



नेशनल थर्मल पावर कारपोरेशन लिमिटेड  
(भारत सरकार का उद्यम)  
**National Thermal Power Corporation Ltd.**  
(A Government Of India Enterprise)

पश्चिमी क्षेत्र मुख्यालय  
WESTERN REGION HEADQUARTERS

Ref: WRHQ/IS/MNP/

Date -20/02/01

To. M/s Spray Fill India Pvt Ltd.  
17-A1, Shiv Shakti Ind. Estate L.B.S. Marg.  
Ghatkopar (W), Mumbai-400086.

Dear Sir,

**Sub. N.D.T. Chemicals for D.P.Test for NTPC Jobs.**

This has reference to your letter Dated 19/02/2001 regarding consent for using Flaw Test Chemicals for NTPC Jobs. We have varified variuos Original Doc. Issued by reputed Organisation such as National Test House, BARC. EIL etc. Inview of this NTPC Will not have any objection for use of following Chemicals. Manufactured by you.

1) Dye Pentrant- SC\_10

2) Developer -SC-20

3) Cleaner \_SC-30

Hope you will maintain Quality of your above Products.

Thanking you.

Yours Faith fully.

(M.N. Patil)



# राष्ट्रीय केमिकल्स एण्ड फर्टिलाइजर्स लिमिटेड

(भारत सरकार का उपक्रम)

वर्क्स : प्रशासनिक भवन, चेंबूर, मुंबई - 400 074.

## RASHTRIYA CHEMICALS & FERTILIZERS LIMITED

(Government of India Undertaking)

Works : Administrative Building, Chembur, Mumbai-400 074.


Phone : 022-5561455 Gram : FERTILIZER

TS/Insp/23

5<sup>TH</sup> Jan'2001

### To Whomsoever it may concern

This is to certify that the liquid penetrant test chemicals manufactured by M/s. Spray Fill India Pvt. Ltd., Mumbai were tried in different LPT jobs for detecting very fine surface defects. The cleaner, penetrant & developer namely SC-10, SC-20 & SC-30 respectively were found to perform satisfactorily.

  
(S.B. Kunte)  
Addl.C.E.(PHS)



पंजीकृत कार्यालय : 'प्रियदर्शनी' ईस्टर्न एक्सप्रेस हाइवे, मुंबई - 400 022.  
Regd. Office : 'Priyadarshini' Eastern Express Highway, Mumbai-400 022.  
PHONES : 022 - 4078201 - 03, 4078175 - 76

Ref: EIL/HPCL/3856/DHDS/

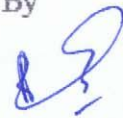
Date : 27<sup>th</sup> June 2000

**APPROVAL OF SC BRAND D.P. CHEMICALS AT HPCL CONSTRUCTION SITE.**

The following D.P. Chemicals, Manufactured by " M/s SPRAY FILL INDIA Pvt. Ltd" LBS Marg , Ghatkopar ( W ) , Mumbai is / are qualified / Approved as per EIL requirement at HPCL, DHDS Construction site.

1.	Dye Penetrant	-	SC 10
2.	Developer	-	SC 20
3.	Cleaner	-	SC 30

By



R.L. Roy  
( Manager )

Place : HPCL , Mahul, Mumbai  
Date : 03.01.2000



**SENSITIVITY CHECK LIST OF DP TEST**

Vendor : M/s Furnace Fabrica (India) Ltd.

Project : Pawane Works.

DP Chemical used : 1) Cleaner : SC 30  
2) Developer : SC 20  
3) Dye Penetrant : SC 10

Manufactured : M/s Spray Fill (India) Pvt. Ltd.

Code : IS 3658

Date of Test : 26.04.1999

Reference Block : Welded sample with defect like cracks, pores etc.

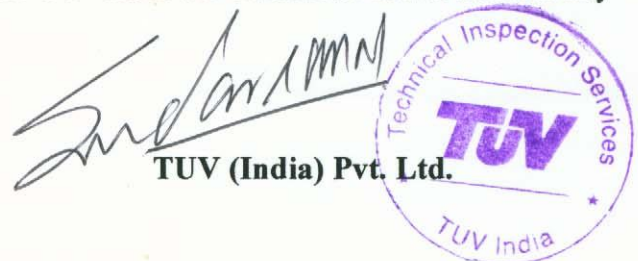
**Procedure**

The weldment was cleaned thoroughly for removal of dirt, crack. Oil etc. Applied the Dye Penetrant (SC 10) with brush and waited for 6 minutes to allow the Dye to Penetrate properly. After the holding time of 6 minutes, the joint was cleaned thoroughly using cloth soaked with cleaner (SC 30). The developer (SC 20) was then applied uniformly on the surface using aerosol spray and waited for 5 minutes.

