



Ref: KCP: CS : SE : RB : 23-24 : 610231

October 6, 2023

National Stock Exchange of India Limited (NSE)
Scrip : KCP
Bandra Kurla Complex,
Bandra (E)
Mumbai-400 051

Bombay Stock Exchange Ltd (BSE)
Scrip - 590066
Floor No.25, P J Towers
Dalal Street,
Mumbai 400 001

Dear Sir,

Sub: Press Release - Handing over of CM structure to HSFC - ISRO.

Pursuant to Regulation 30 of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, we are enclosing herewith a Press Release issued by The KCP Limited on the captioned subject, the content of which is self-explanatory.

This is for your information and dissemination.

Thanking You,

Yours faithfully,
For THE KCP LIMITED

A handwritten signature in blue ink, appearing to read 'Y. Vijayakumar'.

Y. VIJAYAKUMAR
COMPANY SECRETARY &
COMPLIANCE OFFICER.

THE KCP LIMITED

Registered Office: *Ramakrishna Buildings, 2, Dr. P. V. Cherian Crescent, Egmore, Chennai 600 008. INDIA*

Phone: + 91-44-6677 2600 Fax: + 91-44-6677 2620 E-mail: corporate@kcp.co.in

www.kcp.co.in

CIN : L65991TN1941PLC001128

Press Release - Pre Handing over

KCP handing over Dia 3.1m IADT – CM Structure to HSFC - ISRO

KCP – Heavy Engineering unit, 7 decade company , located at Thiruvottiyur, Chennai Supplying equipment for Core Engineering sector (Cement, Sugar, Mineral, Power & Steel), Oil & Gas industries and Indian Defence , Space & Nuclear establishments.

KCP – Heavy engineering unit having integrated facility for Heavy casting, Machining & Fabrication under one roof.

KCP is in association with ISRO for the past 3 decades and supplies Flight Hardware for Rocket vehicle Like Motor cases , Nozzle Divergent and Inter stage structures. KCP Supplied heavier ground parts for propellant Casting & vehicle Launching facilities like Mobile Launch Pedestal and 7.0m Dia Vacuum chamber. It shows that KCP's presence in every sphere of Space.

ISRO is currently working on Human Space Flight Mission (Gaganyaan) and placed order for 2 Nos of Integrated Air Drop Test - Crew Model Structure (IADT -CM) fabrication.

These structure is for demonstrating the Technology Preparedness levels before carrying out actual Human Space Flight Mission (Gaganyaan).

KCP developed the Tooling & Fixtures , fabricated and realised the 1st IADT – CM Structure through In – House facilities.

IADT CM Structure is about 3.1m Dia x 2.6m height and made up off with light alloy (Aluminum) and 15CDV6 Steel. A structure built up with more than 100 components by joining together with welding , riveting and with threaded fastening.

Structure Fabrication involves Critical Tooling & Fixturing , Forming, welding, Heat Treatment, Machining, Assembly and Riveting work.

KCP – Heavy engineering Infra structure and skilled workmanship ideally suited for realisation of this critical hardware.

Dr. Indira Dutt , Chairman and Managing Director , KCP- Group will hand over this structure to Shri. R. Hutton, Acting Director , Human Space Flight Center , HSFC, ISRO on 7th Oct 2023 at KCP-Heavy Engineering.

KCP management is very much thankful to HSFC - Team for their valuable guidance provided throughout the journey.

KCP management is very keen on to expand its facilities from component manufacturing into system integration in coming days.



The KCP Limited
Heavy Engineering , Chennai -19

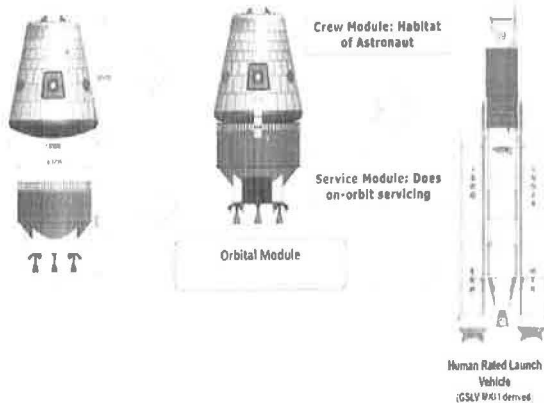


Handing Over
Of
Integrated Air Drop Test (IADT) – Crew Module Structure
To
Director , HSFC , ISRO
By
Chairperson and Managing Director , KCP

