.                                       |
| i) Any other information                | : | Test Sample received without signature of IO' S . |
| j) Date of receipt of Sample            | : | 04/08/2022  |
| k) Date of Commencement of Test         | : | 05/08/2022  |
| l) Date of completion of testing        | : | 17/08/2022  |

Note:

1. This report, in full or part, shall not be published, advertised, used for any legal action, unless prior permission has been secured
2. This test report is only for the sample tested

PART - B

SUPPLEMENTARY INFORMATIONS

- |   |   |                              |
|---|---|------------------------------|
| a) Reference to sampling procedure wherever applicable  | : | Sample Supplied by the Party |
| b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or Photographs as appropriate to test report, if any (to be attached). | : | Graph Attached               |
| c) Deviation from the test methods as prescribed in relevant work instruction, if any   | : | Not Applicable               |

Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory

Contd....2/-  
Page No. 1 of 2



## Continuation Sheet

Test Report No.098A8(P)

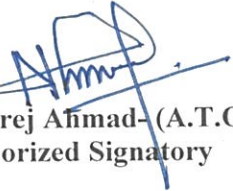
Date: 24/08/2022

## Part- C


## Test Results of Polyethylene Pipes (PE100 PN6 DN180) sample as per IS 4984 : 2016 with latest amendments

Sl. No.	Cl. No.	Name of the Test	Test Method / Standard	Unit	Specified Requirements	Test Value Obtained
						A8
1	6.2.1	Dimension of Blue Stripes	IS 4984 : 2016 with latest amendments			
		Width		mm	Min. : 3	3.5
		Depth		mm	Shall not more than 0.2	0.12
2	7.4	Dimension of Pipe				
	7.4 Table 3	Outside Diameter		mm	Min. 180.0	180.10
		Ovality		mm	Max. 181.1	180.90
	7.4 Table 4	Wall Thickness				
		Minimum		mm	Max. 3.6	0.80
		Maximum		mm	Min.8.6	8.83
					Max.9.6	9.58
3	8.2	Reversion	%	Shall not be greater than 3%	1.71	
4	8.3	Carbon Black Content	%	2-3	2.37	
5		Carbon Black Dispersion	-	Shall be Satisfactory	Satisfactory	
6	8.4	Melt Flow Index	gm/10min	0.2-1.1	0.693	
7	8.7	Density	Kg/m <sup>3</sup>	940 - 960	942.3	
8	8.9	Elongation at Break	%	Minimum 350	386	

- Note:
1. This Test Report / Certificate is issued only for the samples submitted to CIPET
  2. The results stated above related only to the items tested.
  3. The quality of the subsequent production lot has to be ensured by the purchaser.
  4. The test certificate shall not be reproduced in full except without the written approval of the laboratory.
  5. Selection of the samples for individual test have been done in accordance with respective clauses of standard
  6. Details of the subcontracted: NIL
  7. Remnant samples will be disposed after 03 months from the date of issue of test report.
  8. Statement of conformity of a specification or standard is provided by laboratory taking into account the level of risk associated/borderline case with the decision rule employed.



Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory



Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory

केंद्रीय पेट्रोकेमिकल्स इंजीनियरिंग

एवं तकनीकी संस्थान (सिपेट)

(पूर्व में केंद्रीय प्लास्टिक्स इंजीनियरिंग एवं तकनीकी संस्थान)

रसायन एवं पेट्रोरसायन विभाग

रसायन एवं उर्वरक मंत्रालय, भारत सरकार

डी सी आर यू एस टी कैम्पस, 50 माईल स्टोन,

एन एच-1 मुरथल, जिला-सोनीपत-131039(हरियाणा)

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फैक्स : 0130-2203010

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cipetmurthal@gmail.com

वेबसाइट : www.cipet.gov.in

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CENTRAL INSTITUTE OF PETROCHEMICALS

ENGINEERING & TECHNOLOGY (CIPET)

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PLASTIC TESTING CENTRE  
TEST CERTIFICATE

