RAIL COACH FACRTORY, KAPURTHALA

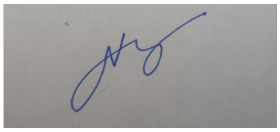
MD35131 **Dated: 23/10/2024**

Sub: Issue of specification No. MDTS-084 Rev. 02 "Schedule of Technical Requirements for Resin System to be used for preparing Glass Fiber Reinforced Plastic (FRP) Panels for Interiors for Alstom-LHB Design Coaches".

Ref: Approval of CDE on E-file No. RCF-DSGN0MD46(371)/35/2024 Dated 18/10/24.

Please find enclosed copy of following specification for information and necessary action at your end.

S. No	Description	Specification No.
1.	SCHEDULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREEPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES	MDTS-084 Rev.-02



Nitin Yadav
(Dy. CME/Fur Design)

CME/QA	CPLE	CWE/Fur	CMM/HSQ	Dy. CME/LHB/HSQ
CWE/Shell	Dy. CMM/Fur	Dy. CMM/G	CMT	Dy. CPLE- I & II

SSE/Filing Section
SSE/Library, Mech. Design
SSE Record (Original copy)
SSE/Dev.

Copy for kind information to:

CDE
Dy. CME/DP
Dy.CME/Shell Design
Dy.CME/Bogie Design

SPECIFICATION	**SCHEDULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES**	**MDTS--084 REV - 02 Page** 1 **of** 5 **DATED 16.10 .2024**

Name	Designation	Signature	Date	Level
Anuranjan Felix	SSE/Fur-1	ANURANJAN FELIX LAKRA Digitally signed by ANURANJAN FELIX LAKRA Date: 2024.10.16 17:16:53 +05'45'		Prepared
Nitin Yadav	Dy.CME/D-2	NITIN YADAV Digitally signed by NITIN YADAV Date: 2024.10.16 18:00:36 +05'30'		Agreed & Reviewed
Lalit Kishore	CDE	LALIT KISHORE Digitally signed by LALIT KISHORE Date: 2024.10.18 12:02:46 +05'30'		Approved

Issue/Revision	Changes	Date
Rev.NIL	New specification/First Issue	15.01.2001
Rev.01	Specification Updated as per IS: 6746-1994	24.03.2022
Rev-01.1	Clerical mistakes corrected and Prototype approval clause amended.	05/05/22
Rev-02	Clause 3.3-Table-1 Sl no.2 and Clause 4-Table-2 Sl. No-1 Modified.	16/10/24

ANURANJAN FELIX LAKRA Digitally signed by ANURANJAN FELIX LAKRA Date: 2024.10.16 17:17:21 +05'45'

PREPARED BY

AGREED BY

1. Scope:

This specification covers the general and technical requirements of Unsaturated Polyester resin system to be used for preparing glass fiber reinforced plastic (FRP Panels) panels for LHB and other coaches.

2. General requirement:

The Unsaturated Polyester resin shall be used with other components those are used for making of FRP panels i.e. Additives, Woven roving, Chopped strand, Paint, release agents as specified in specification no. MDTS-133 Rev.05 or latest.

3. Technical properties:-

3.1 The unsaturated polyester resin used shall be pre-accelerated, high thixotropic laminating of low viscosity and medium reactivity. The resin shall be based on orthopathalic acid and standard glycol, dissolved in styrene and methyl methacrylate. This shall be free from Halogens and shall contain aluminium hydroxide as flame retardant additives. No filler shall be used except those required for obtaining fire retardant property in the resin system. It should also contain LSE additive as part of its formulation for reduced styrene emission. The compatible hardener & accelerator in separate containers with advice of correct mixing ratio will comprise the complete resin system.

3.2 Properties of Ancillary materials

Hardener, accelerator & Gel coat compatible with the resin will be provided as a complete system. The properties of these ancillaries are listed below:

- Hardener & accelerator compatible to resin should achieve required gel time as per Table-1 & 2 below when used in recommended ratio.
- All necessary additives should be premixed in the resin

3.3 The resin shall be procured from a reputed manufacturer in sealed containers along with the test certificate. The properties of uncured resin shall be as under:

ANURANJAN FELIX LAKRA Digitally signed by ANURANJAN FELIX LAKRA Date: 2024.10.16 17:17:53 +05'45'

PREPARED BY AGREED BY

Table-1

SN	Properties	Specified Values	Evaluation Standard
1	Density at 20 degree C	1.5 g/ml	IS-6746-1994
2	Viscosity at 25 degree C Brook field viscometer spindle 5 rpm 50	800-1500 cps	IS-6746-1994
3	Styrene content	22-24%	IS-6746-1994
4	Gel time at 25 degree C in 100 g cup	24 -30 minutes	IS-6746-1994

