



**Garden Reach Shipbuilders & Engineers Ltd.**

(A Government of India Undertaking)

43/46, Garden Reach Road, Main Unit Kolkata- 700 024.

**Phone:** 9432346802 **e-mail:** Chandran.Ragesh@grse.co.in

Ref No: PP&C/03/28/LCU/WDC/1(i)

Date: 29.03.2021

**COMPLETION CERTIFICATE**

**Work Title** : Supply, Installation & Commissioning of Dual Shot CO2 Extinguishing System at LCU, Yard No.2092 to 2099

**P.O. No. & Date** : NCM-4700019462 – 69, Dated 29.04.2017

**Ship Class** : IN Landing Craft Utility vessels (Hull Nos. L51 – L58)

**Owner** : Indian Navy

**Shipbuilder** : Garden Reach Shipbuilders & Engineers Ltd., Kolkata

**Work Done By** : Technico (India) Private Limited, Kolkata

**Name of Project** : LCU, GRSE Yd. 2092 – 99; IN LCU L-51 to L-58

**Date of Starting** : 29.04.2017

**Date of Completion** : 29.03.2021


This is to certify that M/s Technico (India) Pvt Ltd have successfully completed turnkey project of Dual Shot CO2 Extinguishing System involving Design, Detail Engineering, Supply, Installation, Testing, STW & Commissioning on Board Indian Naval Landing Craft Utility Vessels (GRSE Yard Nos. 2092 to 2099) i.e., for 08 nos. ships vide aforementioned orders. (Please follow Annexure – I for PO details).

Dual Shot CO2 Extinguishing Systems for all the 08 nos. Ships were commissioned successfully on 01.03.2021 and handed over to the ship-staff/ GRSE Authority on 29.03.2021.

The systems are under use and working satisfactorily.

  
BADHAVATH ABHIMANYU  
Dy. Manager (PP & C)  
Production Planning & Control Dept.  
GRSE Ltd., Kolkata-700024



  
Chandran Ragesh (Chandran RR, RRR)  
SM (PP & C) / SR  
GRSE



**Garden Reach Shipbuilders & Engineers Ltd.**

(A Government of India Undertaking)

43/46, Garden Reach Road, Main Unit Kolkata- 700 024.

**Phone:** 9432346802 **e-mail:** Chandran.Ragesh@grse.co.in

**Ref No:** PP&C/03/28/LCU/WDC/1

**Date:** 29.03.2021

**COMPLETION CERTIFICATE**

**Work Title** : Supply, Installation & Commissioning of Single shot CO2 Extinguishing System at LCU, Yard 2092 to 2099

**P.O. No. & Date** : N06-4700009246 – 53, Dated 31.12.2013 (Supply)  
N06-4800003123 – 30, Dated 31.12.2013 (Erection)

**Ship Class** : IN Landing Craft Utility vessels (Hull Nos. L51 – L58)

**Owner** : Indian Navy

**Shipbuilder** : Garden Reach Shipbuilders & Engineers Ltd., Kolkata

**Work Done By** : Technico (India) Private Limited, Kolkata

**Name of Project** : LCU, GRSE Yd. 2092 – 99; IN LCU L-51 to L-58

**Date of Starting** : 31.12.2013

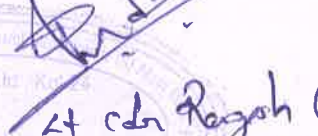
**Date of Completion** : 17.07.2020

This is to certify that, M/s Technico (India) Pvt. Ltd., have successfully completed turnkey project of Single Shot CO2 Extinguishing System involving Design, Detail Engineering, Supply, Installation, Testing, STW & Commissioning on Board Indian Naval Landing Craft Utility Vessels (GRSE Yard Nos. 2092 to 2099) i.e., for 08 nos. ships vide aforementioned orders. (Please follow Annexure – I for PO details).

Single Shot CO2 Extinguishing Systems for all the 08 nos. Ships have been commissioned successfully and handed over to the ship-staff & GRSE Authority on 17.07.2020.

The systems are under use and working satisfactorily.

  
**BADHAVATH ABHIMANYU**  
Dy. Manager (PP & C)  
Production Planning & Control Dept.  
GRSE Ltd., Kolkata-700024

  
Ch Chandran Ragesh  
SM (PP&C) / SR  
GRSE

Work Title: Supply, Installation & Commissioning of Single Shot & Dual Shot CO2 Extinguishing System at LCU Project												
Name of Project: LCU, Yard No.2092 - 99												
SI No	LCU Yard	Single Shot CO2 Fire Fighting System						Dual Shot CO2 Fire Fighting System				TOTAL
		PO No	Supply Value	Erection Value	PO No	Supply Value	Erection Value	PO No	Supply Value	Erection Value		
1	2092	N06-4700009246	₹ 4,308,035.07			NCM-4700019462	₹ 4,513,500.00	₹ 1,357,000.00				
		N06-4800003123		₹ 337,080.00		N18-6700001053	₹ 2,374,750.00					₹ 14,395,185.07
		N08-4800008411		₹ 916,000.00		SR2-4800020337		₹ 588,820.00				
2	2093	N06-4700009247	₹ 4,262,235.07			NCM-4700019463	₹ 4,513,500.00	₹ 1,357,000.00				
		N06-4800003124		₹ 345,000.00		N18-6700001054	₹ 1,831,950.00					₹ 12,716,785.07
						SR2-4800017825		₹ 259,600.00				
3	2094					SR2-4800018943		₹ 147,500.00				
		N06-4700009248	₹ 4,262,235.07			NCM-4700019464	₹ 4,513,500.00	₹ 1,357,000.00				₹ 10,746,335.07
		N06-4800003125		₹ 354,000.00		SR2-4800018302		₹ 259,600.00				
4	2095	N06-4700009249	₹ 4,263,160.07			NCM-4700019465	₹ 4,513,500.00	₹ 1,357,000.00				
		N06-4800003126		₹ 354,000.00		SR2-4800018303		₹ 259,600.00				₹ 10,747,260.07
5	2096	N06-4700009250	₹ 4,280,081.57			NCM-4700019466	₹ 4,513,500.00	₹ 1,357,000.00				
		N06-4800003127		₹ 354,000.00		N18-6700001055	₹ 2,374,750.00					₹ 13,138,931.57
						SR2-4800020547		₹ 259,600.00				
6	2097	N06-4700009251	₹ 4,280,081.57			NCM-4700019467	₹ 4,513,500.00	₹ 1,593,000.00				
		N06-4800003128		₹ 354,000.00								₹ 10,740,581.57
7	2098	N06-4700009252	₹ 4,280,081.57			NCM-4700019468	₹ 4,513,500.00	₹ 1,357,000.00				
		N06-4800003129		₹ 354,000.00		N18-6700001056	₹ 5,003,200.00					₹ 15,587,903.57
						N18-6700001021	₹ 80,122.00					
8	2099	N06-4700009253	₹ 4,280,081.57			NCM-4700019469	₹ 4,513,500.00	₹ 1,357,000.00				
		N06-4800003130		₹ 354,000.00		N18-6700001100	₹ 646,522.00					₹ 16,154,303.57
						N18-6700001101	₹ 5,003,200.00					
9	Base & Depot Spare for CO2 system of LCU project					N10-6200000022					₹ 7,670,000.00	

  
**BABHAVATH ABHIMANYU**  
 Dy. Manager (PP & C)  
 Production Planning & Control Dept.  
 GRSE Ltd., Kolkata-700024

₹ 111,897,285.56

*(Signature)*  
 SIM (PP & C) / SR  
 G.D.R.