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FINAL DRAFT FOR APPROVAL

Government of India
Department of Space
Indian Space Research Organisation

Ref:SC/CH/S.5.1

Date:

STANDING ORDER NO.1/76

Sub: Reorganisation of SHAR Centre

With immediate effect and until further orders, the SHAR Centre is hereby reorganised as under. SHAR Board set up in terms of the Office Order No.G-17015/ISRO-73 dated 14 November 1973 is hereby abolished. Instead, the following two Boards are formed:

- (i) SHAR Range Board;
- (ii) SPROB Board.

Both these Boards will be chaired by Dr. Brahm Prakash, Director, VSSC. Orders regarding their composition will issue separately.

2.0 The SHAR Centre, till further orders, shall comprise of two units as under:-

- (1) SHAR Range
- (2) Solid Propellant Space Booster Plant (SPROB)

3.0 The SHAR Range will consist of the following:-

3.1 Sriharikota Launch Complex (SLEX) which, among others, will be responsible for (i) planning, designing, commissioning and operating storage, handling, assembly and launch facilities for single and multi-stage sounding rockets and satellite launch vehicles, (ii) tracking, telemetry and command

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systems for carrying out the launch and post launch operations, (iii) data transmission and communication links and computing facilities, (iv) planning, establishment and operation of fixed, transportable and mobile down range stations, and (v) ensuring safety of personnel and property.

3.2 Until further orders, responsibilities for the direction and coordination of the ISRO wide Tracking, Telemetry, Command and data acquisition (TTC) network will vest with SLEX.

3.3 Static Test & Evaluation Complex (STEX) which, among others, will be responsible for (i) designing, building and operation of facilities for static testing of rocket motors, including handling and storage thereof and (ii) instrumentation and data processing relating to the above.

4.0 In terms of Joint Secretary, DOS letter No.10/13(1)/74-II-III dated 19 January 1976, further work on the Rocket Sled Facility (RSF) will be held in abeyance till further instructions. As and when RSF is revived, this Facility will form a part of the SHAR Range.

5.0 The Solid Propellant Space Booster Plant (SPROB) will be responsible for (i) planning, establishment and safe operation of the solid propellant plant to produce propellant grains of various sizes to meet specific application and (ii) expansion of facilities as and when required.

6.0 Dr.Y.J.Rao is designated as the Project Director, SHAR Range, and will report to the Chairman, SHAR Range

Board (see para 1.0 of this Order). He will additionally hold direct charge of SLEX and its further development. Pending the issue of revised delegation orders, he will exercise the powers delegated to him as Project Engineer, SLC vide Chairman, SHAR Board Office Order No.140/75 dated 2 June 1975.

7.0 Shri R.Jayamani is designated as the Dy.Project Director, SHAR Range and will report to the Project Director, SHAR Range. The Dy.Project Director's responsibilities are defined in para 10.0 of this Orders. During the absence of the Project Director, SHAR Range, from the Island for a period not exceeding 10 days, the routine responsibilities of Project Director, SHAR Range, will automatically be performed by the Dy.Project Director, SHAR Range. Whenever the period of absence of Project Director, SHAR Range, exceeds 10 days, the Project Director, SHAR Range will obtain from the Chairman, SHAR Range Board/Chairman, SPROB Board the specific additional powers for the Dy.Project Director, SHAR Range necessary for progress of work on the SHAR Range, during his absence.

8.0 Shri K.V.Venkatachary in addition to his responsibilities in SLC, will hold additional charge of the management of the ISRO TTC Network (ISTRAC) referred to in paragraph 3.2. He is designated as the Project Manager, ISTRAC and will report till further orders, to the Project Director, SHAR Range.

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9.0 For optimum utilisation of manpower and facilities, the Project Director, SHAR Range and Dy.Project Director, may, with the approval of Chairman, SHAR Range Board and taking into consideration the existing structure, organise SLEX/STEX into Sections/Facilities to the extent considered necessary and designate senior engineers to head each of them. The number of such Sections/Facilities shall be kept to a minimum.

10.0 Till further orders, the Dy.Project Director, SHAR Range, will be in charge of STEX. He may be assigned such other responsibilities in the SHAR Range as are entrusted to him by the Project Director, SHAR Range, in consultation with and approval of the Chairman, SHAR Range Board.

10.1 For further development of STEX, Shri R.Jayamani, the Dy.Project Director, SHAR Range, may consult with the Director, Propulsion Group, VSSC, keeping the Project Director, SHAR Range, informed of matters relating to such consultation.

10.2 Pending the issue of revised delegation orders, the Dy.Project Director, SHAR Range will exercise the powers delegated to him as Project Engineer, STEX vide Chairman, SHAR Board Office Order No.146/75 dated 2 June 1975.

