

Task Force on Health and Family Welfare

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1. Dr. H. Sudarshan Chairman Ref. No. TFHFW/5/2000.

Dateth Jan 2000

- 2. Sri. P. Padmanabha Member
- Dr. Chandrashekar Shetty Member
- 4. Dr. Suresh B. Kulkarni President, IMA (K), Member
- Dr. Jacob John Member
- 6. Dr. C. M. Francis Member
- 7. Dr. S. Nagalotimutt
 Member
- 8. Dr. Latha Jagannathan Member
- Dr. Jayaprakash Narayan Member
- 10. Sri Swami Japananda Member
- 11. Dr. M. Maiya Member
- **12. Dr. S. Subramanya** Member Convenor

PRESS RELEASE

The State of Karnataka has endeavoured to develop itself into a welfare state. The bold initiatives taken during under the princely state of Mysore has been a precursor for many national level endeavours: The Urban Family Welfare Centres, the five-year plans, the primary health units, water and sanitation, Electrification, Local self governments. The state has experimented with and has mplemented the Panchayathi Raj system for promoting decentralised governance.

The Government of Karnataka has constituted the Taskforce on Health and Family Welfare (vide Government order Health and Family Welfare 545 CGM 99, Bangalore dated 14-12-99). The terms of reference are broad. These include the following:

- a) Suggestions for delineating policy measure for improving the Public Health Care system in the state. There is a need to strengthen the Primary Health Care Dellivery system, making it more accessible to the poor and the poorest of the poor. We need to think, develop and implement services and systems that respond to the needs and aspirations of the larger sections of the society.
- b) Suggestions for improvement in the management and administration of the Department of Health and Family Welfare.
- c) Recommend changes in the Health and Medical Education system so that it fulfils the requirements of the people at the grass rot level and simultaneously keeping up with the ever expanding vista of science and Technology, so that it could sincerely contribute to the Human Resources Development

In achieving its endeavour the task force intends to document the current health status of the people of Karnataka, review the situation with experts and different stakeholders and derive



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suitable, appropriate, pragmatic and meaningful recommendations so as to improve the quality of life of the people of Karnataka not just in the short term, but also in the long run. The terms of reference give the Task Force the mandate to monitor the implementation of its recommendations. The Task Force also plans to produce a draft health policy for the state in consonance with the National Health Policy and the new revised draft National Health

Policy.

The members of the Taskforce have initiated the process of consultations. In this context we would like to request concerned individuals / organisations / institutions / Citizen groups / Professional bodies and all the people of the state to contribute towards the recommendations of the Task Force. The opinions / suggestions / comments / notes / thoughts or any related matter may be kindly be sent to the following address:

Dr. H Sudarshan,

Chairman, Task Force on Health and Family Welfare,

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We would appreciate if the responses are sent by 30th January 2000.

- Sd-

(Dr. Sudarshan) Chairman - Taskforce on Health

Subramanya) Member - Convenor



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Date 6: JAN 2000

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ಪತ್ರಿಕಾ ಪ್ರಕಟಣೆ

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಪ್ರಗತಿ ಪಥದಲ್ಲಿ ಕಲ್ಯಾಣ ರಾಜ್ಯವಾಗಿ ರೂಪುಗೊಳ್ಳಿತ್ತಿದೆ ಎಂಬುದು ತಿಳಿದ ವಿಷಯವೇ ಸರಿ. ಆಗಿನ ಮೈಸೂರು ಸಂಸ್ಥಾನಿಕ ರಾಜರ ಆಡಳಿತ ಕಾಲದಲ್ಲಿ ಕೈಗೊಂಡ ದಿಟ್ಟ ಕಾರ್ಯಕ್ರಮಗಳು ಇಂದು ರಾಷ್ಟ್ರಮಟ್ಟದ ಅನೇಕ ದೋರಣೆಗಳಾಗಿವೆ ನಗರ ಕುಟುಂಬ ಕಲ್ಯಾಣ ಕೇಂದ್ರ ಪಂಚವಾರ್ಷಿಕ ಯೋಜನೆ ಪ್ರಾಥಮಿಕ ಅರೋಗ್ಯ ಕೇಂದ್ರ ನೀರು ಸರಬರಾಜು ಮತ್ತು ಸ್ವಚ್ಚತಾ ವ್ಯವಸ್ಥೆ, ವಿದ್ಯುತೀಕರಣ ಸ್ಥಳೀಯ ಸ್ವಯಂಆಡಳಿತ ಸಂಸ್ಥೆಗಳು ಇತ್ಯಾದಿ. ಆಡಳಿತ ವಿಕೇಂದ್ರೀಕರಣವನ್ನು ಬಲಪಡಿಸಲು ಪಂಚಾಯಿತಿ ರಾಜ್ಯ ವ್ಯವಸ್ಥೆವನ್ನು ರಾಜ್ಯವು ಪ್ರಯೋಗಿಸಿ ಅನುಷ್ಠಾನಗೊಳಿಸಿದೆ.

ಕರ್ನಾಟಕ ರಾಜ್ಯ ಸರ್ಕಾರವು ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆಃ ಆಕುಕ 545 ಸಿಜಿಎಂ 99 ದಿನಾಂಕಃ 14.12.99 ರಲ್ಲಿ ಆರೋಗ್ಯ ಮತ್ತು ಕುಟುಂಬ ಕಲ್ಯಾಣ ಇಲಾಖೆಯ ಕಾರ್ಯವೈಖರಿಯನ್ನು ಪರಿಶೀಲಿಸಿ ಸೂಚನೆಗಳನ್ನು ನೀಡಲು " ಕಾರ್ಯತಂತ್ರ ದಳ " ವನ್ನು ರಚಿಸಿದೆ. ಉಲ್ಲೇಖಿತ ನಿಬಂದನೆಗಳು ವಿಶಾಲವಾಗಿದ್ದು ಈ ಕೆಳಗಿನವುಗಳನ್ನು ಒಳಗೊಂಡಿವೆ.

ಅ) ರಾಜ್ಯದಲ್ಲಿ ಸಾರ್ವಜನಿಕ ಆರೋಗ್ಯ ವ್ಯವಸ್ಥೆಯನ್ನು ಬಲಪಡಿಸಲು ದೋರಣೆಯನ್ನು ನಿರೂಪಿಸಿ ಸೂಚನೆಗಳನ್ನು ನೀಡುವುದು - ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಸೇವೆಯು ಬಡವರಿಗೆ ಹಾಗೂ ಕಡುಬಡವರಿಗೆ ಅನುಕೂಲವಾಗುವಂತೆ ಬಲಪಡಿಸುವ ಅವಶ್ಯಕತೆ ಇದೆ. ಸಮಾಜದ ಎಲ್ಲಾ ಜನಾಂಗಗಳ ಅವಶ್ಯಕತೆ ಹಾಗೂ ಆಕಾಂಕ್ಷೆಗಳಿಗೆ ಸ್ಪಂದಿಸುವಂತಹ ಸೇವೆಗಳನ್ನು ಚಿಂತಿಸಿ ಅಭಿವೃದ್ಧಿಪಡಿಸಿ , ಅನುಷ್ಠಾನಗೊಳಿಸ ಬೇಕಾಗಿದೆ.

- ಬ) ಆರೋಗ್ಯ ಮತ್ತು ಕುಟುಂಬ ಕಲ್ಯಾಣ ಇಲಾಖೆಯ ಮೇಲ್ವಿಚಾರಣೆ ಹಾಗೂ ಆಡಳಿತವನ್ನು ಬಲಪಡಿಸಲು ಸೂಚನೆಗಳನ್ನು ನೀಡುವುದು.
- ಕ) ತೃಣಮೂಲ ಮಟ್ಟದಲ್ಲಿ ಸಾರ್ವಜನಿಕರ ಅವಶ್ಯಕತೆಗಳನ್ನು ಪೂರೈಸುವಂತೆ ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನದಲ್ಲಿ ಆಗುತ್ತಿರುವ ಸಂಶೋದನೆ ಹಾಗೂ ಬದಲಾವಣೆಗಳನ್ನು ಅಳವಡಿಸಿ ಮಾನವ ಸಂಪನ್ಮೂಲಗಳನ್ನು ಅಭಿವೃದ್ಧಿಪಡಿಸಲು ಆರೋಗ್ಯ ಮತ್ತು ವೈದ್ಯಕೀಯ ಶಿಕ್ಷಣ ವ್ಯವಸ್ಥೆಯಲ್ಲಿ ಬದಲಾವಣೆಗಳನ್ನು ತರಲು ಸೂಚನೆಗಳನ್ನು ನೀಡುವುದು.

ತನ್ನ ಈ ಗುರಿಗಳನ್ನು ಸಾಧಿಸಲು "ಕಾರ್ಯತಂತ್ರ ದಳವು " ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಸಾರ್ವಜನಿಕ ಆರೋಗ್ಯದ ವಾಸ್ತವ ವಿವರಗಳನ್ನು ದಾಖಲಿಸಲು ಉದ್ದೇಶಿಸಿದೆ. ಪ್ರಪ್ರಥಮವಾಗಿ ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಜನ ಸಾಮಾನ್ಯರ ಜೀವನಮಟ್ಟವು ದೀರ್ಘಕಾಲಿಕವಾಗಿ ಉತ್ತಮ ಹಾಗೂ ಉನ್ನತ ಸ್ಥಿತಿಯಲ್ಲಿರಲು ಇತ್ತೀಚಿನ ಸ್ಥಿತಿಗತಿಯನ್ನು ವಿಶೇಷಜ್ಞರೊಡನೆ ಚರ್ಚಸಿ, ವಿಮರ್ಶಿಸಿ, ಯೋಗ್ಯ ಹಾಗೂ ಸೂಕ್ತವಾದ ಶಿಫಾರಸುಗಳನ್ನು ರೂಪಿಸಲು ಉದ್ದೇಶಿಸಿದೆ. ಸಲಹೆ-ಸೂಚನೆಗಳ ಅನುಷ್ಠಾನದ ಪ್ರಕ್ರಿಯೆಯನ್ನೂ ಸಹ "ಕಾರ್ಯತಂತ್ರ ದಳ" ವಿಮರ್ಶಿಸಲ್ಲಿದೆ. ರಾಷ್ಟ್ರೀಯ ಆರೋಗ್ಯ ಧೋರಣೆಗೆ ಅನುಗುಣವಾಗಿ ರಾಜ್ಯದ ಕರಡು ಆರೋಗ್ಯ ಧೋರಣೆಯನ್ನು ರೂಪಿಸಲು ಉದ್ದೇಶಿಸಿದೆ.

ಕಾರ್ಯತಂತ್ರ ದಳದ ಸದಸ್ಯರು ಈಗಾಗಲೇ ಸಮಾಲೋಚನೆಗಳನ್ನು ಪ್ರಾರಂಭಿಸಿದ್ದಾರೆ. ಈ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ಸಾರ್ವಜನಿಕ ಆರೋಗ್ಯ ಬಗ್ಗೆ ಕಾಳಜಿಯುಳ್ಳ ವ್ಯಕ್ತಿಗಳು , ಸಂಸ್ಥೆಗಳು , ಸಾರ್ವಜನಿಕ ಸಂಘಟನೆಗಳು , ವೃತ್ತಿಪರ ಸಂಘಟನೆಗಳು ಕಾರ್ಯತಂತ್ರ ದಳದ ಶಿಫಾರಸ್ಸುಗಳನ್ನು ರೂಪಿಸಲು ಸಹಕರಿಸಬೇಕೆಂದು ಕೋರಲಾಗಿದೆ. ತಮ್ಮ ಅಮೂಲ್ಯವಾದ ಅಭಿಪ್ರಾಯವನ್ನು , ಸೂಚನೆಗಳನ್ನು , ಟೀಕೆ-ಟಿಪ್ಪಣಗಳನ್ನು , ಚಿಂತನೆಗಳನ್ನು ಹಾಗೂ ಯಾವುದೇ ಸಂಬಂಧಪಟ್ಟ ಮಾಹಿತಿಗಳನ್ನು ಈ ಕಳೆಕಂಡ ವಿಳಾಸಕ್ಕೆ ಕಳುಹಿಸಬೇಕೆಂದು ಕೋರಲಾಗಿದೆ.

