

Site Office:

Vikkaravandi-Sethiyathopu Road Project,
Plot No.34, 35 Anna Road, Thillai Nagar
Gandhi Nagar Post, Near Neyveli
Arch Gate, Neyveli - 607308.
Cuddalore District, Tamil Nadu.
CIN : L75100MH1929PLC001530

Tel: +04142 - 266990

pdoffice.vsrp@relianceada.com
www.rinfra.com

Date: 17th October 2022

Our Ref: RINFRA/ROAD/NHVPS/AE/2022/SITE/1469

To

By email
vps_aetheme@outlook.com

The Team Leader,

Theme Engineering services Private Limited,
No.2-A, Malligai Street, Gandhi Nagar (Post),
Vadakuthu, Kurinjipadi Taluk, Cuddalore District,
Tamil Nadu – 607 803.

Subject: Improvement & Augmentation of Four Laning from Km 0.000 to Km 60.250 (Design Chainage Km 0.000 to Km 65.960) from Vikkravandi to Pinalur – Sethiyathopu section of NH-45C in the State of Tamil Nadu on EPC mode under NHDP Phase IV - **Source Approval for Bitumen Emulsion from S.S. Industries - Reg**

Ref: Your Lr. No. Theme/RIL/AE-VPS/F-04-A/2022-23/2493 dt. 25.07.2022

Dear Sir,

This is in reference to AE's letter dated 25.07.2022 as referred above regarding factory inspection for source approval of Bitumen Emulsion for SS1 & RS1 from S.S. Industries.

In this regard, it is to inform that the factory visit with Material Engineer of AE took place on 10.10.2022 and the test results of the tests conducted at the manufacturer's laboratory is enclosed herewith for information and records.

Please approve the source of M/S. S.S. Industries for procuring and using the SS1 & RS1 Bitumen Emulsion in the project works at the earliest.

Thanking you and assuring our best attention at all times.

Yours Sincerely,

For Reliance Infrastructure Ltd.


S.Sivasubramanian
Authorised Signatory



Encl: Test results conducted jointly at S.S.Industries' laboratory as mentioned above.

Cc: The Project Director, NHA1 PIU, Thanjavur – For information.



[Handwritten signature]



S.S. INDUSTRIES

Manufacturer of Blown Grade Bitumen & Emulsion Bitumen

Regd. Add : No. 55/29, Wahab Nagar, Tindivanam,
Villupuram Dist. - 604 002.
Ph : 04147 - 222237, Cell No : 94431 51329
E-mail : endiramesh@gmail.com

JOIN INSPECTION TEST REPORT

Date: 10.10.2022

PROJECT NAME: FOUR LANING OF VIKRAVANDI TO SETHIYATHOPE SECTION OF NH-45 C IN THE STATE OF TAMIL NADU.

PRODUCT NAME: SS-1 CATIONIC BITUMEN EMULSION SAMPLE CONFORMS TO IS 8887: 2018 CATIONIC SLOW SETTING SS-1

Batch No.: SSI/23/2022,

Date Of Manufacturing: 25.09.2022

S. No.	Tests	Units	Results	Specs.
1	SIEVE TEST	%	0.0180	<0.05
2	VISCOSITY @ 25°C	SEC	68	20 – 100
3	MISCIBILITY WITH WATER		Immiscible	Immiscible
4	STORAGE STABILITY AFTER 24 Hrs.		-	<1
5	SOLUBILITY IN TRICHLOROETHYLENE	%	-	> 98
6	Distillation in % volume			
	1.190°C		39.59	20-55
	2. 225°C		70.68	30-75
	3.260 °C		85.34	40-90
	4.316°C		90.28	60-100
	5. Residue % at 360°C Min		51.84	50
7.	Water content % Max	%	14.28	20

Quality control Executive

QA/QC Manager

Senior Quality cum Material Engineering

Virapermal

B.Kamalkannan

Int Chiranjeevi Rao

Authority Engineer





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E-mail : endiramesh@gmail.com

JOIN INSPECTION TEST REPORT

Date: 10.10.2022

PROJECT NAME: FOUR LANING OF VIKRAVANDI TO SETHIYATHOPE SECTION OF NH-45 C IN THE STATE OF TAMIL NADU.

PRODUCT NAME: RS-1 CATIONIC BITUMEN EMULSION SAMPLE CONFORMS TO IS 8887: 2018 CATIONIC RAPID SETTING RS-1

Batch No.: SSI/21/2022

Date Of Manufacturing: 03.10.2022

S. No.	Tests	Units	Results	Specs.
1	SIEVE TEST 600 MICRON	%	0.0160	<0.05
2	VISCOSITY @ 50°C	SEC	27	20 - 100
3	COAGULATION AT LOW TEMPERATURE		-	NIL
4	MISCIBILITY WITH WATER		No Coagulation	No Coagulation
5	STORAGE STABILITY AFTER 24 Hrs.	%	-	<2
6	PARTICLE CHARGE		POSITIVE	POSITIVE
7	PERCENTAGE OF RESIDUE	%	60.82	>60
8	PENETRATION @ 25°C	mm/10	-	80 - 150
9	DUCTILITY @ 27°C	Cm	-	>50
10	SOLUBILITY IN TRICHLOROETHYLENE	%	-	>98

Quality control Executive

QA/QC Manager

Senior Quality cum Material Engineering

Virapermal

B.Kamalkannan

Inti Chiranjeevi Rao



(S S industries)

(Reliance Infrastructure Ltd)

I. Chiranjeevi Rao
Authority Engineer

Theme Engineering Service Pvt Ltd.

Factory : Old No. : 164, New No. 10, Kadamalaiputhur Village, Perumperkandigai - post, Madurantakam - T.K.
Kanchipuram Dt - 603 802. Cell : 98432 26329