**Observation**

All the surface irregularities were clearly visible.

**Result** : SENSITIVITY of 'SC' brand DP Chemicals found Satisfactory



दूरभाषी :-

TELEPHONE :

तार :- बार्क-बम्बई चेम्बूर

TELEGRAMS : BARC-BOMBAY CHEMBUR



भारत सरकार

GOVERNMENT OF INDIA

भाभा परमाणु अनुसंधान केन्द्र

BHABHA ATOMIC RESEARCH CENTRE

ट्राम्बे

बम्बई ४०० ०८५

TROMBAY

BOMBAY 400 085

Ref. Nos: HUES/RLG/C-15/2000

RAD-LABS

Date: July 12, 2000.

TO WHOM IT MAY CONCERN

This is to certify that Liquid Penetration test Chemicals manufactured by M/s. SPRAY FILL INDIA PVT. LTD., Mumbai has been used in various types of jobs, at B.A.R.C., TROMBAY, which are as under:

DYE-PENETRANT CHEMICALS FOR LPI

- |    |                              |       |
|----|------------------------------|-------|
| 1) | Dye-Penetrant                | SC-10 |
| 2) | Developer                    | SC-20 |
| 3) | Cleaner                      | SC-30 |
| 4) | Water Washable Dye Penetrant | SC-18 |

The above products have been found suitable for critical and sensitive applications and are meeting the requirements of IS: 3658, IS:12889 and ASTM-E-165 Specifications.

(R. P. Gurbani)

SO/Engineer (E)




बी. पी. सी. एल. परियोजनाएं, पी. ओ. बॉक्स नं. ८८०६, माहुल, मुम्बई - 400 074.  
B. P. C. L. Projects, P. O. Box No. 8806, Mahul, Mumbai - 400 074.

Ref : EIL/BPCL/3829/DHDS/

**APPROVAL OF SC BRAND D.P. CHEMICALS AT BPCL  
CONSTRUCTION SITE**

The following DP chemicals, manufactured by "M/s SPRAY FILL INDIA Pvt. Ltd. " LBS marg, Ghatkopar ( W ), MUMBAI is/ are qualified/ Approved as per EIL requirement at BPCL, DHDS construction site.

- |    |               |   |      |
|----|---------------|---|------|
| 1. | Dye Penetrant | - | SC10 |
| 2. | Developer     | - | SC20 |
| 3. | Cleaner       | - | SC30 |

By   
R. L. Roy  
( Manager )

Place: BPCL, Mahul,  
Date: 27.01.99

# ENGINEERING CONSTRUCTION CORPORATION LIMITED

(a wholly owned subsidiary of Larsen & Toubro Limited)



CIVIL, MECHANICAL  
ELECTRICAL ENGINEERS  
& CONSTRUCTORS

ENGINEERING CONSTRUCTION CORPORATION LIMITED

C/o. Tata Electric Companies, Unit-5,

Post Box No. 8831

Trombay,

Bombay-400 074

ECC/BM-51/RG/438.

APRIL 27, 1982.

M/s Parag Trading Corporation,  
17-C, Shivshakti Industrial Estate,  
L.B. Shastri Marg,  
Ghatkoper,  
Bombay 400 086.

To Whomsoever it may concern

This is to certify that your products Dye Penetrant  
SC 10, Developer SC 20 and Cleaner SC 30 are approved  
for our job at Trombay site.