4. Gel Coats:

Gel coat shall be pre-accelerated in spray consistency made from polyester resin. The gel coat shall be based on Orthothalic resin dissolved in styrene. Gel coat shall be procured from a reputed manufacturer in sealed containers along with test certificate. Gel coat should be compatible with resin.The properties of the uncured gel coat shall be as under:-

Table-2

SN	Properties	Specified Values	Evaluation Standard
1	Viscosity at 25 degree C Brook field viscometer spindle 5 rpm 5	8000 to 14000 cps	IS-6746-1994
2	Gel time at 25 degree C in 100 g cup	14 -20 minute	IS-6746-1994

5 Fire retardant properties of resin:

The resin should meet Type -1 category for Flammability and critical oxygen index test as defined in Table-4 of specification no. IS-6746-1994.

ANURANJAN FELIX LAKRA Digitally signed by ANURANJAN FELIX LAKRA Date: 2024.10.16 17:18:17 +05'45'

PREPARED BY AGREED BY

6. Classification of Test:

Category of Test	VALUES	Remarks
Acceptance tests	Clause 3.3, Table-1, Table-2 & Clause 5 of MDTS 084 Rev-02	These tests shall be conducted by the consignee or their authorized agency prior to dispatch. All infrastructure required to enable acceptance tests shall be provided by the bidder/OEM.

7. Submission of WTC:

Firm should also submit WTC for all the tests mentioned in IS: 6746- 1994 i.e. Table - 1, 2, 3 & 4. The values of various parameters in submitted WTC can be verified, if the consignee asked for the same.

8. Prototype approval:

The tenderer should submit part/model number of the offered product. The firm should submit WTC of OEM for resin for the entire test mentioned in Table-1 to Table-4 of the specification no. IS-6746-1994.

1. The submitted sample of resin shall be tested in RCF Lab as per Table -1, Table-2 and clause 5 above.

2. The compatibility report should be obtained from Fur Shop for making of FRP Panel by using the submitted sample of resin as per MDTS-133 Rev.05.

   Prototype approval shall be applicable for the firm supplying this item for the first time to RCF/ICF or MCF.

9. Storage of Resin System:

The products i.e. Resin & Gel coat are required to be stored in closed container in a cool place and shielded from sunlight. The gel and curing time of the product, in un-opened original containers shall not change when stored for at least 03 months in AC temperature controlled storage room. The manufacturer recommendation regarding storage must be clearly indicated

on packing.

10. Traceability:

Traceability of each item should be ensured as per specification IS:6746-1994.

XXX

ANURANJAN FELIX LAKRA Digitally signed by ANURANJAN FELIX LAKRA Date: 2024.10.16 17:19:11 +05'45'

PREPARED BY AGREED BY

3242427/2024/O/o CDE/RCF/KXH

RAIL COACH FACTORY, KAPURTHALA

MD35131 DATED: 05/05/2022

Sub:- Issue of specification No.**MDTS-084 (Rev-01.1) .**
Ref:- Approval of CDE on part file of MD46131 dated 05.05.2022.

Please find enclosed a copy of under mentioned **MDTS specification** , for information and necessary action at your end.

Specification No. **MDTS-084** **Rev.-01.1**

Description: **SCHEDULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREEPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES**

05/05/2022

DY.CME/D2

CQM, CPLE, CWE/FUR, CWE/SHELL, CMM, CMT, DY.CPLE-III

SSE/Record(with original copy)

SSE/LIB. Design

SSE/Design/RCF/TKJ

Copy for information to:

DY.CME/DP

CDE

3242427/2024/O/o CDE/RCF/KXH

SPECIFICATION	**SCHEULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREEPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES**	**MDTS--084 REV – 01.1 Page 1 of 5 DATED 05.05 .2022**

Name	Designation	Signature	Date	Level
Anuranjan Felix	SSE/Fur-1		05/05/22	Prepared
Jugal kishor	SME/D	ON LEAVE		Agreed
Abhey Dogra	Dy.CME/ D-2		05/05/2022	Reviewed
Akhilesh Misra	CDE		5/5/2022	Approved

Issue/Revision	Changes	Date
Rev.NIL	New specification/First Issue	15.01.2001
Rev.01	Specification Updated as per IS: 6746-1994	24.03.2022
Rev. 01.1	Clerical mistakes corrected and Prototype approval clause amended.	05.05.2022

PREPARED BY

AGREED BY

SPECIFICATION	SCHEULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREEPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES	MDTS--084 REV – 01.1 Page 2 of 5 DATED 05.05 .2022

1. Scope:

This specification covers the general and technical requirements of Unsaturated Polyester resin system to be used for preparing glass fiber reinforced plastic (FRP Panels) panels for LHB and other coaches.