ಡಾ: ಹೆಚ್ ಸುದರ್ಶನ್, ಆಧ್ಯಕ್ಷರು, ಕಾರ್ಯತಂತ್ರ ದಳ, ಆರೋಗ್ಯ ಮತ್ತು ಕುಟುಂಬ ಕಲ್ಯಾಣ, ನೆಲ ಮಹಡಿ, ಸಾರ್ವಜನಿಕ ಆರೋಗ್ಯ ಸಂಸ್ಥೆ ಉಪಸಂಕೀರ್ಣ, ಶೇಷಾದ್ರಿ ರಸ್ತೆ, ಬೆಂಗಳೂರು - 560 001.

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ಸಲಹೆ - ಸೂಚನೆಗಳನ್ನು 30 ಜನವರಿ 2000ರ ಒಳಗಾಗಿ ಕಳುಹಿಸಿ ಕೊಡಬೇಕೆಂದು ಕೋರಲಾಗಿದೆ.

ಡಾಃ ಎಸ್ ಸುಬ್ರಹ್ಮಣ್ಯ, ಸದಸ್ಯ ಕಾರ್ಯದರ್ಶಿ, ಕಾರ್ಯಕಂತ್ರ ದಳ.

ಸಹಿ/-ಡಾಃ ಹೆಚ್ ಸುದರ್ಶನ್ ಅಧ್ಯಕ್ಷರು , ಕಾರ್ಯತಂತ್ರ ದಳ. ಆರೋಗ್ಯ ಮತ್ತು ಕುಟುಂಬ ಕಲ್ಯಾಣ ,

Recommendations of Task Force Committee

Department of Medical Education Govt. of Karnataka

Bv

Dr. S. Chandrashekar Shetty
Chairman

MIRODUCTION:-

Medical Education department of Government of Karnataka is running Thir Medical Colleges and one Dental College, one thirsing College and one Pharmacy College for imparting undergraduate and postgraduate tarching and finiting tosonich brogrammas and savisa delivery. Over the years many conlected water start at the private sector lesting it regulation of teaching increase and challers of classical attacking the children Married Conecl of India, Dental Coursel of Judia, Judian Hursing Council ablances comed of mais are tivere their translation of button of the contract of modical advention and safe mentiling interest of students. The Government of Karr data and Government of two a are constantly bying to maintain and anhance the mailly of medical sourceon, as also Pally Gardhi University of Health Science and ad other universities of the scale. Hispita of this sometimes the tiligh court of Karnataka and Supreme Court of India have in thereper regarding admissions and for structures the transcitudiosms of various councils and local inspection committees of the Universities have nointed out certain deficiencies regarding intrastructure, manpower, equipments and other facilities, leading to grastic cuts in intake of students to undergraduate and postgrathrate courses. On certain occasions Thora ware threate of deconquition of H is gause and not conscipling P (decrees. In view of this the Medical Education appartment of Government of * senalated thought it the constitute a consolities of experts in the more of June 1993 to perform the Situation Araivsis and Reeds Assessment of following institutions and allacted pospilate ecommendations.

4DENTIFIED INSTITUTIONS

Baligatore Medical Culture, Sangatore and attached hospitals

- Mysore Medical College, Mysore and attached hospitals
- Karmulaka institute of Medical Sciences Inblicard allaction bosellais.
- Vijayanagara Instituto of Modigat Reference Ballary and altached boshilate
- Government Pointal College, dancators
- 5. Government Norsing College, Sangare a
- Government Pharmacy College Bassisco

METHODOLOGY ADOPTED

The committee has made a great effort in visiting almost all the departments of the medical teaching institutions. Attached hospitals, and students hostels, continuously over a period of 2-weeks from 23rd June 98.

Situation analysis and needs assessment of all the departments in particular and institutions in general. The Committee field intensive interaction with all the administrators, Heads of Departments. Students and other officials.

Strengths and Weaknesses of the institutions were assessed in relation to regulations of the controlling bodies such as $M(\mathcal{O}, F)$, $D(\mathcal{O}, F)$ and in relation to service delivery.

The Committee has looked into administrative structure, and pay & allowances of the Teaching faculty. Recommendations are made regarding infrastructure. Manpower and Management Development program, administrative structure, pay scales and monitoring evaluation systems, to enhance the quality of teaching, training and service delivery to keep pace with the rapid progress made in the field of Medical Science the world over.

EXECUTIVE SUMMARY

STRENGTHS AND WEAHAESSES OF TEACHING INSTITUTIONS AND ATTACHED SOSPITALS;

1. STRENGTHS:

- 1. All Institutions are 25 to 75 years of standing and supported by Government budget for long term sustainability.
- 2. Institutions have been running undergraduate and postgraduate courses for a considerable length of time with good track record.
- 3. Consists of very senior and experienced teachers, and clinicians.
- 4. Availability of clinical material in abundance and better opportunities for hands on training.
- 5. The cream of student community with higher common entrance test rankings join government institutions.
- 6. Availability of reasonably good buildings and other infrastructures.
- 7. Decentralisation of administrative powers and adequate financial power in case of autonomous institutions. [KIMS, HUBLI: MMS, BELLARY].
- 8. Work turned out by the staff is really in excess of the infrastructure facilities provided with.
- Availability of full time teachers imparting regular roing and training programmes.

II. WEAKNESSES

- f. Inherent problems of working in a Government system in relation to the availability of man power, equipments, supplies and budgetary allocations
- 2. Quality of teaching and training and research programs are not satisfactory due to lack of equipments and inadequate manpower.
- Lack of motivation and commitment on the part of teachers and clinicians due to various reasons like inadequate working conditions and poor pay scales.
- 4. Quality of service delivery is not satisfactory due to factors like inadequate budgetary allocations and difficulty in utilising budgeted money due to procedural delay and inadequate financial powers.
- The brightest of the students are learning in a poor infrastructure manpower equipments, library, hospitals and hostel facilities.
- 6. Old buildings of hospitals and hostels are in a very bad shape.

 The rooms, bathrooms, lavatories, sewerage system, water supply and electricity are the biggest problems for the patients and students.
- Substantial and sufficient budgetary allocation is not available for the maintenance and renovation of existing buildings.
- 8. Public works department section is not under the control of Medical education department and hence not directly accountable.
- Inadequate and improper administrative structure to plan, develop implement, monitor and evaluate the functioning at all levels.

- 10. Non-teaching staff are under the control of Director of Health and Family Welfare Services, leading to lack of direct accountability to the Director of Medical Education.
- 11. Large number of specialists are working as O.O.D. lecturers for a long period, leading to frustration and lack of motivation.

The second secon

- 12. Improper placement and development of trained manpower due to various reasons.
- 13. Concentration of Administrative and financial powers with the office of the Director, making the posts of Principals and Superintendents less important and redundant, in autonomous institutions(KIMS & VIMS).
- 14. Chief Administrative Officer and Financial Advisor seem to be above the rank of Principal and Medical Superintendent, leading to administrative difficulties (KIMS & VIMS).
- 15. There is no Vice Principal's post in Bangalore Mechail College and Mysore Medical College leading to heavy administrative load on the Principal.
- 16. The financial powers of the Principals and Medical Superintendents are a meagre Rs. 20,000/- which is absolutely inadequate to purchase, maintain and repair the equipments and the purchase of drugs.
- 17. Absolute absence of manpower & management training (Training of Trainers) and opportunity for attending scientific conferences in India and abroad.
- 18. The Director of Medical Education being the technical and administrative head of the department, has madequate administrative and financial powers leading to procedural delay.

PECOMMENDATIONS:-

The Medical Education department of Government of Karnataka has constituted a committee of Experts in June 1998 to perform the Situation Analysis and needs assessment of four Government Medical Coileges, one Dental Coilege, one Nursing Coilege and one Pharmacy Coilege and to formulate a Developmental Programme to satisfy M.C.L., D.C.L., L.N.C., and P.C.L. guadelines with regard to infrastructure, manpower, equipments, teaching training and research programmes. Services delivery and speciality services. The Committee also analysed the administrative stucture, Pay and empluments of the teaching staff, management information system and monitoring and evaluation component.

- 01. As an essential first step the Committee has done the situation malysis and needs assessment of all the identified institutions in great detail. A great emphasis was given to the availability of infrastructure, menpower and equipments to satisfy various Council's guidelines and service delinery.
- Quality of teaching and training of undergraduate and postgraduate students to be upgraded.
- 03. Quality of patient care and service delivery to be improved.
- Under utilised capacities of infrastructure, manpower and equipments are identified and suggested ramedial measures.
- 95 To strengthen the capacity in the existing departments and to create new departments especially in superspecialities.
- 06. The necessity of Academic, scientific and research programmes, to keep pace with the advances made in the field of the medical science World over is highlighted.
- 07 Manpower and management training programmes are essential to enhance the quality of teaching, training and service delivery. Training programmes to be initiated and implemented.
- Appropriate and adequate pay and amoluments[U.G.C.pay.scales] are needed to the teaching faculty to motivate them to give their best.
- O9. Re-organisation of administrative structures at all levels is necessary with a reasonable Einancial burden on the Government to make the establishment optimally functional, to achieve its short term and long term goals and objectives.
- 10. A strong monitoring and evaluation system has to be developed with a strong backup of management information system. It keeps track of all relevant components of ongoing activities, personnel matters, supplies, equipments money spent in relation to budget allocated, operational research user changes, quality of teaching, training and service delivery. Student's and patient's (consumer) satisfaction, financial viability, and long term sustainability.

DEPARTMENT OF MEDICAL EDUCATION

DIRECTORATE OF MEDICAL EDUCATION PRESENT ADMINISTRATIVE STRUCTURE

DIRECTOR

IDME	JDME .	PRINCIPAL B M C	PRINCIPAL MANC	PRINCIPAL G D C	DIRECTOR-	PROFESSOR
DDME	DDME [0.0.D]	,	PROFE MEDICAL (SSORS COLLEGE
			ASST. PRO LECTU		ASST. PRO	OFESSORS URERS

PROPOSED ADMINISTRATIVE STRUCTURE

DIRECTORATE OF MEDICAL EDUCATION DIRECTOR OF MEDICAL EDUCATION

DIRECTOR /	DIRECTOR /	ADDL DME	DIRECTOR	DIRECTOR /
PRINCIPAL -	PRINCIPAL	(1)	RIO (1)	PRINCIPAL
B.M.C (1)	M.M.C (1)			G.D.C (1)
JDME (1)	JDME (1)	VICE-	MED SUPID.	JDDE
		PRINCIPAL	HOSPITALS	(1)
		BMC(I) MMC(I)	(3)	1.7
DDME (1)	DOME (DIPR	OF, & HOD'S	DDDE (1) PR	OF & HOD'S
	B.M.C.	MINIC	GI	
	PROFE	SSORS	PROFE	SSORS
	ASSISTANTI	'ROFESSORS	ASSISTANTE	
	LECT	JRERS	LECTA	
	REGISTRAR	STIUTORS	REGISTRAR	

NOTE

- One post of JDME to be upgraded as Additional DME
- One post of JDME to be re-designated as JDDE
- There are 12 sanctioned posts of Senior Professors
- Two posts of Senior Professors to be re-designated as JDME
- Two posts of Senior Professors to be re-designated as Vice-Principal (B.M.C 1, M.M.C 1)
- Eight posts of Senior Professors to be re-designated as Med Superintendents.

