Television Maldives

by

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TELEVISION MALDIVES

INTRODUCTION.

Republic of Maldives is an island nation comprising of about 1,200 coral islands out which 200 islands are inhabited. They are streched from north to south in the Indian Ocean, with close neighbours India and Shri Lanka. The distribution of population into tiny communities through out the nation in 19 Atolls. Unfortunately only 1 Atoll currently getting the television service.

Current television station in Maldives consists of 2 NEC 1 KW transmitter which radiating frequencies : VEDIO 194.74 MHZ
AUDIO 189.27 MHZ

Currently using satellite dishes are an Indian Dhoordhashan dish which presented by Indian Government operating from 1st Sept 1991 and Prosat - 390. We use CNN, World, CFI and Arab satellites for news and programmes.

Our station has uplink facilties installed on 1990 and telecast to the world by satellite, the SAARC summit which held in Maldives on 1990.

FUTURE PLANS

We are mostly depend on our national telecom network should be implemented before the year of 1996. According to their project report they are installing four earth stations in four various locations through the nation.

Through this network we would be able to expand our television signals to whole our nation. We hope to give television services to our nation before the year of 2000.

REPUBLIC OF MALDIVES

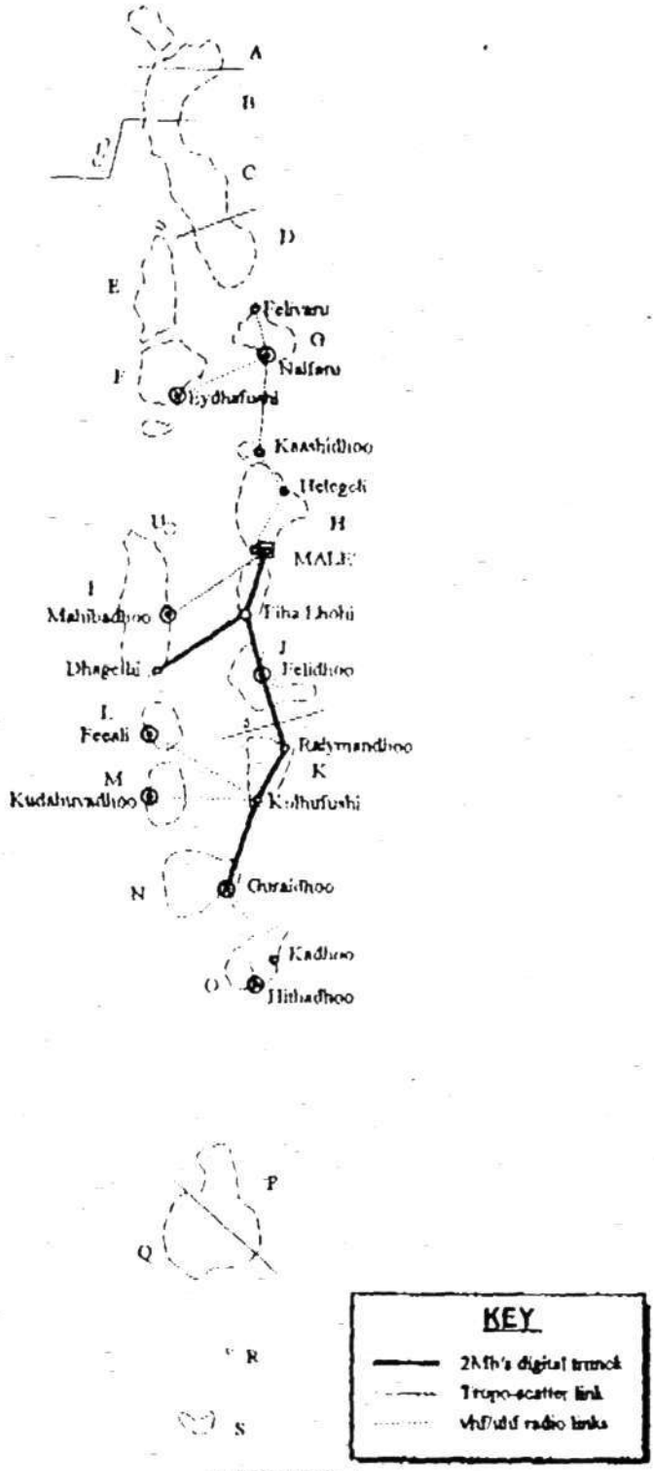


FIGURE 1

Annex

EXPANSION OF NATIONAL TRUNK NETWORK FOR MALDIVES

PHASE I

1. Introduction

The existing Telecommunications Network in the Maldives covers only about 50% of the country's geographical area. The telephone density in the capital city including other urban areas is about 12% compared with 0.1% in the outlying atolls.

The Department of Posts and Telecommunications (POSTEL) has undertaken a survey to study the telecommunications requirements in the atolls far north and far south. The domestic traffic requirements evaluated are based on the future economic development of the islands and the projected annual average telephone traffic increase of 10-12%. In view of the above and the consultancy from INTELSAT, POSTEL has considered the scenario of establishing a domestic satellite communications network to cover telecommunications services in the outlying atolls.

The proposed satellite communications network is based on a STAR configuration (see figure 1) consisting of a hub earth station and three (3) supporting remote earth stations. In this analysis, the network has been configured as follows:

- Operation of IDR network on carrier basis for the domestic and international traffic;
- Fully digital facilities (IDR) to support the domestic forecasted traffic connections and international traffic, for the next 10 years;
- Utilization of Hithadhoo, Kulhudhufushi and Thinadhoo as remote locations for earth stations;
- Utilization of one 4096 kbits/s IDR/LRE, multidestination carrier from Villingili to Hithadhoo, Kulhudhufushi and to Thinadhoo, one 1024 Kbits/s IDR/LRE carrier from Hithadhoo to Villingili, one 1024 Kbits/s IDR/LRE carrier from Kulhudhufushi to Villingili, and one 1024 Kbits/s IDR/LRE carrier from Thinadhoo to Villingili;
- Utilization of the existing earth station at Villingili as a Hub;
- 2 Mbits/s interfaces with the terrestrial network.