Date : 07 – Oct - 2023



Gaganyaan Mission



Courtesy : ISRO website

- Gaganyaan mission envisages launching a crew of two / three members to an orbit of 400 km for a 3 days mission and bringing them back safely to earth by landing in Indian Sea Waters.
- The mission will demonstrate human space flight capability to Low Earth Orbit and safe return.
- Gaganyaan Mission mainly consists of Crew Module and Service Module.

IADT – Crew Model Structure

Integrated Air Drop tests (IADT)



Various precursor missions are planned for demonstrating the Technology Preparedness Levels before carrying out the actual Human Space Flight Mission.

These demonstrator missions includes Integrated Air Drop Test for Crew Module.

Safety and reliability of crew module system will be proven through these tests before manned mission.

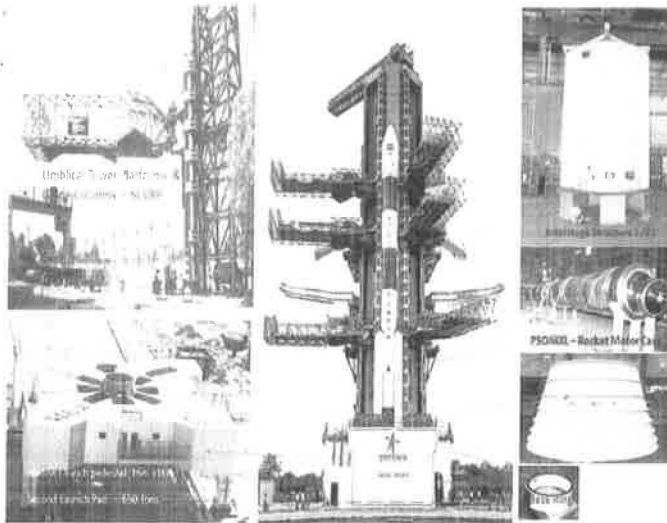
ISRO placed order for 2 Numbers of IADT – Crew Module Structure fabrication on KCP .

IADT – Crew Module Structure



- Structure is designed by Human Space Flight Center (HSFC), ISRO
- **KCP realized this critical IDAT structure and Handing over to HSFC, ISRO on 7th Oct 2023**
- This structure size is about Dia 3.1m and 2.6m Height and weighs 3120 Kg. Structure realization involves Critical Forming , Precision machining, and stringent assembly required of both Aluminum and High Strength Steel.
- Validating the sequence and performance of parachute systems in the Gaganyaan mission
- Simulates the shape and size of the actual Gaganyaan crew module.
- Its structure accommodates major subsystems like parachute system, pyros, avionics, and buoyance augmentation system for IADT.
- IADT will be performed using an Indian Air Force helicopter by taking the Crew module structure to an altitude of 3.6 to 4km to validate the deceleration system (parachute & Pyro's) performance

KCP - Presence in Space sector



- KCP Supplies Flight Hardware for PSLV (PSOXL Motor Case , Nozzles, Base Ring, IS 1/2L Riveted structure , L40 Tank Domes).
- KCP supplied Mobile Launch Pedestal, Swing Cum vertically Repositionable Platforms , Guide Columns for Second Launch Pad at Sriharikota.
- KCP Supplied more equipment for Propellant Casting Facility, notably Dia 7m x 16,5 Long Vacuum vessel
- KCP machined and supplied about 40 numbers Ti 6Al 4V satellite propellant tank components of thickness 0.75/0.8/1mm.

KCP – Future Plans

- KCP plans to enhance its facilities to participate in larger way in ISRO's Future Programmes.
- KCP in a Plan to add Precision Machine Shop Facility .
- KCP eyes for Bigger Dia Rocket Motor Cases and GSLV – Inter stage and Tank Structures Fabrication
- KCP Facility ideally suits for ISRO's Next Generation Launch Vehicle parts Fabrication.