2. General requirement:

The Unsaturated Polyester resin shall be used with other components those are used for making of FRP panels i.e. Additives, Woven roving, Chopped strand, Paint, release agents as specified in specification no. MDTS-133 Rev.05 or latest.

3. Technical properties:-

3.1 The unsaturated polyester resin used shall be pre-accelerated, high thixotropic laminating of low viscosity and medium reactivity. The resin shall be based on orthopathalic acid and standard glycol, dissolved in styrene and methyl methacrylate. This shall be free from Halogens and shall contain aluminum hydroxide as flame retardant additives. No filler shall be used except those required for obtaining fire retardant property in the resin system. It should also contain LSE additive as part of its formulation for reduced styrene emission. The compatible hardener & accelerator in separate containers with advice of correct mixing ratio will comprise the complete resin system.

3.2 Properties of Ancillary materials

Hardener, accelerator & Gel coat compatible with the resin will be provided as a complete system. The properties of these ancillaries are listed below:

- Hardener & accelerator compatible to resin should achieve required gel time as per Table-1 & 2 below when used in recommended ratio.
- All necessary additives should be premixed in the resin

3.3 The resin shall be procured from a reputed manufacturer in sealed containers along with the test certificate. The properties of uncured resin shall be as under:

PREPARED BY

AGREED BY

SPECIFICATION	SCHEULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREEPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES	MDTS--084 REV – 01.1 Page 3 of 5 DATED 05.05 .2022

Table-1

SN	Properties	Specified Values	Evaluation Standard
1	Density at 20 degree C	1.5 g/ml	IS-6746-1994
2	Viscosity at 25 degree C Brook field DV-II spindle 5 rpm 5	800-1500cps	IS-6746-1994
3	Styrene content	22-24% max	IS-6746-1994
4	Gel time at 25 degree C in 100 g cup	24 -30 minutes	IS-6746-1994

4. Gel Coats:

Gel coat shall be pre-accelerated in spray consistency made from polyester resin. The gel coat shall be based Orthothalic resin dissolved in styrene. Gel coat shall be procured from a reputed manufacturer in sealed containers along with test certificate. Gel Coat should be compatible with resin. The properties of the uncured gel coat shall be as under:-

Table-2

SN	Properties	Specified Values	Evaluation Standard
1.	Viscosity at 25 degree C Brook field DV-II spindle 5 rpm 5.	25000 to 30000 cps	IS-6746-1994
2	Gel time at 25 degree C in 100 g cup	14 -20 minute	IS-6746-1994

5 Fire retardant properties of resin:

The resin should meet Type -1 category for Flammability and critical oxygen index test as defined in Table-4 of specification no. IS-6746-1994.

PREPARED BY

AGREED BY

SPECIFICATION	SCHEULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREEPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES	MDTS--084 REV – 01.1 Page 4 of 5 DATED 05.05 .2022

6. Classification of Test:

Category of Test	VALUES	Remarks
Acceptance tests	Clause 3.3, Table-1, Table-2 & Clause 5 of MDTS 084 Rev-01	These tests shall be conducted by the consignee or their authorized agency prior to dispatch. All infrastructures required to enable acceptance tests shall be provided by the bidder/OEM.

7. Submission of WTC:

Firm should also submit WTC for all the tests mentioned in IS: 6746- 1994 i.e. Table - 1, 2, 3 & 4. The values of various parameters in submitted WTC can be verified, if the consignee asked for the same.

8. Prototype approval:

The tenderer should submit part/model number of the offered product. The firm should submit WTC of OEM for resin for the entire test mentioned in Table-1 to Table-4 of the specification no. IS-6746-1994.

1. The submitted sample of resin shall be tested in RCF Lab as per Table -1, Table-2 and clause 5 above.
2. The compatibility report should be obtained from Fur Shop for making of FRP Panel by using the submitted sample of resin as per MDTS-133 Rev.05.

Prototype approval shall be applicable for the firm supplying this item for the first time to RCF /ICF or MCF.

9. Storage of Resin System:

The products i.e. Resin & Gel coat are required to be stored in closed container in a cool place and shielded from sunlight. The gel and curing time of the product, in un-opened original containers shall not change when stored for at least 03 months in AC temperature controlled storage room. The manufacturer recommendation regarding storage must be clearly indicated on packing.