2. Project details

2.1 HITHADHOO / GAN

IDR Remote Earth Station (24 - 30 ch)
Multiplex Equipment

Remote Switch (1000 Lines)
6m Container
Cable Network for 300 Subs (4 pr km/sub)

Power Systems (including Engine generator)
UHF Link 30 ch to GAN

Installation
Civil Works
Operation and Maintenance Support (1 yr)
Training

2.2 KULHUDHUFUSHI

IDR Remote Earth Station (6 - 12 ch)
Multiplex Equipment

Remote Switch (500 Lines)
6m Container
Cable Network for 200 Subs (2 pr km/sub)

Power Systems (including Engine generator)
UHF Link 12 ch to HANIMAADHOO

Installation
Civil Works
Operation and Maintenance Support (1 yr)
Training

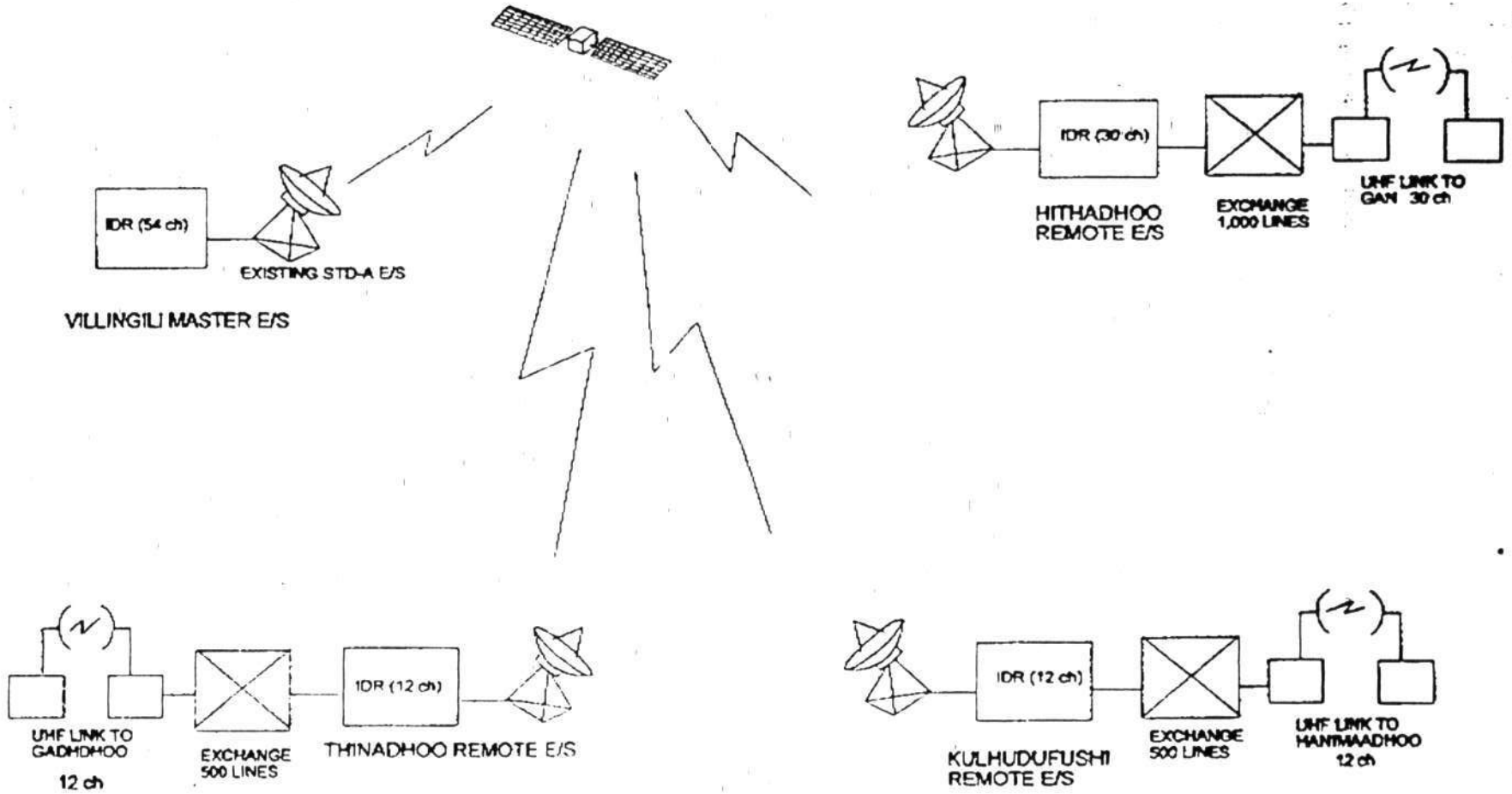
2.3 THINADHOO

IDR Remote Earth Station (6 - 12 ch)
Multiplex Equipment

Remote Switch (500 Lines)
6m Container
Cable Network for 200 Subs (2 pr km/sub)

Power Systems (including Engine generator)
UHF Link 12 ch to GADHDHOO

Installation
Civil Works
Operation and Maintenance Support (1 yr)
Training



PROPOSED SATELLITE NETWORK

FIG. I