For ENGINEERING CONSTRUCTION CORPORATION LIMITED

(R.GOPAL)  
RESIDENT ENGINEER

Managing Director's Office:  
P.O. BOX 343  
9/10 CLUB HOUSE ROAD  
MOUNT ROAD, MADRAS 600 002  
TELEX: 041-7157  
PHONE: 86317  
TELEGRAMS: CIVICON

Regional Offices:  
MADRAS — MOUNT POONAMALLEE ROAD, MANAPAKKAM, P.O. BOX 979, MADRAS 600 089  
BOMBAY — 6/E, MAKER TOWERS, CUFFE PARADE, BOMBAY 400 005  
CALCUTTA — 3B SHAKESPEARE SARANI, P.O. BOX 9010, CALCUTTA 700 071  
DELHI — 32 SHIVAJI MARG, P.O. BOX 6223, NEW DELHI 110 015

TELEX	PHONE	TELEGRAMS
041-7157	432396	CIVICON
011-3694	216711	CIVICON
021-2762	447561	CIVICON
031-2207	562369	LARSEN BRO

Registered Office: L&T House, Ballard Estate, P.O. Box 278, Bombay 400 038

011-2246 268181 LARSEN BRO



## MET LAB SERVICES PRIVATE LIMITED



18, SHIVSHAKTI INDUSTRIAL ESTATE, L. B. S. MARG, GHATKOPAR, BOMBAY-400086.

Phone : 514 8080, 515 2343, 513 0958

Gram : FAILURE, BOMBAY-86

REF : MLS/P-16/1225/95

24/5/1995

M/s. Parag Trading Corporation,  
17-A-1, Shiv Shakti Indl. Estate,  
L.B.S. Marg,  
Ghatkopar West,  
BOMBAY 400 086  
-----

### C E R T I F I C A T E

\*\*\*\*\*

This is to certify that your following products are certified by us for use during Liquid Penetration Tests to be carried out for jobs under our survey.

- |    |               |       |
|----|---------------|-------|
| a. | Dye-Penetrant | SC 10 |
| b. | Developer     | SC 20 |
| c. | Cleaner       | SC 30 |

Your products have been tested by us in accordance with ASTM standards and found to be satisfactory.

for MET LAB SERVICES PVT. LTD.

S.C. PARIKH  
MNG. DIRECTOR





**Dalal Consultants  
And Engineers Limited**  
*Consultants - Architects & Engineers - Constructors*

D / 11, 28TH ROAD, RAMNAGAR, ASIAN ELECTRONICS COMPOUND  
WAGLE INDUSTRIAL ESTATE, THANE (W) 400 604. • FAX : (91 - 22) 531 1602  
PHONES : 530 2470, 531 1154 / 1601 • E-Mail : dalalby.dcel@access.net.in

INSP/001

February 12, 1999

M/s. SPRAY FILL INDIA PRIVATE LIMITED,  
MUMBAI.

**Sub. Performance of SC brand D.P. Chemicals.**

This is to certify that following D.P.Chemicals manufactured by M/s. SPRAY FILL INDIA PRIVATE LIMITED, MUMBAI has been used by various Fabricators, while manufacturing the equipments for different projects executed by us.

- 1 Dye Penetrant - SC 10
- 2 Developer - SC 20
- 3 Cleaner - SC 30

Performance of the same has been found satisfactory.

A. N. SHETH

Manager ( Procurement)

R.P.VISHWAKARMA

Sr. Engineer (Quality Control )

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CONSTRUCTION GROUP

**LARSEN & TOUBRO LIMITED**

ENGINEERS

6/E MAKER TOWERS  
CUFFE PARADE  
MUMBAI 400 005  
PHONE : 2186711, 2188360/61  
FAX : 022-2188480  
GRAMS: CIVICON  
Email : eccgmbro@bom3.vsnl.net

Please reply to :

March 12, 1999

M/s. SPRAY FILL INDIA PRIVATE LIMITED  
MUMBAI.

**Sub. Performance of SC brand D.P. Chemicals**

This is to certify that following D.P. Chemicals manufactured by  
**M/s. SPRAY FILL INDIA PRIVATE LIMITED, MUMBAI**  
has been used in various Types of Jobs, while manufacturing the  
equipments for different projects executed by us.

1. Dye Penetrant - SC 10
2. Developer - SC 20
3. Cleaner - SC 30

Performance of the same has been found satisfactory.

For **LARSEN & TOUBRO LTD.**  
(E.C.C. Construction Group)

Shyamal Pal  
Sr. Engineer (QA & QC) - Mech




बी. पी. सी. एल. परियोजनाएं, पी. ओ. बॉक्स नं. ८८०६, माहुल, मुम्बई - 400 074.  
B. P. C. L. Projects, P. O. Box No. 8806, Mahul, Mumbai - 400 074.

