

Proposed Renewal of 100 Volt Transmission Rack Plus Provision of Listening Facilities for Day Rooms on Ward 12 EMI Unit **(plus Re-instatement of bedheads for ward 10)**

Background

In 1975/6 the league of friends injected £5000 into the setting up of the hospital radio service which included the provision of the bedhead listening equipment currently installed in the studios.

Over the years the equipment has been maintained by the radio station. The unit provides 4 radio channels, of which one is already faulty beyond repair. The age of the equipment prevents any further maintenance as replacement parts are no longer available. The equipment has lasted as long as it has, due to the easy access and the tender loving care given by the radio staff.

The hospital has always been responsible for the provision of the bedhead listening facilities above the bed. This has resulted in units being left in a faulty state as money has not been available to spend on repair or replacement of headphones.

In 1986/87 as listening facilities around the wards became scarce the radio station looked at the option of using the emerging technology of inductive loop which could provide signal across the hospital without the need for cables and individual bedhead equipment. The radio station raised £10,000 to provide this equipment and it was installed in February 1988.

The inductive loop(Medium Wave) service was never intended to be a direct replacement for the bedhead services. The inductive loop system was installed to complement the bedhead system and offer service where the bedhead had broken down. Over the years patients and their relatives have been encouraged to sponsor loan radios and this has worked quite well on wards where patients may have a longer stay. 225 loan radios have been provided since 1990 of which I'm sure not all are still on the hospital property but have been spirited away.

In order to maintain the loan radio it is essential that access to bedside lockers is available at all times. On the EMI unit access to lockers is not available so we are unable to offer the loan radio service, as it is impossible to administer. The EMI unit suffers from interference from alarm systems especially in the evenings when signal is poor. The metal ceiling tiles seriously hamper the inductive loop signal.

Where patients have a short stay: the loan radio service doesn't work so well. (i.e. ward 7).

Proposals

Our proposals are to secure funding for the replacement of the ageing bedhead equipment in the studios as well as provide a new link to ward 10 so that bedheads can be re-instated(damaged in 1988). It is also our intention to provide speakers in day rooms on the EMI unit with the choice of four radio services.

We are allowing for any refurbishment's that take place on the hospital in the future.

Our Goal

It is important we don't abandon the option for patients to use the bedhead system. The recent renovation of ward 3 clearly indicates that the hospital will still be supporting the provision of the bedhead.

We must take every opportunity available to ensure we maximise our listenership by ensuring both systems AM & bedhead are available to our patients.

What Next

The cost of the equipment without the man-hours cost to install the cable comes out at £5,200 with a proviso for unforeseen expenses, we would be looking at £6000 needed.

We will be negotiating a contribution of man-hours from the hospital to install the cable links. If they don't support, we could find a further bill could add at least a further £4000.

These figures are not unobtainable and nobody needs to worry about their further contributions to the radio. No we are not going to ask you to put in more hours on fund-raising etc. We will continue to do our annual running cost fund-raising: as normal. Any additional funds which can be raised will be set aside for the new equipment.

At the league of friends meeting last night it was decided to set aside £500 of funds from the radio money on deposit.

This fund set-up will be an ongoing project of the radio station to co-ordinate the funds/fund-raising of outside groups.

Our financial contribution has already been made, we will looking for support from third parties to fund the rest. No time limit has been set.

Our next course of action will be negotiation with the hospital to make the manpower contribution.

Who Are We Gonna Write To ?

I will of course be writing to our usual contacts for support but welcome any suggestions from presenters who may have contacts/addresses which might assist. Every 50p will help.

**I hope you will all lend your support for our venture and assist where you can
and have fun doing so !!!**

Equipment Costs Where the Money Will Be Spent.

19" Equipment Rack

A new rack to be purchased 37U which will allow adequate ventilation and facilitate the inclusion of a time switch. The rack will also allow for expansion of facilities which may be required utilising 19" rack technology.

Cat No:-	Supplier	Description	Qty	Price Ea.	Total Exc. Vat
16-461	Canford Audio	37U Rack	1	420.00	420.00
16-471	Canford Audio	Plinth	1	61.00	61.00
16-480	Canford Audio	Spacer Set, for convected	1	3.63	3.63
16-962	Canford Audio	1U Fan Tray	1	155.00	155.00
16-930	Canford Audio	2U Vent Panel	2	15.68	31.36
42-778	Canford Audio	Mains Dist Board 8Way	1	65.33	65.33
329-597	RS Components	Time Switch	1	21.44	21.44
ZA99H	Maplins	4U Blank Panels	2	11.71	23.42
ZA98G	Maplins	3U Blank Panels	1	9.54	9.54

Sub Total £790.72 exc. vat

Amplification & Tuners Etc.

The new amps and tuners which are required can be purchased off the shelf from the suppliers listed.

Cat No:-	Supplier	Description	Qty	Price Ea.	Total Exc. Vat
BD83E	Maplins	Radio Tuners	4	91.91	367.64
93-723	Canford Audio	120 watt Amps	4	332.50	1330.00
93-721	Canford Audio	Pre Amp	4	145.00	580.00
93-725	Canford Audio	Monitor Panel	1	124.00	124.00

Sub Total £2401.64 exc. vat

EMI Units Speakers & Volume Controls Etc.

The new speakers and program selectors which will be required.

Cat No:-	Supplier	Description	Qty	Price Ea.	Total Exc. Vat
58-293	Canford Audio	6Way Program Selector + Volume Control	5	29.53	147.65
76-702	Canford Audio	6 Watt Speakers	5	21.16	105.80

Sub Total £253.45 exc. vat

Ward 10 Bedhead

This ward was originally connected to ward three and didn't have it's own transformer isolation unit. A new unit will need to be supplied. Once new service has been provided to ward 10 replacement headsets will be required.

Cat No:-	Supplier	Description	Qty	Price Ea.	Total Exc. Vat
M15/4	Heron Mediteq	4 Program Isolation Trans	1	92.00	92.00
M01	Heron Mediteq	Stethoscope Headsets	40	2.50	100.00

Sub Total £192.00 exc. vat

Cable

The proposed cable route and connection points are shown (See Drawing)

The cable used is low fire hazard cable with blue outer sheath recommended for installations in hospitals and public buildings.

Cat No:-	Supplier	Description	Qty	Price Ea.	Total Exc. Vat
33-809	Canford Audio	DSQ 100volt Cable	1000M	0.74m	740.00

Sub Total £740.00 exc. vat

Man-hours ??

Radio Heatherwood will provide the materials and make the necessary connections.

We would be looking for the hospital to contribute to the project with their own works dept providing the installation of the cable links

Miscellaneous

Cable fixings, junction boxes and allowing for any unforeseen expenses, a figure of £800 needs to be set aside.

Miscellaneous expenses £800.00 exc. vat
Sub Total £800.00 exc. vat

19" Equipment Rack Sub Total	£790.72 exc.
Amplification & Tuners Etc. Sub Total	£2401.64 exc.
EMI Unit Speakers & Volume Controls Etc.	£253.45 exc.
Ward 10 Bedhead Sub Total	£192.00 exc.
Cable Sub Total	£740.00 exc.
Total	£4377.81 exc.
Vat	£766.12 vat
Total	£4377.81 exc.

(Excluding Man-hours) Overall Estimated Project Cost inc. Vat £5143.93 inc. Vat

Miscellaneous Sub Total £800.00

Monies to be set aside £6000 for project

Compiled by P Davidson-Smith
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