(B.M.C - 5, M.M.C - 3)

- B.M.C: Victoria Hospital I, B & L.C Hospital I, Vanivilas Hospital Minto Ophthalmic Hospital I, SDS and TB & CD Hospital I
- M.M.C: KR Hospital 1, Cheluvamba Hospital 1, PK Sanitorium 1

The above mentioned posts are equivalent to Joint Director of Medical Education

PLEASE NOTE

- Present Administrative Structure of Directorate of Medical Education was created to administer four Govt. Medical Colleges and attached hospitals and one Govt. Dental College
- At present in Karnataka State there are about 21 Medical Colleges and attached Hospitals, about 41 Dental Colleges, 7 Autonomous Institutions, one Nursing College, one Pharmacy College and a number of Private Nursing and Pharmacy Colleges
- There is an increase in work-load in terms of UG and PG Admissions
- There is an increase in work-load in terms of activities of Para Medical Board and constitution of Inspection Committees and conducting regular inspections for starting new medical and para medical institutions and upholding minimum standards of Medical and Para Medical Education as prescribed by MCI, DCI, INC, PCI etc.,

The above mentioned facts amply justify restructuring of administrative set up at various levels, especially Directorate of Medical Education.

The Committee appreciates the creation of a separate post of Secretary to Govt. for Medical Education. The Committee sincerely feels that the Secretary, Medical Education should be supported by a medically qualified Additional Secretary (Technical) and a Deputy Secretary (Technical) to assist on technical matters. The Committee observes that the post of medically qualified Additional Secretary was existent on earlier occassions.

The details of the posts to be appraded, created, financial implications and administrative responsibilities have to be worked out separately.

The present System of Appointing any one of the Professors as Medical Superintendent, has the following flows

in distribution and a definite of the end of

- The Appointee is not necessarily the senior most professor in the respective hospital leading to dissentment among the seniors leading to litigations. Also
- The Superintendent being one of the professors (not a promotional post) cannot offer effective administration, as being one amongst equals
- There are possibilities of frequent change of Medical Superintendents due to various reasons
- Medical Superintendent's post is devoid of promotional benefits

The cadre of Professor and HOD to be created in Medical and Dental Colleges will be equivalent to Deputy Director.

The above mentioned cadre is necessary for effective administration of the departments at college and hospital levels and to remove stagnation at the level of professors.

Such a cadie was existent prior to 1976 and was functioning effectively.

Present practice of designating MBBS / BDS qualified doctors as Lecturers is not according to MCI/DCF Regulations. Hence, dectors with PG qualifications to be appointed as Lecturers in future.

Doctors with MBBS / BDS Degree to be appointed as Registrar / Tutor in future.

Doctors with MBBS / BDS qualification working as Lecturers to be re-designated as Registrar / Totor. Their pay has to be prefected.

The Committee Recommends Creation of a Separate Directorate of Dental Education for the Following Reasons

and the state of the same

- There are 41 Dental Colleges as against one Govt. Dental College earlier
- To become a Qualified Medical Teacher, one has to study Eight and a Half years
- . To become a Qualified Dental teacher, one has to study for Seven years
- . There are no Super-speciality Degrees like DM / NICH in Dental Department
- A Medical Teacher has to put in Five years of teaching as Asst. Professor to become a Professor
- A Dental Teacher has to put in Three years of teaching as Asst. Professor to become a Professor
- The Karnataka Civil Services and Recruitment Rules are different for Medical and Dental Departments
- Director of Medical Education (Medical Person) cannot become a Member of Dental Council of India, and Dental person cannot become Member of Medical Council of India
- Enhanced work-load over the years for the Directorate of Medical Education needs bifurcation into Directorate of Medical Education and Dental Education, which is in youge in states like Kerala and Tamilnadu

The committee recommends separation and creation of both teaching, non-teaching (technical) and all other categories of supporting staff for the separated Directorate.

DEPARTMENT OF MEDICAL EDUCATION

PROPOSED DIRECTORATE OF DENTAL EDUCATION

DIRECTOR

- DIRECTOR / PRINCIPAL (GDG)

JDDE VICE-PRINCIPAL (GDC)

DDDE & PROFESSOR & HOD'S (GDC)

PROFESSORS
ASSISTANT PROFESSORS
LECTURERS
REGISTRARS/TUTORS

- As there is only one Govt. Dental College, creation of one post of Additional Director (Dental Education) is not suggested by the Committee
- One post of JDDE can be created by re-designating one post of present JDME
- One post of Vice-Principal has to be created for GDC
- One post of DDDE to be created

The Committee is of the opinion that one post of Director of Dental Education and one post of Deputy Director (Dental Education) has to be sanctioned with corresponding Pay and Allowances of Department of Medical Education.

The details of the posts to be created and the firmeial burden on the Govt, has to be worked out separately.

GOVE NOMINATION TO MICE AND DEL

The established practice ever the years has been to nominate a person working in Directorate of Medical Education / Colleges to represent the State Govt. at MCI and DCI. This practice was discontinued during the year 1987 as the then Director of Medical Education was a Dental person being not eligible to be nominated as member of MCI. At present, the Govt. nominees for MCCC and DCI are persons working in private Medical and Dental Colleges. Fience the committee strongly recommends that Govt. nominations for MCI and DCI should be from the following categories to safeguard the interest of State.

NOMINATION TO MCI should be from the following

- Director of Medical Education (MEDICAL)
- a Additional Director
- Director / Principals (Bangalore Medical College, Mysore Medical College)
- Director (RIO, MOH)

NOMINATION TO DCI should be from the fellowing

- Director of Medical Education (DENTAL)
- Director / Principal (GDC)

The term of Office shall be for a period of two years

The person ceases to hold the office on attaining Superannuation or Resignation

RECOMMENDED FINANCIAL POWERS (Buildings, Equipment, Drugs etc.,)

Secretary to Government	Rs. 25 lakhs
Additional Secretary	Rs. 20 lakhs
DME	Rs. 5 lakhs
Addl. DME/Director/Principal	Rs. I lakh
JDME / JDDE / Vice-Principal/Medical	Rs. 50,000/-

Government of Karnataka

TASK FORCE ON HEALTH AND FAMILY WELFARE

SUB COMMITTEES:

January 3, 2000

	TOPICS	MEMBERS	
A.	Health Systems and Services in Rural Areas	Sri. P. Padmanabha.	13
	Health Systems and Services in Urban Areas	Dr. M. Maiya.	
	Emergency Health Care	Dr. C. M. Francis.	
*	Panchayat Raj and Health Care	Swami Japananda.	
В.	Communicable Diseases	Dr. Latha Jagannathan.	
		Dr. Jacob John.	
		Dr. S. Nagalotimath.	
		Swami Japananda.	
C.	Population Stabilisation (RCH)	Sri. P. Padmanabha.	-
	, ,	Dr. Latha Jagannathan.	
		Dr. Suresh. B. Kulkarni.	
D.	Human Resource Development	Dr. Chandrashekar Shetty	18
	Medical Education	Dr. C. M. Francis.	R
	Health Education	Dr. Jacob John.	
		Dr. S. Nagalotimoth.	
E	Health Financing	Sri. P. Padmanabha.	
		Dr. S. Subramanya.	
F.	Indigenous / Alternate Systems of Medicine	Dr. Jayaprakash Narayan.	
		Dr. Chandrashekar Shetty.	
G.	Non Communicable cable Dieseases, Dental Health,	Dr. S. Nagalotimoth. 🗸	
	Mental Health and Epilepsy	Dr. C. M. Francis.	
H.	Nutrition	Dr. C. M. Francis.	
		Dr. P. Padmanabha.	_
I	Health of Special Groups	Dr. Jacob John.	
		Dr. Latha Jagannathan.	
J.	Voluntary Sector in Health Care	Swamy Japananda.	
		.Dr. Chandrashekar Shetty.	
		Dr. M. Maiya.	
K.	Private / Corporate Sector in Health Care	Dr. Suresh. B. Kulkarni.	
		Dr. M. Maiya. 🎺	
		Dr. Latha Jagannathan.	
L.	Law and Ethics	Dr. C. M. Francis.	+
		Dr. Latha Jagannathan.	
M.	Health Policy	Dr. C. M. Francis.	7
	Inter Sectoral Co-ordination	CHC	
	External aided Projects		
N.	Health Management Information Systems.	Sri. P. Padmanabha.	
		Dr. Latha Jagannathan.	

2-2.30 pm - 11/1/2000 public healt perspectual for subgrp. (Dr. H. Sudarshan) Chairman 134 10.30

2000s

TASK FORCE OF HEALTH AND FAMILY WELFARE SERVICES REGARDING GOVERNMENT MEDICAL STORES

The Government Medical Stores purchases and distributes drugs and chemicals to all the Government Allopathic Health Institutions in the State including those coming under the administrative control of Zilla Panchayaths and Institutions attached to Medical Colleges.

The Government Medical Stores distributes drugs to the tune of 3.25 Crores per annum. This covers only 40% of the total budget allotted to them. The remaining 60% of the budget will directly utilized by them for purchase of drugs and chemicals.

The drugs and chemicals will be purchased by Government Medical Stores by way of rate controt every year after vide publicity about the tender in all leading news papers of the Country.

Teaching hospitals and the Health Institutions under Zilla Panchayth will follow the Government Medical Stores Rate Contract for procuring the drugs aut of their 60% budget. The rate contract for supply of drugs and chemicals are done on the recommendations of the Theraupetic Committee consisting of experts in each specialisation of medicines and the High Power Committee at Government level.

The Government Medical Stores will supply 100% of their for Health Institutions meluding Primary Health units, Sebendons, Dental units et budget for the Health Institutions will come with their indent (requirement) to Government Medical Stores with their 1992 - 700 dupe in Rate Contract List , after high powered as months

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During 1996-97 the Government Medical Stores could not make any purchase of drugs as there was no rate contract existing during the above period.

Karnataka made compulsory good manufacturing practice certificate according to W.H.O. specifications, and for the first time, the Government Medical Stores insisted on strips/blister packing instead of bulk/loose packing of 500 tablets/Caps., with logogram printed in Kannada on each strip/blister, stoppers of bottles, and Amples., and vials etc. It was even brought into force printing of two letters - e. e. meaning Health Department on Tabs./Caps., this has prvented to a large extent priliperage. This type of packing has impressed greatly the patients that even Government supply of medicines will be of good quality. The drugs are given to patients in hospitals of free of costs.

DIFFICULTIES ENCOUNTERED IN IMPLEMENTING DRUGS SUPPLY SYSTEM IN KARNATAKA

- (1) The whole Government Medical Stores should be computerised completely. There are maining four different stores in Government Medical Stores. There is only one Computer Operator. For speedy and efficient management of drug supply four computers with well trained operators are required.
- (2) Arrangements are being made to procure a FAX machine to Government Medical Stores.
- (3) The doctors from peripheral hospitals feel great difficulty in lifting the drugs from the Government Medical Stores to far off places. Hence 3 to 4 truks with drivers are required

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- (2) Arrangements are being made to procure a FAX machine to Government Medical Stores.
- (3) The doctors from peripheral hospitals feel great difficulty in lifting the drugs from the Government Medical Stores to far off places. Hence 3 to 4 truks with drivers are required

(11) The latest terms as per the rate contract are to supply to the F.O.R. destinations, instead of Govt. Medical Stores. All the suppliers are required to supply to the Dist. Surgeons/Dist. Health & F.W. Officers of all districts directly.

There is necessity of modernising the Government Medical Stores in view of the above requirements.

JOINT DIRECTOR, GOVERNMENT MEDICAL STORES,

BANGALORE - 560 079.

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Karnataka Health Systems Development Project (KHSDP) Status as on October 31, 1999

Basic Data:

Title	Second State Health Systems Development Project (K) under IDA (WB)	
Credit No.	Cr. 2833-IN	
Date of effectiveness	06-27-1996	
Date of closing (original)	03-31-2002	
Loan Amount	Rs. 54,58.01 Million for Karnataka Component	
Project Objectives	1. Improve efficiency in the allocation and care of health resour through policy and institutional development	rces
ii.	2. Improve programme of the health care system thro improvements in the quality, effectiveness and course of he services at the first referral card and selective course at the pov level to better serve the neediest section of the society.	