Ref : EIL/BPCL/3829/DHDS/

**APPROVAL OF SC BRAND D.P. CHEMICALS AT BPCL  
CONSTRUCTION SITE**

The following DP chemicals, manufactured by "M/s SPRAY FILL INDIA Pvt. Ltd. " LBS marg, Ghatkopar ( W ), MUMBAI is/ are qualified/ Approved as per EIL requirement at BPCL, DHDS construction site.

- |    |               |   |      |
|----|---------------|---|------|
| 1. | Dye Penetrant | - | SC10 |
| 2. | Developer     | - | SC20 |
| 3. | Cleaner       | - | SC30 |

By   
R. L. Roy  
( Manager )

Place: BPCL, Mahul,  
Date: 27.01.99



**SENSITIVITY CHECK LIST OF DP TEST**

Vendor : M/s Furnace Fabrica (India) Ltd  
Project : Pawane Works  
DP Chemical used : 1) Cleaner : SC 30  
2) Developer : SC 20  
3) Dye Penetrant : SC 10  
Manufactured : M/s Spray Fill (India) Pvt. Ltd.  
Code : IS 3658  
Date of Test : 30.08.1999  
Reference Block : Welded sample with defect like cracks, pores etc.

**Procedure**

The weldment was cleaned thoroughly for removal of dirt, crack, oil etc. Applied the Dye Penetrant (SC 10) with brush and waited for 6 minutes to allow the Dye to Penetrate properly. After the holding time of 6 minutes, the joint was cleaned thoroughly using cloth soaked with cleaner (SC 30). The developer (SC 20) was then applied uniformly on the surface using aerosol spray and waited for 5 minutes.

**Observation**

All the surface irregularities were clearly visible.

**Result** : SENSITIVITY of 'SC' brand DP Chemicals found Satisfactory

FFIL



  
Baxcounsel Inspection Bureau Pvt. Ltd.







मुख्य कारखाना प्रबंधक  
मध्य रेल सवारी व मालडिब्बा कारखाना  
माटुंगा, बम्बई-400 019

CHIEF WORKSHOP MANAGER  
CENTRAL RAILWAY C. & W. WORKSHOP  
MATUNGA, BOMBAY-400019

संख्या/No. Lab | MTN | BHP.

दिनांक/Date 30-11-2080.

M/s. Spray Fill India Pvt. Ltd.  
17-A1, Shivshakti Ind. Estate,  
L.B.S. Marg,  
Ghatkopar,  
Mumbai - 400 086.

DYE-PENETRANT CHEMICAL FOR LPI

We refer to the samples of Flaw Test Dye-Penetrant  
SC - 10, Developer SC - 20, Cleaner SC - 30. Left with  
us for trials.

The above have been tried and found satisfactory.

H. K. KOKNE

(Asst. Insp. Officer)

Asst. Insp. Officer

माटुंगा Matunga.

CMS-I / Lab.





प्रोजेक्ट्स एंड डेवलपमेंट इंडिया लिमिटेड

( भारत सरकार का उपक्रम )

**PROJECTS & DEVELOPMENT INDIA LIMITED**

( A Govt. of India Undertaking )

1st Floor, Bengal Chemical Building

502, S. V. Savarkar Marg, Worli, Mumbai - 400 025, India.

Tel. : 422 5431 / 4779 / 1824 / 430 1823 / 0507 / 433 0069

Fax : 91 - 22 - 422 3858 E-Mail: pdil.mumbai@smy.sprintprg.ems.vsnl.net.in

Ref. : PBIS-5103-WOPT/

Date: December 9, 1999.

Parag Trading Corporation  
17-A1, Shivshakti Industrial Estate,  
L.B.S. Marg, Ghatkopar (W),  
Mumbai 400086.

Dear Sirs,

**Supply of DP Material for testing of Ammonia Storage Tank at  
M/s. RCF, Pirpau.**

We are in receipt of your quotation dated 2.12.1999 and are pleased to place our order on you for the following items:

S.No.	Item	Quantity (410ml.each)	Rate per can (Rs.)	Total amount (Rs.)
1.	Dye-Penetrant SC-10	4 cans	172.00	688.00
2.	Developer SC-20	19 cans	168.00	3192.00
3.	Cleaner SC-30	08 cans	164.00	1312.00
			<b>Total</b>	<b><u>5192.00</u></b>

Rupees five thousand one hundred ninety two only.

