

NAZARETH COMPASSION MINISTRIES

Mobile-Based Medical Emergency Ambulance



Submitted To

ONGC OIL & NATURAL GAS CORPORATION

Submitted By
**NAZARETH COMPASSION
MINISTRIES**

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What is Mobile Health Care Project ?

Mobile Health Care is a general term for the use of mobile phones and other wireless technology in medical care.

The most common application of Health is the use of mobile devices to educate consumers about preventive healthcare services.

Why Mobile Health Care Project?

Promote health, prevent disease and treat illness in the hinterland through mobile health Centre equipped with state -of -the- art facilities in the Urban area and rural area

TELANGANA observations also revealed certain facts :

GENERAL

- * Reduction in water availability & Irrigation facilities are poor
- * Drinking water is a major problem in most places.
- * Some of the villages are in mining areas
- * Shortage of Fire wood.
- * Poor public transport
- * Poor access to the villages located on the hill.

HEALTH RELATED

- * The two-way minimum fare to a nearest health facility is Rs. 20 - 50.
- * Use of paan, gutka, smoking and alcohol
- * Under nutrition amongst children
- * TB & Renal cases go undetected due to Taboos,
benar among villagers.



Project Objective :

- The primary objective of mobile healthcare projects is to improve access to healthcare services, especially for individuals in remote or underserved areas. Mobile technology can bridge the gap by providing virtual consultations, health information, and remote monitoring capabilities.
- To create awareness amongst the community and bring about a change about the various aspects of health and hygiene through Behaviour Change Communication (BCC).
- To screen the children and adults for illness, and provide early diagnosis and timely treatment
- Mobile health projects aim to streamline healthcare delivery processes and make them more efficient. By leveraging mobile apps and telemedicine, healthcare providers can reduce waiting times, optimize resource allocation, and improve the overall patient experience.

AN OVERVIEW: MOBILE HEALTH CARE PROJECT

These projects leverage the widespread availability of mobile phones and their capabilities to address various healthcare challenges and provide healthcare information, services, and support to individuals and communities.

Mobile health projects often incorporate wearable devices that collect and transmit health data, such as heart rate, blood pressure, or glucose levels, to a mobile app or healthcare provider. This real-time monitoring helps individuals and healthcare professionals track health conditions, detect abnormalities, and provide timely interventions.

PROJECT AREA:- BLOCK- DISTRICT- TELANGANA



VILLAGE GENERAL CHECK UP CAMPS IN TELANGANA

The general health camps for the community were conducted by NAZARETH COMPASSION MINISTRIES team in each village under the 3 Panchayats, with an aim of screening the community in the area for various ailments sensitizing them to health care measures and dispensing basic medical treatment for the various ailments.

The following activities are routinely followed during the general health camps:-

- ❖ Monthly schedule calendar is planned, informed & displayed at each panchayat.
- ❖ Information to panch members of wards by NAZARETH COMPASSION MINISTRIES team
- ❖ Registration of the patient (filling up Name, Age, Sex, Village/Vaddo)
- ❖ Measurement of vital health parameters like height, weight, pulse, blood pressure of the patients.
- ❖ Entering data on case paper
- ❖ Check up by Project Medical Officer
- ❖ Dispensing medicines free of cost as prescribed by the Project Medical Officer. During dispensing of medication, the details on how to take the medicines, precautions & side effects if any are explained to the patient by Project Nurse.
- ❖ Referral letter if case referred to PHC or Govt. Hospital & social worker to accompany the patient.
- ❖ Keeping record of referred patients for proper follow ups & ensuring treatment progress.
- ❖ Counseling held with patients during general checkups & educating them on various health awareness aspects by Social worker.
- ❖ Also one to one interaction with patients during general checkups & educating them on Tobacco & its ill-effects, Diet & Nutrition, Dental hygiene, open defecation & its consequences, Hypertension, Hygiene & sanitation, Diabetes etc.



Project Medical Officer Examining Patient



Blood Pressure Monitoring



Women Participate Camp



Basic first - aid for injuries



Health Awareness Session

SPECIAL CAMPS IN TELANGANA

Besides organizing the general health camps for villages of TELANGANA dental, eye and diabetes screening camps.