The Second health systems Development Project is being implemented in three states namely Karnataka, Punjab and West Bengal. This project is assisted by International Development Association (The World Bank). The total project cost is to the tune of Rs. 16,691.4 million, of which the share of Karnataka is Rs. 5,458.0 Million spread over a period of 6 years from 1996 to 2002.

The Project components aim at improving service and clinical effectiveness at district, sub-division and community level hospitals under the project. 74 Community hospitals, 104 sub-divisional hospitals and 21 district hospitals are renovated and extended. With the result 3832 new beds will be added to the existing bed strength of 5822 at first referral level. The project aims at providing better access to health care to the Schedule Caste and Schedule Tribe population of the state and also for women.

General overview: The KHSDP became effective on June 27, 1996. The project could not make considerable financial progress during the year 1996-97 as there was not much of preparation. However, during the year 1997-98, as all the preparatory activities were completed and the project has been making a steady progress. The project activities have been reviewed by the World Bank Supervision Missions during March 1997, November 1997, May 1998, November 1998 and June 1999.

Civil works: As per the original programme, renovation and expansion of 201 KHSDP
Hospitals should have been taken up in four phases during the years 1997-2000. In
order to avoid cost escalation on civil works, a decision was taken by Project
Governing Board with the approval of the World Bank to initiate civil works in all the

hospitals simultaneously. On account of this decision, it is expected that the civil works for all the 200 KHSDP hospitals (excluding the hospital at Tibetian Colony in Mundgod) could be assigned by December 1999 after observing all the formalities relating to Bidding process and World Bank procedures.

In order to prepare plans for all the 200 hospital building works, 46 Architects have been empanelled. Preliminary Drawings have been cleared by World Bank Architect for 192 hospital works. 169 hospital works have been awarded after evaluation of bids under NCB. 6 works are taken up under Force Account. Totally, estimates and detailed drawings have been prepared and approved for 186 hospital works. In order to facilitate speedy completion of Work, an Engineering Wing with Chief Engineer, two Superintending Engineers and 6 divisions is already functioning.

- 2. Equipment (Medical & Others): The Procurement Plan for the year 99-2000 has been approved by the World Bank. The Procurement Plan covers various medical and other equipment to be procured for the hospitals included in third and fourth phases. The procurement of some medical equipment like X-rays and Dental Equipment has been postponed to the next year as the installation of these equipment need additional space. As approved by the World Bank, the IFB under ICB is issued on 16-3-1999 for procurement of Ultrasound Scanners with two probes, Portable Ultrasound Scanners, Dental X-ray and Blood Gas Analysers. The bids were opened on 3-5-1999 and the evaluation reports are placed before the Project Governing Board for approval. In respect of 27 packages, the specifications were revised and sent to the World Bank for their No Objection and the No Objection is received.
- 3. Vehicles: As contemplated in the project, during the year 1997-98, under International Competitive Bidding process, 180 TATA Sumo Vehicles were procured and given to Taluk Medical Officers, District Surgeons and District Surveillance Units. Similarly, 21 Equipment Maintenance Vehicles were procured and given to all the District Equipment Maintenance Centres. 116 Ambulances are procured and supplied to the hospitals. For the procurement of 62 additional Jeeps to be given to the Taluk Medical Officers and the District Surgeons of the newly formed Districts, IFB under ICB was issued on 16-3-1999 and the bids were opened on 4-5-1999. With the approval of the Project Governing Board and the World Bank, the Supply Order is given to the bidder for giving 62 Jeeps.
- 4. Medicines: The Procurement Plan for Medicines during the year 1999-2000 was approved by the Review Mission during the Mid-term Review. The drugs are being procured under National Competitive Bidding process. The IFB will be issued towards the end of December 1999 for procurement of drugs during the year 1999-2000 depending on the actual requirement taking into consideration the procurement made by Government Medical Stores. During the year 1998-99, 54 drugs have been procured and supplied to all the project hospitals.
- 5. Local Training: So far 1237 Doctors have been trained in different specialities as part of this programme. Further to develop resource persons, trainers training programme was organised with the support of JIPMER from Pondicherry and so far 40 Master Trainers (Doctors) have been trained. At District Level, 464 Doctors have been given training. The number of Nurses trained under General Nursing so far is 2161. Under

the specialists Nurses Training in the field of Paediatrics, ICCU, Opthalmic Nursing. Neuro Nursing and Psychiatric nursing, so far 482 nurses have been trained at NIMHANS, Indira Gandhi Institute of Child Health and Jayadeva Institute of Cardiology, Bangalore. Similarly 15 Laboratory Technicians have been trained. As part of the Equipment Maintenance, 38 technicians have been trained in two batches at ATI-EPI, Hyderabad. In addition to that a four week training programme was organised for these technicians to give training on equipment which have been procured under the project. The training was imparted by the technical officers of the suppliers who have supplied equipment. Further the specialists in the field or Paediatrics, Orthopaedics, ICCU, Laproscopy and Feotal Monitor, Neurology. Neurosurgery, Psychiatry and Mental Health and Dental have been trained at Indira Gandhi Institute of Child Health, Sanjay Gandhi Hospital, Bangalore and Jayadeva Institute of Cardiology. So far 549 Doctors have been trained in these specialities. The Doctors working in Community Health Centres and Taluk Level Hospitals are being given training in Administrative Procedures. So far 170 Doctors are trained in Administrative Procedures. Similarly an induction training programme is being conducted for newly recruited Doctors to give them basic exposure in various aspects of administration and also to sensitise them to Karnataka Health Systems Development Project activities. So far 272 Doctors have been trained in Induction Training. 28 Chief Pharmacists / Graduate Pharmacists have been trained in Pharmacy Key Trainer's Training, 38 Technicians are trained in Equipment Maintenance and Repairs at Hyderabad and Bangalore.

- 6. M/s. STEM Consultants were assisting the project for the Project Management upto 30th June, 1999 and M/s. V.R. Murali & Co. are assisting the project for Financial Management and accounting system. The contract of M/s. STEM Consultants has come to an end on June 30, 1999. For the appointment of project consultants for two more years, Terms of Reference have been cleared by the World Bank and Notification for Expression of Interest was published on 21-5-1999. The applications are evaluated and the short listed firms was sent to World Bank for their clearance. The World Bank have approved the short list of consultancy firms and the Bid Document. The Bid Document is forwarded to the short listed consultancy firms. The last date for receiving the proposals from the short listed consultants is November 25, 1999. Similarly for the appointment of financial consultants, the Terms of Reference has been approved by the World Bank. A Notification is being published on 8th November, 1999 for Expression of Interest by the consultancy firms for short listing.
- 7. Reimbursement of Claims: Karnataka Government has claimed 111.8 million as retroactive finance admissible as per project and credit agreement, for the period covering 1-5-1995 to 27-6-1996. Expenditure incurred during 1997-98 was Rs. 622 Million against the budget provision of Rs. 700 Million. During the year 1998-99, an amount of Rs. 965.57 Million was spent as against the revised budget provision of Rs.1345.50 Million. The details of component wise provision made as in the S.A.R., the Budgetary allocation as per the State Government and the expenditure incurred during 1999-2000 upto September 1999 is indicated in Annexure II-A. The estimate for the year 1999-2000 is Rs. 1320.00 Million and the quarterwise breakup of this amount is indicated in Annexure II-B. As against this, upto the end of September 30, 1999 (2 quarters), an amount of Rs. 575.54 Million is spent. Upto the end of September 1999, the reimbursement claims have been submitted and CAAA has

admitted the claims upto the end of August, 1999. The details of reimbursement claims are presented in Annexure II-C.

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4. Entered USR Roview Reports - ? agos - ? agos - ? and internal ménitories modanismes.

5. Total external funds since 1994 to Kar.

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KARNATAKA STATE BRANCH

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Dr. S. B. Kulkarni President Akshaya Eye Hospital 3935/51, Club Road,

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Dr. S. Sheela Bhanumathi Vice-President Bangalore Tel: 080 - 5721158 Dr. K. Madusudhana Rao Vice-President Bellary Tel 08392 - 55819, 56645 (R) 72724 (C)

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mm. Past President

Dr. H. R. Maheswarappa, mm. past Hon. Secretary.

Ref : IMA - KSB /

/ 99

Date :

January 8, 2000

The Indian Medical Association views submitted to Task Force of Karnataka State on 10th January 2000 on the subject of development and implementation of health care system in Karnataka.

NGOs(IMA) and Health Care

The complexities of the merging Health Care delivery system, in terms of investment, maintenance and patient expectations has resulted in a situation where in the Government alone can not take up the total Health Care responsibility of its citizens.

Hence the necessity to recognize the presence of Non-Governmental organizations and effectively co-ordinate with them in appropriate areas keeping in mind to health needs of the people and the specialized expertise available with the NGOs for this purpose.

The Government should preferably concentrate itself in matters pertaining to the larger interest of the community such as prevention of communicable diseases, implementation of the various National Health Programme and simultaneously utilize the services of available NGOs for successful implementation and effective coverage.

Providing basic amenities such as safe water supply, public sanitation etc should be the prime concern of the governmental sector.

Accordingly specialized Training requirements to be assessed based on ground realities. While investing on specialized Manpower training the government should be aware of the requirements and ensure effective usage of such trained personnel.





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Date :

Flow Chart of health care facilities at different levels

Sub Centre level

5,000 Population Health Worker

P.H.C

MBBS Graduate

Taluk

District

Speciality Centre with Post

graduate Doctors

Regional Centre

Speciality Centre

State head Quarter

Centre of excellence with

super specialty set up

Health Insurance Scheme

The role of private organizations in evolving a workable health insurance scheme should be explored for the benefit of all sections of the community.

Care of the elderly

With the rise in life expectancy a significant sections of the population belongs to the elderly group, requiring specialized care and efforts must be made to gear up to meet their health requirements not only to term of medical care but also in terms of social and community support to make them feel that then not being neglected.



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Date :

"Family Welfare Programme"

The Non Governmental organizations have always played a pivotal role in popularizing the small family norm and efforts to enhance the fruitful co-operation with other community based NGOs should be explored.

Alternate systems of Medicine

While efforts should be made to popularise the alternate systems of medicine, which are cost effective, caution should be laid to prevent practitioners of such system of medicine organising into the others system, which would amount to quackery.

Accountability and quality care

Accountability at all levels of health care delivery should be an incorporated factor, which would thereby ensure availability of quality health care services.

Provisions should also be made to periodically review, reassess and effect necessary corrective changes at all levels to ensure delivery of quality health care services, be it government or non-government.

Role of Medical colleges"

The curriculum of at the Medical College should be re—oriented to suit the requirements of the community and the concept of holistic medicine, where is the individual is treated as one complete unit rather than treating the disease per se should be incorporated to give medical educational humanistic approach.



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Health education

For effectively combating the health problem of the individual and the community, an effective information, education and communication system involving the non governmental organisations would go a long way in the community accepting the Health programmes and in bringing about the desired life style changes which would form the basis of a health community.

Community participation

In order to inculcate the concept of feeling involved and thereby active participation on in all the health programme the community should be involved at all levels starting from an assessing the health requirement. Planning, executing and manning the system.

The participating NGOs in all health endeavours should be encouraged by the government by way of:-

1. Providing infrastructure such as land, building, men and material where possible

2. Financial assistance in terms of meeting the basic expenses of those involved in actually carrying at the health activity

3.Providing inter departmental co-ordination and assistance for all Health activities.

- 5.2 <u>Consultants:</u> Appointed by Govt. of India are also evaluating the programme and guide in implementation of the programme. Prompt feed back is given to the Director and District Leprosy Officers.
- 6. <u>Patches</u>:- Among newlydetected cases, single patch cases are more. This shows early detection. Wearly, 50% cases are single patch cases.