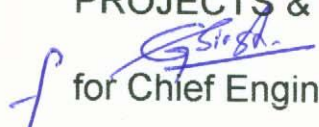
The above prices are inclusive of all taxes & duties, if applicable.

**Payment Terms:** Within 30 days of submission of your bill.

**Delivery:** Ex-stock. Free delivery to RCF Pirpau Site.

Yours faithfully,  
for and on behalf of

**PROJECTS & DEVELOPMENT INDIA LTD.**

  
for Chief Engineer



बी. पी. सी. एल. परियोजनाएं, पी. ओ. बॉक्स नं. ८८०६, माहुल, मुम्बई - 400 074  
B. P. C. L. Projects, P. O. Box No. 8806, Mahul, Mumbai - 400 074.

Ref: EIL/BPCL/3829/DHDS/

**APPROVAL OF FLAW TEST WATER WASHABLE DYE PENETRANT  
SYSTEM SC 18 AT BPCL CONSTRUCTION SITE**

The following DP chemicals, manufactured by M/s SPRAY FILL INDIA Pvt. Ltd., LBS Marg, Ghatkopar(W), Mumbai is / are qualified / approved as per EIL requirement at BPCL, DHDS construction site.

- |    |                              |   |       |
|----|------------------------------|---|-------|
| 1. | WATER WASHABLE DYE PENETRANT | - | SC 18 |
| 2. | DEVELOPER                    | - | SC 20 |

By,



R.L. ROY  
( Manager)

PLACE : BPCL. Mumbai  
DATE : 10.03.99



DESIGN  
DRAFTING

INSPECTION  
EXPEDITING

FOR CHEMICAL & PETROCHEMICAL PLANT

### SENSITIVITY CHECK LIST OF DP TEST

Vendor : M/s Furnace Fabrica (India) Ltd.

Project : Pawane Works.

DP Chemical used : 1) Cleaner : SC 30  
2) Developer : SC 20  
3) Dye Penetrant : SC 10

Manufactured : M/s Spray Fill (India) Pvt. Ltd.

Code : IS 3658

Date of Test : 26.04.1999

Reference Block : Welded sample with defect like cracks, pores etc.

### Procedure

The weldment was cleaned thoroughly for removal of dirt, crack. Oil etc. Applied the Dye Penetrant (SC 10) with brush and waited for 6 minutes to allow the Dye to Penetrate properly. After the holding time of 6 minutes, the joint was cleaned thoroughly using cloth soaked with cleaner (SC 30). The developer (SC 20) was then applied uniformly on the surface using aerosol spray and waited for 5 minutes.

### Observation

All the surface irregularities were clearly visible.

**Result** : SENSITIVITY of 'SC' brand DP Chemicals found Satisfactory





**SENSITIVITY CHECK TEST OF D.P CHEMICAL**

Vendor : Furnace Fabrica (India) Ltd

Project : Pawane Works

DP Chemical used : 1) Cleaner : SC 30  
2) Developer : SC 20  
3) Dye Penetrant : SC 10

Manufactured by : M/s Sathish Corporation

Code : IS : 3658

Date of Test : 01.12.1997

Reference Block : Welded sample with defect like cracks, pores etc.

**Procedure :**

The weldment was cleaned thoroughly for removal of dirt, crack, oil etc. Applied the Dye Penetrant (SC 10) with brush and waited for 6 minutes to allow the Dye to Penetrate properly. After the holding time of 6 minutes, the joint was cleaned thoroughly using cloth soaked with cleaner (SC 30). The Developer (SC 20) was then applied uniformly on the surface using aerosol spray and waited for 5 minutes.

**Observation :**

All the surface irregularities were clearly visible.