11.0 Shri P.D.Majumdar is designated as Project Manager, SPROB. He will report to the Director, C&M Group, VSSC, who will have the overall responsibility for establishment and commissioning of this plant. After the plant is commissioned, the overall responsibility for its operation and further development as and when required, will vest with the

General Manager (Chemical), VSSC. The Director, C&M Group and GM (Chemical) will report to the Chairman, SPROB Board. (see para 1.0 of this Order).

11.1 Pending the issue of revised delegation orders, the Director, C&M Group, VSSC will exercise the powers delegated to him as Project Engineer, SPROB vide Chairman, SHAR Board Office Order No.143/75 dated 2 June 1975 for the execution of the Project. He may sub-delegate such of the powers^{as} are considered necessary to the Project Manager, SPROB.

11.2 In due course, the Director, C&M Group shall, with the approval of Chairman, SPROB Board organise SPROB into Sections/Facilities and designate senior personnel to head each of them.

12.0 The responsibilities relating to the Sriharikota Common Facilities (SCF) for the SHAR^R Centre will vest with the Controller, SHAR Centre, who will, till further orders, report to the Project Director, SHAR Range, for matters relating to SHAR Range and to the Chairman, SPROB Board for matters relating to SPROB. Till his appointment, the responsibilities of the Controller are entrusted to Shri P.S.Kanwal, in addition to his responsibilities as the Deputy Secretary, Department of Space.

13.0 SCF will carry out all the functions as laid down in Chairman, SHAR Board Office Order No.117/75 dated 6 February 1975 and any modifications thereof made from time to time except for (i) Library, publication and documentation,

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(ii) Photography which will be placed in the charge of persons nominated by and reporting to the Project Director, SHAR Range, and (iii) the Workshop facilities the arrangements for which are given in para 16.0 of this Order. The library, publication and documentation and photography facilities will serve all the Units of the SHAR Centre.

14.0 Controller, SHAR Centre, in consultation with Project Director, SHAR Range, and with the approval of Chairman, SHAR Range Board/SPROB Board may reorganise the SCF into Sections/Facilities to the extent considered necessary and designate senior personnel to head each of them. Such reorganisation shall take the existing structure into consideration.

15.0 Till further orders, SCF will be operated on the basis of instruction contained in the Office Order referred to in para 13.0 and modification thereof as may be made to it from time to time.

16.0 In partial amendment of para 3.8 of the Office Order referred to in para 13.0 above, all the workshops in the units of the SHAR Centre except those which, with the approval of Chairman, SHAR Range/SPROB Boards, are categorised as maintenance or special purpose workshops, shall be treated as a Common Facility of the SHAR Centre. This Common Facility will be managed by the SHAR Range and its operation is entrusted to the Dy. Project Director, SHAR Range. Acquisition of any new workshop machinery in any of the Units of the SHAR Centre will require approval of the

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SHAR Workshop Committee composed as under:-

Shri R.Jayamani .. Convenor

Shri P.D.Majumdar .. Member

Shri R.Rajamanickam .. Member

A representative from the SHAR Central Administration, to be named by the Controller in consultation with the Dy.Project Director, SHAR Range, will be the non-Member-Secretary

17.0 Project Director, SHAR Range, will be responsible for the overall planning and overseeing of the security functions relating to the Island. However, Controller, SHAR Centre, will look after day-to-day matters relating to security. The CISF will report to the Controller, SHAR Centre, who in turn will report to the Project Director, SHAR Range on all security matters. Special requirements of SPROB in security and fire fighting shall be executed as laid down by Chairman, SPROB Board. However, all matters relating to internal security within projects/units will be carried out by the respective projects/units in coordination with the Central Security.

18.0 The Internal Financial Adviser (IFA), SHAR Centre, will report to the Controller, SHAR Centre. In case of difference of opinion between IFA and the Controller, SHAR Centre, the matter shall be referred through the Controller to Chairman, SHAR Range Board/SPROB Board, as applicable, for a decision.

19.0 A Range Planning & Evaluation Group (RPEG) shall be constituted immediately to assist the Project Director, SHAR Range, in planning and monitoring of various activities in the SHAR Range. The Project Director, SHAR Range, with the approval of the Chairman, SHAR Range Board will designate

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a suitable person to head this group consisting of persons drawn from both the Units of SHAR Range *i.e. SLEX and STEX*

20.0 Matters requiring urgent decision by the Board (see para 1.0) will be referred to the following Emergency Committees which will report the decisions taken to the Board at its next meeting for information.

(a) Emergency Committee for the SHAR Range Board:

Project Director, SHAR Range;
Controller, SHAR Centre;
IFA, SHAR Centre.

(b) Emergency Committee for the SPROB Board:

Project Manager, SPROB;
Controller, SHAR Centre;
IFA, SHAR Centre.

21.0 A Sriharikota Centre Council (SCC) will be set up separately by Chairman, SHAR Range Board/Chairman, SPROB Board.

(S.Dhawan)
Chairman, ISRO