DENTAL CAMPS (COMMUNITY)

Activities carried out during the Dental Camps:

- ✓ Registration
- ✓ Screening for the various dental problems like decayed teeth, calculus, broken teeth, missing teeth, orthodontic problems etc.
- ✓ Cases which required cleaning, filling, restoration, flossing, extraction etc. require were guided to Dental treatment van available at the camp site.
- ✓ Besides dental checkup, the villagers are also counseled on how to maintain good dental hygiene. Considering the fact that there were a large number of tobacco users who had severe dental problems.
- ✓ during awareness sessions an audio-visual programme on How to Brush & Dental Hygiene were shown.





Eye checkup camps snippet

DIABETES SCREENING CAMPS

Diabetes Screening Camps were conducted by TELANGANA staff, Project staff nurse. Blood Glucose levels were measured using a Glucometer under the supervision of the Project Medical officer, who would then diagnose whether the patient is suffering from diabetes by analyzing the blood sugar values. Those patients detected to have high blood sugar levels were referred Physicians in Tertiary Government Hospitals.



HEALTH AWARENESS SESSIONS FOR COMMUNITY

To create awareness amongst the community and bring about a change about the various aspects of health and hygiene & to screen the children and adults for illness, and provide early diagnosis and timely treatment. In these regards health awareness sessions were conducted in various villages & schools on different topics.

Health education is an essential tool of community health. A great deal of ill-health in these rural parts of Goa is due to ignorance of simple rules of hygiene. Good health is a pre-condition for good education.

Topics covered were Nutrition, General Hygiene, Malaria-Dengue, Oral Hygiene, say No to Tobacco etc. in schools. For the community topics like Nutrition, General Hygiene, Oral Hygiene, harmful effects of Tobacco, Gynecological problems, Diabetes, Hypertension, Eye care etc. were covered.



MOBILE HEALTH CARE PROJECT SNIPPETS

In this system, we used the technologies of mobile and cloud computing to provide a cost-effective means of communication between healthcare service providers and the patients in Mafikeng's rural areas. The system uses mobile (android) application coupled with GPS service to allow patients that need emergency services to request for ambulance and even book for hospital consultations. When used, the system has the capability to inform patients of predicted ambulance arrival time, reduce schedule preparation time, and improve communication between ambulance transport providers and the patients. This system is also intended to enhance ambulance transport operator and patient security by allowing quick location of the emergency scene and faster response. It also allows the patient to communicate with the healthcare providers or paramedics on their way to the rescue location. Moreover, the system has the benefits of reducing the long queues and waiting hours in hospitals which are based on appointments.



System Operations

The system operates by having three important actors as users – the patients, the administrator and the paramedics. With the application installed on the patients' phone, he or she can interact with the system to either book for consultation or request for ambulance service. For the ambulance request, information such as name, the physical address and the nature of the emergency is given.

BUDGET

Non-Recurring Expenditure:

Sl No	Item Description	Estimated Cost (In Rs.)
1.	Machinery & Equipment	24,35,400.00
2.	Furniture, Fixtures & Air-conditioning	9,40,000.00
3.	Purchase of Ambulance	18,85,000.00
4.	Equipment/toolkit for health workers	9,58,500.00
5.	Total Cost of Project	6,218,900.00

Recurring Expenditure:

S.N.	Particulars	Monthly Salary	Annually Salary
1)	MBBS Medical Officer	50,000×12	6,00,000.00
2)	Community Health Coordinator	15,000×12	1,80,000.00
3)	Nurse	5×14000×12	8,40,000.00
4)	X Ray Technician	12000×12	1,44,000.00
5)	Pathology Technician	11,500×12	1,38,000.00
6)	Pharmacist	3×11,000×12	3,96,000.00
7)	Health ANC Camp	5×3500×12	2,10,000.00
8)	Office Stationary	4500×12	54,000.00
9)	Travel Cost	6000×12	72,000
10)	Reporting and documentation	3000×12	36,000
	Total Amount		29,10,000.00
	Total Amount = 6,218,900+29,10,000		9,128,900.00

TOTAL AMOUNT = (9,128,900.00) Ninety One Lakh Twenty Eight Thousand Nine Hundred Rupees.

THANK YOU

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