**Result**

: SENSITIVITY OF 'SC' brand DP Chemical  
found satisfactory



**SENSITIVITY CHECK LIST OF DP TEST**

Vendor : M/s.Furnace Fabrica (India) Limited.  
Project : Pawane Works.  
DP Chemical Used : 1 ) Cleaner : SC 30  
2 ) Developer : SC 20  
3 ) Dye Penetrant : SC 10  
Manufactured By : M/s.Spray Fill (India) Pvt. Ltd.  
Code : IS 3658  
Date of Test : 15.04.1999  
Reference Block : Welded sample with defect like cracks, pores ,etc.

**Procedure**

The weldment was cleaned thoroughly for removal of dirt, crack,oil , etc. Applied the Dye Penetrant (SC 10 ) with brush and waited for 6 minutes to allow the Dye to Penetrate properly. After the holding time of 6 minutes,the joint was cleaned thoroughly using cloth soaked with cleaner (SC 30). The developer (SC 20) was then applied uniformly on the surface using aerosol spray and waited for 5 minutes.

**Observation**

All the surface irregularities were clearly visible.

**Result**

: SENSITIVITY of 'SC' brand DP Chemicals found Satisfactory.



**Bureau Veritas Industrial Services (India) Pvt. Ltd.**

**SENSITIVITY CHECK TEST OF D.P CHEMICAL**

Vendor : Furnace Fabrica (India) Ltd

Project : Pawane Works

DP Chemical used : 1) Cleaner : SC 30  
2) Developer : SC 20  
3) Dye penetrant : SC 10

Manufactured by : M/s Sathish Corporation

Code : IS : 3658

Date of Test : 02.08.1997

Reference block : Welded sample with defect like cracks, pores etc

**Procedure:**

The weldment was cleaned thoroughly for removal of dirt, crack, oil etc. Applied the Dye Penetrant (SC 10) with brush and waited for 6 minutes to allow the Dye to Penetrate properly. After the holding time of 6 minutes, the joint was cleaned thoroughly using cloth soaked with cleaner (SC 30). The Developer (SC 20) was then applied uniformly on the surface using aerosol spray and waited for 5 minutes.

**Observation :**

All the surface irregularities were clearly visible.

**Result** : SENSITIVITY of 'SC' brand DP Chemicals  
found satisfactory





# ALPHA BETA

Engineering Construction Pvt. Ltd.

222, Swastik Chambers, C.S.T. Road, Chembur, Mumbai-400 071.

Phone : 522 45 27 / 523 09 85 / 524 52 83 / 524 52 84

Fax No. : 91-22-522 42 37 Gram : ABEECONS

## **TO WHOMSOEVER IT MAY CONCERN**

This is to certify that the following products manufactured by M/s. Spray Fill India Ltd., Mumbai - 400 007, are used for Liquid Penetration Test at our BHPV- Mukand - Kalwa Site.

### **Name of Product**

A	Dye Penetrant	SC - 10
B	Developer	SC - 20
C	Cleaner	SC - 30

The performance of the above materials have been found satisfactory.

This certificate is being issued at their request.

**DATE : 11/03/1999.**

**For Alpha Beta Engineering  
Construction Pvt. Ltd.**

  
**S. V. Subramanian  
Director**

THE TATA HYDRO-ELECTRIC POWER SUPPLY COMPANY LIMITED  
THE ANDHRA VALLEY POWER SUPPLY COMPANY LIMITED  
THE TATA POWER COMPANY LIMITED

Telegraphic Address:  
"THERMAL"

Telephone Nos. 523361/63

**TROMBAY EXTENSION PROJECT**  
**500 M. W. Unit 5**  
**BOMBAY 400 074.**

Registered Office:  
BOMBAY HOUSE,  
HOMI MODY STREET, FORT  
BOMBAY 400 023.

OUR REF.PMU5/P/Vender-Dev/82

DATE: 26.2.82

M/s Parag Trading Corporation,  
17-C, Shivshakti Industrial Estate,  
L.B.Shastri Marg,  
Ghatkoper,  
Bombay 400 086.

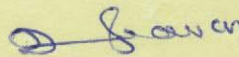
To whom-soever it may concern

Reference your letter No.PTC/681/82 dated 19.2.82.

Dear Sirs,

This is to certify that we are satisfied with the quality of your products viz. 'Dye Penetrant SC 10', 'Developer SC 20', and 'Cleaner SC 30' supplied by your firm against our order.

Yours faithfully,  
for TATA ELECTRIC COMPANIES,

  
(Col. PNV Raghavan)  
Materials Manager