12738

Issued to

Conarch Associates Private Limited

Office: 3<sup>rd</sup> C-97, Nehru Nagar

Ghazibad -201001



Test Report No: 098A9(P)

Date: 24/08/2022

Ref. No. and Date: आपका पत्र Ref No. : Nil. दिनांक :01/08/2022

TEST REPORT AS PER IS 4984 : 2016 with latest amendments

PART - A

PARTICULARS OF SAMPLE SUBMITTED

a) Name of the Sample	:	HDPE Pipe as stated by party- reg.
b) Grade / Variety / Type / Size/ Class	:	PE100 PN6 DN200 Pipe Sample as stated by party.
c) Declared Value, if any	:	Nil.
d) Code No.	:	Nil.
e) Batch No. and Date of Manufacture	:	Nil.
f) Quantity	:	05 nos. of each code as submitted by party.
g) Mode of Packing	:	Packed in Bag
h) Sealed or not	:	Not Sealed.
i) Any other information	:	Test Sample received without signature of IO' S .
j) Date of receipt of Sample	:	04/08/2022
k) Date of Commencement of Test	:	05/08/2022
l) Date of completion of testing	:	17/08/2022

Note:

1. This report, in full or part, shall not be published, advertised, used for any legal action, unless prior permission has been secured
2. This test report is only for the sample tested

PART - B

SUPPLEMENTARY INFORMATIONS

a) Reference to sampling procedure wherever applicable	:	Sample Supplied by the Party
b) Supporting documents for the measurements taken and results derived like graphs, tables, sketches and/or Photographs as appropriate to test report, if any (to be attached).	:	Graph Attached
c) Deviation from the test methods as prescribed in relevant work instruction, if any	:	Not Applicable

Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory

Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory



## Continuation Sheet

Test Report No.098A9(P)


Date: 24/08/2022

## Part- C

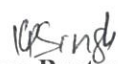
## Test Results of Polyethylene Pipes (PE100 PN6 DN 200) sample as per IS 4984 : 2016 with latest amendments

Sl. No.	Cl. No.	Name of the Test	Test Method / Standard	Unit	Specified Requirements	Test Value Obtained	
						A9	
1	6.2.1	Dimension of Blue Stripes	IS 4984 : 2016 with latest amendments				
		Width		mm	Min. : 3	3.5	
		Depth		mm	Shall not more than 0.2	0.14	
2	7.4	Dimension of Pipe					
	7.4 Table 3	Outside Diameter		mm	Min. 200.0	200.05	
		Ovality		mm	Max. 201.2	201.19	
	7.4 Table 4	Wall Thickness					
		Minimum		mm	Max. 4.0	1.14	
		Maximum		mm	Min.9.6	10.04	
3	8.2	Reversion		%	Max.10.7	10.42	
4	8.3	Carbon Black Content		%	Shall not be greater than 3%	1.77	
5		Carbon Black Dispersion		-	2-3	2.50	
6	8.4	Melt Flow Index		gm/10min	Shall be Satisfactory	Satisfactory	
7	8.7	Density		Kg/m <sup>3</sup>	0.2-1.1	0.635	
8	8.9	Elongation at Break		%	940 - 960	951.7	
				Minimum 350	432		

- Note:
1. This Test Report / Certificate is issued only for the samples submitted to CIPET
  2. The results stated above related only to the items tested.
  3. The quality of the subsequent production lot has to be ensured by the purchaser.
  4. The test certificate shall not be reproduced in full except without the written approval of the laboratory.
  5. Selection of the samples for individual test have been done in accordance with respective clauses of standard
  6. Details of the subcontracted: NIL
  7. Remnant samples will be disposed after 03 months from the date of issue of test report.
  8. Statement of conformity of a specification or standard is provided by laboratory taking into account the level of risk associated/borderline case with the decision rule employed.



Mr. Tabrej Ahmad- (A.T.O.)  
Authorized Signatory



Mr. Krishna Pratap Singh- ( T.O.)  
Authorized Signatory