PREPARED BY

AGREED BY

SPECIFICATION	SCHEULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREEPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES	MDTS--084 REV – 01.1 Page 5 of 5 DATED 05.05 .2022

10. Traceability:

Traceability of each item should be ensured as per specification IS: 6746-1994.

XXX

PREPARED BY

AGREED BY

3242427/2024/O/o CDE/RCF/KXH

Rail Coach Factory Kapurthala

MD46141 **Dated 30.04.2022**

Sub: Amendment in specification no. MDTS--084 Rev.- 01 schedule of technical requirements for resin system to be used for preparing glass fiber reinforced plastic (FRP) panels for interiors for **ALSTOM-LHB** design coaches

S.no	Clause no. of specification no. MDTS--084 Rev.-01	Existing Conditions	Amendments
1	4	Gel coat shall be pre-accelerated in spray consistency made from polyester resin. The gel coat shall be based on Isophathalic resin dissolved in styrene.	Gel coat shall be pre-accelerated in spray consistency made from polyester resin. The gel coat shall be based on Orthopathalic resin dissolved in styrene.
2	Table-2 Sl. No 2	Viscosity at 25 degree C Brook field DV-II spindle 5 rpm 30	Viscosity at 25 degree C Brook field DV-II spindle 5 rpm 5

Following amendments is issued with due approval of competent authority for resin system to be used for preparing glass fiber reinforced plastic (FRP) panels for interiors for Alstom-LHB design coaches

(Abhey Priya)
Dy.CME/D-II

CQM CPLE CWE/Fur CMM/ HSQ CMM/TKJ CWE/Shell

Dy.CMM/LHB/Fur. Dy.CMM/G CMT Dy. CPLE-II
Dy.CMM/Fur

SSE/Filing Section
SSE/Library, Mech. Design
SSE Record (Original copy)
SSE/Dev.

Copy for kind information to:
CDE
Dy.CME/DP

3242427/2024/O/o CDE/RCF/KXH

RAIL COACH FACTORY, KAPURTHALA

DATED: 31.03.2022

MD33131

Sub: Issue of MDTS specification no. 084(REV.-01.)
Ref:- Approval of CME on NP-2 of MD46141

Please find enclosed a copy of under mentioned MDTS specification and necessary action at your end.

Specification No. MDTS-084 Rev. – 01

Description: **SCHEULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES**

31/03/2

DY.CME/D2

CQM, CPLE, CWE/FUR, CWE/SHELL, CMM, CMT, DY,CPLE-III

SSE/Record: (With original specification)

SE/ LIB. Design,

SE/Design/RCF/TKJ

Copy for information to:

DY. CME/D1

CDE

Scanned with CamSca

3242427/2024/O/o CDE/RCF/KXH

SPECIFICATION	SCHEULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREEPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES	MDTS–084 REV - 01 Page 2 of 4 DATED 24.03 .2022

1. Scope:

This specification covers the general and technical requirements of Unsaturated Polyester resin system to be used for preparing glass fiber reinforced plastic (FRP Panels) panels for LHB and other coaches.

2. General requirement:

The Unsaturated Polyester resin shall be used with other components those are used for making of FRP panels i.e. Additives, Woven roving, Chopped strand, Paint, release agents as specified in specification no. MDTS-133 Rev.05 or latest.

3. Technical properties:-

3.1 The unsaturated polyester resin used shall be pre-accelerated, high thixotropic laminating of low viscosity and medium reactivity. The resin shall be based on orthopathalic acid and standard glycol, dissolved in styrene and methyl methacrylate. This shall be free from Halogens and shall contain aluminum hydroxide as flame retardant additives. No filler shall be used except those required for obtaining fire retardant property in the resin system. It should also contain LSE additive as part of its formulation for reduced styrene emission. The compatible hardener & accelerator in separate containers with advice of correct mixing ratio will comprise the complete resin system.

3.2 **Properties of Ancillary materials**

Hardener, accelerator & Gel coat compatible with the resin will be provided as a complete system. The properties of these ancillaries are listed below:

- Hardener & accelerator compatible to resin should achieve required gel time as per Table-1 & 2 below when used in recommended ratio.
- All necessary additives should be premixed in the resin.