7. Plan of Action for 1999-2000

- 1. Consolidation of IDT services.
- 2. Intensification of Health Education Activities.
- 3. Training for all the Health Personnel and Public in the IMEP.
- 4. Replacement of wormout vehicles under MEP.
- 5. Establishment of Regional Leprosy Training & Research Institute (RLTRI) from Govt. of India.

1002-9

NATIONAL TUBERCULOSIS CONTROL PROGRADE

National Tuberculosis Control Programme is a Centrally sponsored scheme which is integrated with General Health Services at the peripheral level. This programme is being run by State and Central assistance of 50:50 share.

The State Tuberculosis Centre located in
Bangalore is responsible for Planning, Implementation, Supervision, Monitoring and Evaluation of Euberculosis Programme
in the State. The State Tuberculosis Centre has got the
following 7 wings:

- 1) Epidemiology and Survellance
- 2) Bacteriology
- 3) Research Wing
- 4) Administrative Wing
- 5) Monitoring of Nationa 1 TB Programme in the State
- 6) Training to Medical and Para Medical Personnel &
- Clinical section to cater the needs of TB patients who are referred to State Centre.

All the Mistricts in Karnataka State are provided with District Tuberculosis Centres for implementing National Tuberculosis Control Programme.

Revised National Tuberculosis Control Programme under Phase III with World Bank assistance has been implemented in Bangalore Urban District since November 98. The remaining four Districts will be implemented from next year for which preparatory activities are going on.

The affected villages and towns were taken up for control of fly nuisance and all drinking water sources have been Chlorinated with bleaching powder.

FINANCIAL PROGRESS

Ħ

For the control of Diarrhoeal diseases the State Government have allocated (under State Sector PLAN Scheme) a sum of Rs. 25 lakhs for the purchase of medicine, disinfectant and to supply the same to the affected district through the Government Medical Stores, Bangalore.

(Rs.in lakhs)

YEAR BUDGET ALLOCATED EXPENDITURE

1998-99 25.00 25.00 (upto end of Dec 98)

KYASNUR FOREST DISEASE

This disease is prevalent in the districts of Shimoga, Uttara Kannada, Dakshina Kannada and Chikmagalur,

The disease is prevalent in the Taluk of Thirthahally, Hosanagar and Saraba in Shimoga District, Honnavara, Bhatkal, Kumta, Supa and Yellapura Taluks in Uttara Kannada District, Koppa taluk in Chikmagalur District and Belthangadi Taluk in Dakshinna Kannada District.

In addition, the surveillance activities are carried out by the staff of both field stations and field staff of district Health and FW Officer, for diagnosis, treatment and prevention.

PHYSICAL PROGRESS

The incidence of Kyasanur Forest Disease during 1998 are as follows:

NUMBER OF	SUSPICTED CASES	NUMBER C	CONFIRMED
ATTACKS	DEATHS	ATTACKS	DEATHS
298	1	47	1

FINANCIAL PROGRESS

(Rs. in Lakhs)
YEAR BUDGET EXPENDITURE
1998-99 5.00 1.5 (upto end of Dec. 1998)

1002-12

HAMDIGODU SYNDROME

This is a peculiar disease of genetic origin found in few villages of Shimoga and Chikmagalur Districts and found mostly in Harijan Families. This disease will eases the disability mainly because of its affliction of joints and bones.

The rehabilitation and symptamatic treatment are given these patients.

PHYSICAL PROGRESS

The incidence of Handigodu Syndrome are as follows:

DISTRICT	NO. OF VILLAGES	NO. OF CASES
Shimoga	49	438
Chikmagalur	30	338
TOTAL	79	776

. IV. MUTRITION EDUCATION ACTIVITIES INCLUDING TRAINING;

Five Ritrition Education & demonstration units are functioning in 5 districts of Bangalore Division viz., Bangalore(Rural), Kolar, Chitradurga, Shimoga and Tunkur. Cooking demonstrations, File shows, exhibitions and Group meetings on Nutrition are organised in rural areas.

A joint training programme on MCHN activities was organised for LHVs and Mukhya Sevikas of Bellary District from 24-6-98 to 25.5.98 at Bellary. 41 members attended the training programme. Similar training programmes were organised for LHVs and Mukhya ikas of Bijapur district from 17-11-98 to 19-11-98 and for Salkot District from 18-11-98 to 20-11-98 at Bijapur. 48 members and Bijapur and 35 from Bagalkot attended the training programme.

V. CONTINUOUS MONITORING OF DIET AND NUTRITION SURVEYS BY MAN UNIT;

NMMB unit, a branch of ICMR attached to Bureau of Nutrition is conducting Diet and Nutrition surveys on the protocol of National Institute of Nutrition, Hyderabad. During this year the unit has conducted tribal surveys in Chickmagalur and Dakshina Kannada district.

1

HOSPITAL PHARMACY PROGRAMME

INTRODUCTION

'Hospital Pharmacy' is a programme being implemented by the Government of Karnataka under State sector.

OBJECTIVES:

- 1) To organise a technically sound dispensing section, Quality Control System, Central Sterile Supply Division and Store Practice in the Hospitals.
- 2) To develop a reliable 'Drug Information Service' for the benefit of staff and the patients/their attendants.
- 3) To manufacture life saving intravenous fluids for use in the hospitals.

III. FINANCIAL DETAILS

Budget allotment and expenditure for the year 1998-99

Head of Account: Plan: "2211 Family Welfare - 108 Selected Area Programme - C71 IPP-IX (Karnataka) 102 - Special grants.

Non-Plan: "2211 Family welfare - 108 Selected area Programme - Including IPF-01-India Population Project -Population Centre".

Item	Budget proposed for 1998-99	Expenditure incurred upto Dec. 98
Plan	Rs.	Rs.
Usefulness of the training arted to the tribal girls	25,000/-	25,000/-
lu-noi/	an	
1. Pay of Officers	7,39,000/-	2,59,826/-
2. Pay of Staff	11,47,000/-	7,26,519/-
3. Dearness Allowance	28,15,000/-	15,19,442/-
4. Other Allowance (including medical expenses)	4,49,000/-	2,64,407/-
5. Office Expenditure	4,00,000/-	50,044/-
6. Motor vehicles	2,00,000/-	8,665/-
7. Travel Expenses	1,00,000/-	6,947/-
Total	58,51,000/-	27,92,810/-

ACTIVITIES OF POPULATION CENTRE DIRING 1998-99

I STUDIES COMPLETED

- 1. Perception of People about Quality of Medical Services in Secondary Level Hospitals in Kolar District.
- /2. Status of Primary Health Care in Hassan District.
- 3. A District Profile of Karnataka on Socio-Economic, Demographic and Family Welfare Indicators.
 - 4. Concurrent Evaluation of Family Welfare Slogans Printed on KSTRC Tickets.

II STUDIES IN PROGRESS

- J. Evaluation of ALMA Training for Tribal Girls under the Innovation scheme of IPP-IX.
- 2. Multi-Indicator Cluster Survey.
- 3. A study on benefit accrued from IPP-I and IPP-III in Karnataka.
- √ 4. Role of Mahila Swasthya Sangha A Study.

ಆರುಕ್ತಿಗಳ ಕಿರ್ಮ ಕರ್ಮಾಣ ಸೇವೆಗಳ ನಿರ್ದೇಶನಕಾರಿಕ್ಕು ಬೆಂಗಳುಕರು (ಆರುಕ್ತಿಗಳ ಕಿರ್ಮ ಪರಚ್ಚು ತರಬೇತಿ ವಿಭಾಕಗ)

ಕ್ಷೇ ನಿರ್ದೇಶನಾಲಂತರದಲ್ಲದರದ ಆರರಾಗ್ಯ ಶಿಕ್ಷಣ ಮತ್ತು ತರಬೇಕಿ ಶಿಭಾಗವ ಮುಖ್ಯವಾಗಿ ಆರರಾಗ್ಯ ಶಿಕ್ಷಣ ದಟ್ಟದಟರೆಗಳ ಂತ್ರೋಜನೆ ವ್ಯವಸ್ಥೆ ಮಾಡುವುದರು ಮುತ್ತು ಆನುಮಾನಗಿಂತನೆಗೆ ಜನಾಬಾಂಧಿಂತರುವರು ಹೆರಾಂಧಿರರತ್ನದೆ ಮುತ್ತು ಆರ್ಲಿಕ್ಟ್ ಶಿಕ್ಷಣ ಸಾವರ್ನ್ಸಗಳನ್ನು ಸರಬರಾಜರ ಮುಂಡುವುದರ ಹಾಗಳ ಜೆರಾತೆಗೆ ಕ್ಷೇ ತಕಂಡ ಕೆರಾನಿಸರ್ವಗಳಿಗೆ ಮರಾಲ ತರಗ್ಗಳಿ ನೀಡಲು ಂತ್ರೋಜನೆ ವ್ಯವಸ್ಥೆಗೆರಾಳಿಸುವುದರು.

1) ಸೇವಾ ಪರಾರ್ಣ ಪರ್ರಾಲ ತರಬೇಡಿ:

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७) ठठित्रान् त्वर्ष सत्तार्थाः हु हुव्यार हुवर्गात् ।

ವಿದಿರುಕ್ತದೆಂದರ ಆರುಕ್ತಗಳ ಕಾಂರ್ಯಕರ್ತರ ತರಬೇಕಿಂದುವರು ಭಾರತ ನರ್ಕರದ ಆಡುದಾನ ರುಂದು ನಾಲ್ಕು ತರಬೇಕಿ ಕೇಂದ್ರಗಳಲ್ಲ ನಡೆಸಲಾಗುತ್ತದೆ (ಅಂದರೆ ಬೆಂಗಳುಕ್ತರು, ರಾವವನಗರ ಮುಂಡ್ಯ ಮುತ್ತು ಹುಬ್ಬರ್ಳ) ಅದರೆ 1990-91 ನೇ ಸಾಲಾಜನಲ್ಲ ತರಬೇಕಿಂದುಕದ ನಂತರ ಇದು ಪರೆಗೆ ತರಭೇಕಿಂದುವರ್ಷ ನಡೆಸಿರುವದಲ್ಲ. ತರಬೇಕಿ ಪಡೆದು ಅಭ್ಯರ್ಥಿಗಳಿಗೆ ನೇಮುಕಾಹಿ ಆಗುವವರೆಗೆ ತರಬೇಕಿಂದುವರು, ಕುಂಡಲಾಗುವದಲ್ಲವೆಂದು ಈ ನಿರ್ದೇಶನಾಲಂದುದ ಕಾಗದವನ್ನುದಿಂದ ಕಿಳಿದುಬಂದಿದೆ.

ಆ೬ ಆ೮ಬೇತಿಗೆ ಸಂಬಂದವಟ್ಟ ಆಸಂದಾನವನ್ನು ನೇರವಾಗಿ ಭಾರತ ಸರ್ಕಾರ ಅವರ ನಿರ್ದೇಶಕರು ಕಂಟುಂಬ ಕಲ್ಯಾಣ ಮತ್ತು ಸಂಬಂದವಟ್ಟ ಅಸರುಕ್ಷಗ್ಯ ರವರಿಗೆ ಜಹುಗಡೆಂತುಾಗುತ್ತಿದೆ. ಅಪರ್ವನಿರ್ದೇಶಕರು(ಕು.ಕ. ಮುತ್ತು ತಾ.ಮ.ಆ) ರವರು ನೇರವಾಗಿ ಸಂಬಂದಿಸಿದ ಆರಬೇತಿ ಕೇಂದ್ರಗಳಿಗೆ ಜಹುಗಡೆ ಮಾಡುತ್ತಾರೆಂದು ತಿಳಿದುಬಂದಿದೆ.

ಕೇಗಾಗಲೇ 618 ಜನರು ತರಬೇತಿಂತುನ್ನು ಪಡೆದು ಉತ್ತೀರ್ಣರಾಗಿದ್ದಾರೆ.

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1989-90		300	257	247
1990-91		240	217	503
				618

ಅದರಲ್ಲ 468ಜನರಿಗೆ ಉರುಕ್ಕೀಗ ರುಕರಿತಿರುವ ಇನ್ನಕ್ಕೆ 150 ಜನರಿಗೆ ಉರುಕ್ಕೀಗ ನೀಡಬೇಕಾಗಿರೆ. ನೀಡಿರ ನಂತರ ತರವೇತಿ ನೀಡಲಾಗುವರು.

ತರಬೇತಿಗಾಗಿ 1996-97ನೇ ಸಾರವರ್ಷ ಅರ್ಜಿಂತುವರು ಕರೆಂತುಲಾಗಿತ್ತು, ಎಲ್ಲಾ ಹಂತವು ಪರುಗಿದಿದ್ದು ಎಲ್ಲರಿಗುತ್ತು ಉದ್ಯೋಗ ನೀಡಿದ ನಂತರ ತರಬೇತಿಂತುವನ್ನು ಮುಂದುಕರನಲ್ಲಾಗುವದು. ಎಂದು ಕಡತದಲ್ಲ ನಿರ್ದೇಶಕರು ಅದೇಶಿಸಿದ್ದಾರೆ ಎಂದು ತಿಳಿದು ಬಂದಿದೆ.

. e) य-१०७ द०उ सन्य उपग्रे :

ಇದು ಒಂದು ವರ್ಷ ತರಬೇತಿಂತವಾಗಿದ್ದು ವ್ಯತಿ ಕೇಂದ್ರಗಳಿಗೆ 8 ಜನರಂತೆ 6 ಕೇಂದ್ರಗಳಲ್ಲ (ಅಂದರೆ (ಉತನನ್ನ ಶಿವವೆರಾಗ್ಗ, ಗೌತರವಾಹ, ದಣಾಪವರ ವರಿತ್ತು ಬಲ್ಬರುತ್ತು ಗುರಬುರ್ಗ) ಗಳಲ್ಲ ತರಬೇತಿ ನೀಡುತ್ತದ್ದು ಇದರ ರಾಜ್ಯ ನರ್ಕಾರದ ಂತೆರ್ನಾಜನೆಂತವಿಂತವರ್ಲ ಭಿರಿಸರಿತ್ತಿದ್ದು ಪ್ರತಿ ವರ್ಷ 60,000ರರಾಗಳನ್ನು ಅನುದಾನ ನೀಡರಾಗುತ್ತಿದೆ.

ನದರ ನರಚೇತಿಗಳನ್ನು ನಿರ್ಗೀಸರನ್ನು ಬೈದ್ಯಕೀಲನನ ಧಿಷಣ ಇಲಾಖೆ, ಹಾಗನಾ ವ್ಯಾರಕಿ ಚನಿಡಿಕಲೆ ಬೆನ್ನಾರ್ಡ ವನನಾಗನಾಗು ನಡೆಸಲಾಗುವುದಿಂದ ಆರ ಕಾಂನರ್ನ ಲನೆನಾಗುವುದನ್ನು ರದನ್ನು ಪಡಿಸಬಹುದರು.

2) ಸೇವಾ ನಿರತ ಪ್ರಸಾಲ್ಪ ತರ್ಣೇತಿ:

७) ७० वर्षे वर्षे ३००० ६०००० ६४०० वर्षाताः

ಆರೇಶ್ವರ್ಗೆ ಶಿಷ್ಣ ನಂತರ್ತ ತರಬೇಶಿ ಶಿಭಾಗರ ಅಧ್ಯನ ನರಬೇಶಿ ಗೇಂದ್ರಗಳಿಂದ ಬೆಂಗಳುಶರರ್ನೆ ಗುರ್ಬರ್ಗೆ ಅರೇಶ್ವರ್ಗೆ ನಂತರ್ತ ಕಂಟರು ಬರ್ಬರ್ ತರಬೇಶಿ ಕೇಂದ್ರಗಳಲ್ಲ ನಾಲಕ್ಕೆ ತೆಂಗಳ ತರಬೇಶಿ ನೀಡಲಾಗುತ್ತಿದೆ. ನುವರಾರರ 240 ಆರೆ ವೈದ್ಯಕೀಂರರ ಕಾಂರರ್ವಕರ್ತರನ್ನು ಆೇ ನಿರ್ದೇಶನಾಲಂರರ ಬರುವ ನೇಮಕಾತಿ ಮಾಡಿಸುತ್ತಾರುಗಳು. ಮೃತಿ ಕೇಂದ್ರಗಳಲ್ಲ ಮೃತಿ ಬಕ್ಕಾರ್ಗೆ 50 ಆಭ್ಯರ್ಥಿಗಳಂತೆ ಮರ್ವಬಲ್ಲ ವರಚರ ಸಂದರ್ಭತಿಂದರುವರು ಸಾಂದರ್ಭತಿಂದರುವರು ಬರುದೇಶಿ ನೀಡ ಲಾಗಿದೆ. ಸುವರಾರರ 40 ಜನರರು ಬಾಕಿ ಇದರು ಇವರ ತರಬೇಶಿಂದರುವರು 1999–2000 ನಾಲನಲ್ಲ ತರಬೇಶಿಂದರು ಮೊದಲುಬೇ ಬಾಸಿಗೆಗಳು. ನೀಡಲಾಗುತ್ತದೆ. ಇದಕ್ಕೆ ತಗಲರದ ವೆದ್ಯ ಅವರದರ ವೇತನ ಪಡೆಯರುತ್ತಿರುವ ಪಾಗುಲ್ಲ ಒಡಗಾಗಲಾಗುತ್ತಿದೆ. (ಮುಂದರುಕಾ ಭಿತ್ರಕ್ಕೆ ಮುತ್ತು ದಿನ ಭಿತ್ರ)

a) त्वार्थि प्रत्यक्व यवगृरिषः

ಕೆ ಕೆ ತರ್ಣ ಪರ್ಣ ಪರಭಾಗವನ್ನು ನೀಡರಾಗಿದೆ. — ಆ೯೧೩ ತರಭೇತಿ ಸಹಭಾತ್ತಿಗೆ ಭಾರತ್ತಾರಿದ್ದ ಕ್ಷಣ್ಣ ಪರಭಾಗಿದ್ದ ಪರಭಾಗಿದ್ದು ಕ್ಷಣ್ಣ ಪರಭಾಗಿದ್ದ ಪರಭಾಗಿದ್ದು ಕ್ಷಣ್ಣ ಪರಭಾಗಿದ್ದ ಪರಭಾಗಿದ ಪರಭಾಗಿದ ಪರಭಾಗಿದ ಪರಭಾಗಿದ್ದ ಪರಭಾಗಿದ್ದ ಪರಭಾಗಿದ ಪರಭಾಗಿದ್ದ ಪರಭಾಗಿದ ಪ

3) <u>ಪರುಂದರವರೆದ ಶಿಕ್ಷಣ (ಸೇವಾ ನಿರತ)</u>

ಆರೋಗ್ಯ ಶಿಷಣ ಬರಸಲ್ಲ ಸರಲೇತಿ ಶರಣಗಟ ಅಧೀನ ಸರಬೇತಿ ಕೇಂಗ್ರಗಳಾದ ರಾವರನಗರ, ಮಂಡ್ಯ, ಹರಿಬ್ಬಳ್ಳಿ,ಗರಲ್ಬರ್ಗ ಪರಸ್ತು ಬೆಂಗಳುಾರಿಸಲ್ಲ ಕ್ಯಾರಂಹರ ಅನೆಗೆಂತರ ಪ್ರಕಾರ ವೆಸಿದ್ಯಾಗಿ ಕಾರಿಗಳು, ತಿಂಂತರ ಅರೋಗ್ಯ ಸಹಾಂತರಕರು (ಪರರುವ ವರತ್ತು ವರಹಳೆ) ಮತ್ತು ಹಿರಿಂತರ ಆರೋಗ್ಯ ಸಹಾಂತರಕರು (ಪರರುವ ವರಹಳೆ) ಹಾಗುಂ ಕೇತ್ರ ಆರೋಗ್ಯ ಶಿಷಕರವರಿಗೆ ಸರಬೇತಿ ಸೀಡರುತ್ತಿದ್ದು 1996—97 ಸಾಲನಿಂದ ಹಂಪಿಕಿ—9 ಕರ್ನಾಟಕ ರಾಜ್ಯ ಆತರಾಗ್ಯ ಅಭಿವೃದ್ಧಿ ಸಂಪಂದಿಸಿದ ರಾಜ್ಯ ಆತರಾಗ್ಯ ಸಂಪಂದಿಸಿದ ರಾಜ್ಯ ಆತರಾಗ್ಯ ಸಂಪಂದಿಸಿದ ರಾಜ್ಯ ಆತರಾಗ್ಯ ಸಂಪಂದಿಸಿದ ರಾಜ್ಯ ಆತರಾಗುತ್ತದೆ. ಸಂಪಂದಿಸಿದ ರಾಜ್ಯ ಅರೋಗ್ಯ ಸಂಪಂದಿಸಿದ ರಾಜ್ಯ ಆಭಿವೃದ್ಧಿ ಸಂಪಂದಿಸಿದ ಕರಾಗುತ್ತದೆ. ಆದಂದಿಂದ ಪರಸ್ತತಿ ಕೇಂದ್ರಗಳಿಗೆ ಸೇರವಾಗಿ ಆಸರದಾನ ಪಡುಗಡೆ ಪರಾಹರಾಗುತ್ತಿದೆ. ಆದಂದಿಂದ ರೆಕ್ಕ ಪತ್ರ ವಿವರಣಿಂತರನ್ನು ಆವರೇ ಪಡೆಂತರುತ್ತಿದ್ದಾರೆ.

ತರಬೀತಿ ನೀಡಿದ್ದರೆ, ಆರುಕ್ತದೇ ಮಾಹಿತಿಯವನ್ನು ಈ ನಿರ್ದೇಶನಕಾಲಯನ್ನೆ ಸತ್ರಗಳವನಾಲ ರಿಂದಾಗಲ್ಲ ಅಥವಾ ಸಂಬಂಧಿಸಿದ ಂರ್ರಾಜನ ಆಧಿಕಾರಿಗಳಿಂದಾಗರ ಬರುವುದಿಲ್ಲ. ಅದರು ಈಲ ಮಾಗ ದಿಂದ ಪರಾಹಿತಿಲರರನ್ನು ಪಡೆದರ ಕರ್ನಾಧಿ (ಕಡಲಾಗರಣೆಗರ.

ನವರಿ ನೌಕರರಿಗೆ ತರಣೀತಿ ಕೇಳಾಪಟ್ಟಿಯನ್ನು ತರರವಾರಿಸರು 1996-97ಕ್ಕೆ ನಾರನಿಂದ ಐಪಿಪಿ-9 ಪರಕರು ಆರ್ಬಂಟಕ ರಾಜ್ಯ ಆರಂಭ್ಯ ಆರ್ಬ್ಯಾಪ್ಟ್ ಪರಣ್ಣಿ ಕಾಗರಾ ನಿರ್ದೇಶಕರು, ಇಸೆತಾಕ್ಷರ ರಾಜ್ಯ ಆರೆರಾಂಗ್ಯ ವರತ್ತು ಕರಟರಂಬ ಕಲ್ಯಾಣ ನಂಸ್ಕೆ ರವರು ಜಟಾಬ್ದಾರಿ ವಹಿಸಿಕೆರಾಂಡಿರುತ್ತಾರೆ.