3.3 The resin shall be procured from a reputed manufacturer in sealed containers along with the test certificate. The properties of un-cured resin shall be as under:

Table-1

SN	Properties	Specified Values	Evaluation Standard
1	Density at 20 degree C	1.5 g/ml	IS-6746-1994
2	Viscosity at 25 degree C	800-1500 cps	IS-6746-1994

PREPARED BY

AGREED BY

Scanned with CamScanner

SPECIFICATION	SCHEULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREEPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES	MDTS--084 REV - 01 Page 3 of 4 DATED 24.03 .2022

	Brook field DV-II spindle 5 rpm 5		IS-6746-1994
3	Styrene content	22%-24% max	IS-6746-1994
4	Gel time at 25 degree C in 100 g cup	24 -30 minutes	

4. Gel Coats:

Gel coat shall be pre-accelerated in spray consistency made from polyester resin. The gel coat shall be based on Isophathalic resin dissolved in styrene. Gel coat shall be procured from a reputed manufacturer in sealed containers along with test certificate. Gel Coat should be compatible with Resin. The properties of the uncured gel coat shall be as under:-

Table-2

SN	Properties	Specified Values	Evaluation Standard
1	Viscosity at 25 degree C Brook field DV-II spindle 5 rpm 30	25000- 30000 cps	IS-6746-1994
2	Gel time at 25 degree C in 100 g cup	14-20 minute	IS-6746-1994

5 Fire Retardance properties of resin:

The resin should meet Type -1 category for Flammability and critical oxygen index test as defined in Table-4 of specification no. IS-6746-1994.

6. Classification of Test:

Category of Test	VALUES	Remarks
Acceptance tests	Clause 3.3, Table-1, Table-2 & Clause 5 of MDTS 084	These tests shall be conducted by the consignee or their authorized agency prior to dispatch. All infrastructures required to enable acceptance tests shall be provided by the bidder/OEM.

PREPARED BY

AGREED BY

Scanned with CamScanner

3242427/2024/O/o CDE/RCF/KXH

SPECIFICATION	SCHEULE OF TECHNICAL REQUIREMENTS FOR RESIN SYSTEM TO BE USED FOR PREEPARING GLASS FIBER REINFORCED PLASTIC (FRP) PANELS FOR INTERIORS FOR ALSTOM-LHB DESIGN COACHES	MDTS--084 REV - 01 Page 4 of 4 DATED 24.03 .2022

7. Submission of WTC:

Firm should also submit WTC for all the tests mentioned in IS: 6746- 1994 i.e. Table - 1, 2, 3 & 4. The values of various parameters in submitted WTC can be verified, if the consignee asked for the same.

8. Prototype approval:

The tenderer should submit part/model number of the offered product. The firm should submit WTC of OEM for resin for the entire test mentioned in Table-1 to Table-4 of the specification no. IS-6746-1994.

1. The submitted sample of resin shall be tested in RCF Lab as per Table -1, Table-2 and clause 5 above.
2. The compatibility report should be obtained from Fur Shop for making of FRP Panel by using the submitted sample of resin as per MDTS-133 Rev.05.

9. Storage of Resin System:

The products i.e. Resin & Gel coat are required to be stored in closed container in a cool place and shielded from sunlight. The gel and curing time of the product, in un-opened original containers shall not change when stored for at least 03 months in AC temperature controlled storage room. The manufacturer recommendation regarding storage must be clearly indicated on packing.

10. Traceability:

Traceability of each item should be ensured as per specification IS: 6746-1994.

PREPARED BY

AGREED BY

Scanned with CamScanner

3242427/2024/O/o CDE/RCF/KXH

CIN : U74899DL1971PTC003578
UAM No. : HR03B0000707
Phone : 0129-4004813
e-mail : resin37@hotmail.com
Website : www.crysticresins.com

CRYSTIC RESINS INDIA
PRIVATE LIMITED

Date: 28/4/2022

To,

Dy CMM/G
Rail Coach Factory
Kapurthala (Punjab)

Sub: Further clarification in MDTS-084 Rev-01.

Dear Sir,

Further to PO No. 14221033100752 dated 20.4.2022 for 25000kg of Resin System for Glass FRP panels for interior for Alstom-LHB Coaches as per MDTS 084 Rev1 there is a typographic error which is as under:

1. Under Clause 3 & 3.1 –the polyester resin is based on Orthophthalic whereas under Clause 4 of Gelcoats it says that the Gelcoat shall be based on Isophthalic resin. Further to Clause 3.2 & 4--it states that the gelcoat should be compatible with the resin. As such Gelcoat should be Orthophthalic based.
2. Under Clause 8 of Prototype approval is required by new firm participating in the tender.
3. Further in Table 2 there is typographic error in rpm of Brookfield viscometer for Gelcoat it should be 5.

Please clarify the above and I would request for subsequent amendment in the PO for Rites inspection.

for Crystic Resins India Pvt. Ltd.
Thanks & Regards

Authorised Signatory
Ashish Jain

(Director)M/s CRYSTIC RESINS INDIA PRIVATE LIMITED

19/6 MATHURA ROAD, FARIDABAD 121006 HARYANA
MOBILE: 9350342544

CC: Dy CME