ರೆಲಾನೆಯರುದಾಗಿ ಅನುವಾನದಲ್ಲ ತರಾಂಧಿಸಿದ ದಿರಿಧ ತರಬೇರಿಶಿತವರು, ವೈದ್ಯಕೀಯರು ನಿರ್ವೇಕರ ಅಧೀನದಲ್ಲ ಬರುವುದು. ಅವರೇ ಕಾರ್ಯಕ್ರಮುಗಳನ್ನು ನಡೆಸುತ್ತಿದ್ದಾರ. ಆದರೆ ರಿರಿಯು ಮುಹಿಳಾ ಅಶುರ್ರಣ್ಣ ಸಹಾಯುರಿಯುರ ಪರಣೀತಿರುವನ್ನು ಅಪರ ನಿರ್ದೇಶಕರು(ಕುಕ ಮುಶ್ರ ಕಾವುತ)ಆಚರು ಚರಿಸಲಾ, ದಾಂಲೆ.

ರಿ ಪ್ರಕಾರಣ್ಣ ಕ್ರಿಕ್ ಪ್ರಕಾರಣ್ಣ ಬಿಡುವರು

ನಿರ್ದೇಶವಾರಂತರದಲ್ಲಿರುವ ಎಡ್ಡು ಲೌರಾಲಗ್ಯ ಕಾಂತರ್ರಕ್ರವರಗಳಿಗೆ ಸಂಬಂಧಿಸಿರ ಆಲೆರಾಲಗ್ಯ ಶಿ.ಪೂ ವಸರ್ವಗಳನ್ನು (ಇತ್ತಿಪತ್ರಗಳು, ಮುದಿಕೆ ಪತ್ರಗಳು ಮುಂತಾಗಘಗಳು) ಮುಲ್ತು ವಿಡಿಯರಾಲ ಕ್ಷಾಣಿಟಗಳನ್ನು, ಈಲ ವಿಭಾಗದಿಂದಲಿಲ್ಲ ಪರಾಹಲ್ಪದರತ್ತಿದ್ದು ಇವರಿಗೆ ಬಿಲಕಾಗುವ ಆುರದಾನವನ್ನು ಈಲ ಎರಾಗರೆ, ರೆಕ್ಕ ಶೀರ್ಷಿಕೆ 2210-06-112-0-01ರ ಅಗಿಂತರಿಕ್ಕ ನರ್ರೋಚೇಲರಗಲ್ಲಿ ಬಡುಗಡೆ ಮಾಡಲಾಗುತ್ತಿತ್ತು. ಆದರೆ 1992-90ಕ್ಕೆ ಸಾರದಿಂದ ಎರುವವ ೧ಸರದಾಸಭಾ ಈ ವಿಭಾಗಕ್ಕೆ ಬವರಗಟೆಂತರಾಗದೇ ನದರಿ ಹಣಮನ್ನು ನಂಬಂಧಿಸಿದ ಂತರ್ನಾಜನಾ ನಹನಿರ್ದೇಶಕರಿಗೆ ಬದರಗಡ ಮಾಡರುವರು ತ್ತದೆ.

ತವರ್ಯ, ಕಾಂದರ್ರಕ್ರವರಕ್ಕೆ ಜೀಕಾಗಡಿವ ಅಭಿರಾಲಗ್ಯ ರಿಕ್ಟು ಸಾವರಗ್ರಿ ವಸ್ತುಗಳನ್ನು ಸಂಬಂಧಿನಿದ ೦೨ರಾಲ್ಷಣಾ ಸಪನಿರ್ವೇಶಕರರು ನಿರ್ದೇಶಕರ ಅಸರವಿರಾಲದನೆ೦೨ರಾಯಿದೆ ಬದರಗಡೆ ಮಾಡರ ವರು ಮತ್ತು ಕುಟುಂಬ ಕರ್ಗಾಣ ಸೇವೆಗಳು, ರಾಜ್ಯ ಅರ್ರಾಂಗ್ಯ ಮುತ್ತು ಕುಟುಂಬ ಕರ್ಗಾಣ ಸಂಸ್ಥೆ 'ಎಡ್ಸ್, ಐಪಿಪಿ ಮುಳ್ಳು ಆರ್ನಾಟಕ ಆಲೆಲಾಲಗಳ ಆಭವ್ಯದಿಂ ನಂನೆಂದಲು ಅವರ ನಿರ್ದೇಶಕರು ತಮ್ಮ, ಕಾಂರರ್ರಕ್ರಮುಕ್ಕೆ ಬಿಲ್ಲಕಾಗುವ ರಿಕ್ಕು ನಾಮುಗ್ರಗಳನ್ನು ಅಚರಚುಲ್ಲಿ ಚಿತುಗಡೆ ಚುಕಾಗುತ್ತಾರೆ.

ಶಾಲಾ ಆರುಾಲಗ್ನ ಗಾಂರ್ಯಕ್ರಮ:

ಗಕ್ರಾನಿನೀಣ ಪರಚನ್ನು ಪಟ್ಟಣ ಪ್ರಶೇಕರಣಕರ್ವರುವ ಕಿರಿಯು ಪ್ರಾಥಕಿನಿನಕ ಹಾಗು ಹಿರಿಯು ಪ್ರಾಥರಿರಿಕ ಪ್ರತೀ ಪಾರಸಲ್ಲ ಶಾಲಾ ಯರೀಗ್ಯ ಕಾರುರ್ರಕ್ರಮಚಿತ್ರ ಯರವುದನಗರಾಳಿಸಲಾಗಿದೆ. ಪರಿಣಾಮಕಾರಿಯವಾಗಿ ಬಾರಿಗವಾಳಿಸಲು ಏಲ್ಲಾ ಹಲ್ಲಾ ಯಿತಾಲಗ್ಕೆ ಪವತ್ತು, ಕಲಬುಂಬ ಕಲ್ಕಾಣ ಲಗಿಕಾರಿಗಳನ್ನು ಕೆರಾಲರಲಾಗುವುದು. ಇಪ್ರಿಕ ಪರತ್ತು ಹುಲ ತಿಂಗಳಿನಲ್ಲ ಶಾಕೆಗಳ ಸರ್ವೆಯನ್ನು ನಜಿಸಲಾಗುವುದು. ಇಸರ್ನು ಉಳಿದ 1030ಗಳಿನರ್ದ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಶೃದ್ಯಕೀಂತರ ಪರೀಕೆ ಮಕ್ಕಳಿಗೆ ಡಿದಿ ವರತ್ತು ಹಿಡಿ ಅಸಿಕೆ ಹಾಕುವುದು. ಸಣ್ಣಪರಿಟ್ಟ ಕಾಂತರಿಲಿಗಳಿಗೆ ಚಿಕಿತ್ಸೆ ನೀಡಬೇಕಾದ ವಿಡ್ಯಾರ್ಥಿ ศรีสีวนุ ซีอิวิบน นราสาศรีที่ ซีซอดิลิซึ่งอเรียวก่อสีนา สวบอสีอน ซือบประสินอสินซีกรีสวน ಪಟಿಸಲಾಗುತ್ತದೆ. ಾಕ್ಷಗರಿಗ ಚುತ್ತು ವಿಚ್ಛಾರ್ಗಿಗಳಿಗಿ ವೈಯುತ್ತಿಕ ಯರಾನಗಳ ಪರಿಸರ ಸೈರ್ಮನ್ಯ ช่อนัดดีออก กิรูปอก ซ้านอออดอาการที่ มีปอร์ น้ำ กระจากนิการที่ เปลารูปกา อินเก กิรุนยากเอกนอง

ಆರುತ್ತಾಗ್ಯ ಶಿಭಾ ರಾಯರ್ಯಯಾಂಚುಗಳು:

1) ಮಂತಿಳಾ ಉಟ್ಟರಾಕ್ನೀಗ ಉತ್ತಂಜನ ಕಾರ್ಯಕ್ರಮ 2) ಪ್ರಸ್ತಿ ನಿರತ ಸವರಸ್ಥೆಗಳಿಗೆ ಕಪಾರ್ಯಭಾ ನೀಡರವುಬ

was the property



Pendemance Report of Aircon of Hoolth Discotton and Ornintal Section of the Phreetorate of Hool and Neully Welfare Services, Tangalore for the year 1996-97, 1997-98 and 1998-99.

The Health Education and Excluding section of the Pirestorate is painly respectible to Planning, Organizing and Inglementation of Health Education Activities and School Health Services in the State, including of production and supply of Health Education exterials and Lucio-Visual Lagrangents.

I. Pre-Cervice maje Training Courses

1) Bengalors

2) Culbarga

(Control Fond) - Coial	raining (Hale) - Period of Training One year - stipend H. 125/-p.m. 240 Heabers.	
1) Pangelore 2) Pangelore 3) Holli 4) Mandya	60 Nombern per centre	
2. X-Ray Technicians Tra. Total 36 Housers.	ning - Period of Imining One year - Stipend & 100/-p.a. (State Amd)	
1)Hecran 2)Gilberge 5)Mjapur 4)Hirvar 5)Ricar 6)Shinoga	06 Members per centre	
CANTERIOR I		
I. In-Service Busic Trai	Eng Courses	
Dave Hedtout thetere 5	nining Course - Period of Projetor Born morths	

As per candidates available - Minimun 30 Candidates per centre.

2.	Health Inspector	fraining course - Period of fraining One ye	wir.
	1)Hendye 2)Hycore 5)Delgen 4)Hengelore 5)Dellary 6)Derend 7)Gellarge	} Den cemre 75 candidates - Detal 50	25.

III. In Service Continued Discation Orbinings

In-Service Training Course under continued Education of short duration of one wed; two weder courses to P.W.W. Form Medical Staff like Mealth Assistants (Junior and Senior) Males and Perales which were organised by tile Merctorate are now organised by I.P.P.-II and M.N.C.D.P.

IV. Mold Study and Demonstration contros

The Field Study and Impostruction is also being corrected as a filled trial and pre-testing of Haulth Education saturals produced by L.E.C. Wing. The field study also implades as a demonstration to the templicipation.

The Activities included are training of School Tourising and Park Hedler Stoff of Privary Health Contro and Supervision.

ichlevenom Curium the your 1996-97, 1397-90 and 1993-99:

The World Health Try on 7th April was observed throughout the State on a particular slogan during 1996-97, 1997-98 and 1996-99 naming necessary guidelines to all the matrices. A major Health and Panily Walture Stall was arranged on the occasion of Hypore Degra Pahilition at Mysore during these years and also assisted to organise the Health and Panily Walture Emissions at Hassen, funder and other places.

-: 3 9-

The Health Education Exterious line colders, posters, leaflets were prepared and printed in lead language on different programes in addition to purchase of Audio-Visual Equipments, Miles prints, leavestion seems one, posterious to different Health decembling.

atatoment showing the training programme for different entanguies of Staff from 1996-97 to 1998-99:
(In-survice learning):

		Pariod of		City with min cape has Con	39 98-990vio	2 00 00 00 00 00 00 00
-1	lo- are of the fathing		1996-97	1997-98	115 may 53	
9	. Nedical Critespo	2 प ७०८ व	7 53	356	294	
ć	2, Most Real to Discretor	S Regio	70	7 44	1256	
7	i. Santor Health Andstant (Male and Famale)	2 Feetin	250	574	306	
Á	la Junior Health Amilating (Mile and Permis)	2 North	1730	341	344	
Ċ,	i. Senior and Junior Health Assistants (INIC and Potalo turined by mobile team, Employe)	S Noota	205	145	5108	

II. Statement showing the proje Truining for nowly recruited and non recruited stiff;

To. The of the mraining	Period of	1995-97	1997-98	19989	
1. Para Medical Morkers	4 months	ativa and tell selle telle telle	127	121	
2. Training of 1-127 Fedim claus	1 year	***	30		
5. Emining of Mills (Mels)	1 7002	-	-	-	
4. Health Inspectors Training (In service)	1 year	171		-	

Edical Realth Education Units-

This unit is responsible for Planning, Organicing and inplementing Health Education Programs in all the Princip Schools and Conchers Greating of Friday echools in the State. It is cololy nonitored by the Departy Misotor(SIF).

relied freel to Progresses:

The School Health Programs has been implemented in all the Princip and Migner princip (choole in both lumi) and Writer around the State. All the District Mealth and Furily Aplians Officers are implementing the programs of effectively as per the instructions of this pirrotare. The inclinding are various activities.

- 1. Helical Explination of the exademia
- 2. Immediation of Gildren with H. & FT
- 5. Providing treatment for minor althomo
- . Students requiring opecialist care are referred to recreat hespital regularly.

Houlth Education to teachest caudl no students regarding personal hydrene, environmental contration, driving unter, use of laterime are being taught regularly.

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III. Statement ale	מפסיברסיבה סולד הגדלנים	report on School I	locath sorvices fr	on 1996-97 to 1995-99,
				مشهلي شعب المستحداد المستحدد والمستحد وأورز المعاملات أريان المستحدد والمستحدد

	2005 07 Country	as and 160 are one ord		
Cl. Particulars	1996-97 Special	1995-97	1997-98	1993-99
(1) (2)	Fromuse G)	(4)	(5)	(0)
1. Hood students in Schools				
I, IV & VII	551000	3099478	3134012	3373185
2. No.of-students nedical examinad	3999440	1606175	1595474	170402
3. No. of studenth found descotive	2195703	265426	276719	27753
4. No. of students Tallowsp for defe	~ 213¢	150679	193332	10,709.6
Invitage tion Progression				
1. ke-(L student) fiven D& T	68(1291 ***********************************	850295	6077e6	712503
2. Io.of studeniu given 1.1. vaccination	8 6555%	899653	701225	737.427
Touth weetien Programs:				
1. Ho. of Health tilks given in schools		55 63 1	96706	107509
2. Ho of School teachers truined		۱ کی رو	30100	00,000
angor ecuory perits brothere	-	2791	1365	6323
Hobile Opticinis our matal				
Dontal:				
. Ro. of students pental empired		45303	46525	30553
2. Fo. of found defective	-	10135	9980	६:4३
3. No. of treates	-	4099	5225	2416
optrahamic	1	52325	48334	19568
2 no of students examined.	-	5094	1988	624
3 on of Newton's treety		1924	1660	4-93

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- 1. The President of all State Medical Councils,
- The Directors of Health Services/Directors of Medical Education All State Govt. and Union Territory Administrations.

Subject: Action to be taken against un-qualified medical practitioners/quacks.

Sir.

Section 15 of the Indian Medical Council Act, 1956 provides that no person other than a Medical Practitioner enrolled on a State Medical Register or given provisional registration under Section 25 shall practice Medicine in any State and any person contravening this provision shall be punished with imprisonment for a term which may extend to one thousand rupees, or with both.

In the letter addressed by the Central Govt. (Ministry of Health & F.W.) to all State Govt./UT Govt. on 01.06.1982 they were informed that despite lapse of so many years no tangible action has been taken against the entry of fresh unqualified persons into the rank of the registrable stock. At that time the annual addition of medical graduates from 106 medical colleges were 13,000. With the significant increase in the number of qualified doctors there was no dearth of trained and qualified medical personnel in the country. Also, a number of cases of gross negtigence on the part of unqualified medical practitioners came to notice of the Govt. To put an end to the problem of unqualified medical practitioners as well as to ensure that there is no fresh addition whatsoever of unqualified persons to the stream of practitioners, the State/UT Govts. were asked to invoke the penal provisions of I.M.C.Act, 1956, as per the above stated communication of the Central Government.

In connection with a writ petition filed by the Indian Medical Association, Delhi Branch in the High Court of Delhi., the High Court of Delhi had directed the Government of National Capital Territory of Delhi to file FIRs on individual basis and in persuance of the decision, the Delhi Govt. have formed an anti quackery raid party who on day to day basis have been filing FIRs against unqualified medical practitioners. In this context a copy of the Govt. of India, Ministry of Health & Family Welfare letter No.C.18018/9/96ME(UG) dated that 9th August 1996 is enclosed for ready reference.

Contd......2.....

It is therefore, requested that all State Govts./State Medical Councils may please take necessary action against quacks practising in the State/UT concerned. Action taken may please be intimated to this Council.

Yours faithfully,

(DR.M.SACHDEVA) SECRETARY.

Endst. No. MCI-211(2)/98-Regn./19998

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Dated: 20.10_1998

Copy to Ministry of Health & F.W., Deptt. of Health, attention Shri S.K.Mishra, Desk Officer ME (UG) with the request that necessary action may please be taken to follow up with the State/UT Govts. for taking necessary penal action against quacks.

(DR. M.SACHDEVA) SECRETARY Letter No.KMC/UND/84-85 dated 31-5-1984 from the President, Karnataka Medical Council, Bangalore to the Secretary to the Government of Karnataka, Health and Family Welfare Department, Multi Storeyed Building, III Stage, Dr.B.R.Ambedkar Veedhi, K.R. Circle, Bangalore-560001.

Subject: Problem of Quackery - Containment of - by the Government of Karnataka.

Recommendations of the Committee and recommended by the Karnataka Medical Council.

* * *

- 1. All Doctors practising allopathic system of medicine in Karnataka State should be registered. The registration should be made mandatory as per provisions of the Medical Council of India Act and KarnatakaMedical Council Act. In addition, the Medical Practitioners should invariably quote their KMC Registration number and its validity on their prescriptions issued to the patients, on the sign Boards and on their letter heads, etc.,
- 2. Any doctor who intends to practice in the State of Karnatal...

 uncult, irrespective of his registration in other Frate Medical

 one its of India must register in the Karnataka Medical Council...
- Prescriptions not mentioning the KMC.registration number and its validity shall not be honoured by the Pharmacists/Chemists and Druggists.
- 4. No person who is not registered in the Karnatake Medical Cou. 11 is empowered to prescribe or use Allopa drugs.
- 5. A her persons practicing as Registered Medical Practicioners (RMP) in other systems of Medicine, Like Ayurvada, Unani, Siddha etc., should also be regulated through their respective Food/Council and their should not encroach upon prescribing Allopathic Medicines.
- 6. Stringent punishment should be stipulated for violation of the above by making suitable legislation on the lines of Karnataka Medical Council Act.
- 7. Public are requested to co-operate and to be cautious.

* * * * *



Indian Medical Association

Karnataka State

President

Dr. S. B. Kulkarni gener phtrus

- Population Control -- A National Emergency
- Potable Water- A Civil Right
- Nutrition As a Child's Right
- Primary & Preventive Health Care- A Citizen's Right
- U> Increase in Budget for Health
 - Compulsory Secondary Education for the Adolescent Girl Child
 - Environment and Sanitation- A National Commitment
 - Medical Education and Research Policy
 - Abolition of Quackery
 - Health Education for All
 - Involvement of Private Sector in National Health Programmes
- Uniform Wages and Service Conditions Policy for Different Medical Professionals
- 3 Consumer Protection Act to be Amended go color to be brought
 - Extended Universal Immunisation For Children
 - Creation of National Health Commission

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1998—99ನೇ ನಾಶನ ಭಾರತೀಂತು ವೈದ್ಯಪದ್ಧತಿಗಳು ನುತ್ತು ಹೆರ್ನಾಮಿಂತುಗಳಿನ ಇಲಾಖೆಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಅಂದಾಜು ಸಮಿತಿಂತು ಮೆರಾದಲನೆಂತು ಶಿಥಾರಸನ್ನುಗಳಿಗೆ ಅನುಸರಣಾ ವರದಿ

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ಇಲಾಖೆ: ಭಾರತೀಂತು ವೈದ್ಯಪದ್ಧತಿಗಳು ಮತ್ತು ಹರ್ಮಾಮಿಂತೋಪತಿ.

ಅಂದಾಶು ಸಮಿತಿಂತು ಶಿವಾರಸ್ಗುಗಳು

ಇಲಾಖೆಂತು ಅನುಸರಣಾ ವರದಿ

ವ್ಯಾರಾ-11 ಶಿಧಾರನ್ನುಗಳ ಪರಿಚ ಸಂಖ್ಯ-24 - ಭಾರತೀಂತು ವೈದ್ಯಪದ್ಧತಿಗಳು ಮತ್ತು ಹೆತ್ತಾಬಂತೋ ಪತಿ ಇಲಾಖೆಂತುದಿಂತುಲ್ಲ ಪ್ರಾಧ್ಯಾಪಕರು, ಸಹಾಂತುಕ ಪ್ರಾಧ್ಯಾಪಕರು (ಅಂತುವರ್ಕೇರ) ಪ್ರಾಥಾಂತುರು (೧ತುಬಸಾಗಿ) ಮುಂತಾದ ಗುರೆಂಗಳನ್ನು ಭರ್ತಿ ತರಾಡರೆ ಉಳಿದಿರುವುದು ಗಮನಿಸಲಾಗಿದೆ. ಈ ಇಲಾಖೆಂತುಲ್ಲ ಗುತ್ತಾವೆ ಎ, ಬಿ, ಬಿ ಮತ್ತು ಡಿ ವರ್ಗದಲ್ಲ ಎಲ್ಲಾ ಹುದೆಂ ಗಳನ್ನು ಕುಡಲೇ ಭರ್ತಿ ಮಾಡಲು ಕ್ರಮ ತೆಗೆದುಕೊಳ್ಳ ಬೇಕೆಂದು ಸಮಿತಿಂತು ಶಿಫಾರನ್ನು ಮಾಡುತ್ತದೆ. "ವ" ವೃಂದರಲ್ಲ ಇಲಾಖೆಂತುಲ್ಲ ಖಾಣಯುರುವ ವೈದ್ಯರು ದರ್ಜೆ-2(ಆ) ವೃಂದದಲ್ಲ 145 ಹುದ್ದೆಗಳ ಭರ್ತಿಗೆ ಕರ್ನಾಟಕ ಲೋಕ ನೇವಾ ಅಂತೋಗ ಅಂತ್ಕು ಹಟ್ಟ ವ್ಯಕಟಿಸಿದ್ದು ಇದರಲ್ಲ 102 ವೈದ್ಯರನ್ನು ವರ್ಕಾರ ನೇವುಕ ಮಾಡಿದ್ದು ಉಳಿದ 43 ಅಭ್ಯರ್ಥಿಗಳಿಗೆ ನೇಮಕಾತಿ ನೀಡಲು ಸರ್ಕಾರದ ಹಂತದಲ್ಲ ಪರೀಲನೆಂತುಲ್ಲವೆ.

: ಉಳಿದ ಖಾಲಂಎರಎವ ವೈದ್ಯರು ದರ್ಜೆ—2(ಅ) ಹುದ್ದೆಗಳಲ್ಲ 148 ಜನ ಗುತ್ತಿಗೆ ವೈದ್ಯರು ಗ್ರಾಮಾಂತರ ಪ್ರದೇಶಗಳ ಚಿಕಿತ್ಸಾಲಂಎರದಲ್ಲ ಕೆಲನ ನಿರ್ವಹಿಸುತ್ತಿದ್ದಾರೆ. ಂಮುನಾನಿ ವೈದ್ಯಪದ್ಧತಿಂತುಲ್ಲ 18 ಜನ ನೈದ್ಯರನ್ನು ನೇಮಕಾತಿ ಮಾಡಲಾಗಿದೆ. 12 ಜನ ಗುತ್ತಿಗೆ ವೈದ್ಯರು ಗ್ರಾಮಾಂತರ ಚಿಕಿತ್ಸಾಲಂಎರಲ್ಲು ಕರ್ತನ್ಯ ನಿರ್ವಹಿಸುತ್ತ ದಾದಲೆ. ಅದೇ ರೀತಿ ಹೆರ್ಲಾಮಿಯಾಲ್ನಡತಿ ವೈದ್ಯಪದ್ಧತಿಂಎರಲ್ಲ 5 ಜನ ವೈದ್ಯರುಗಳು ನೇಮಕವಾಗಿರುತ್ತಾರೆ. 4 ಜನ ಗುತ್ತಿಗೆ ವೈದ್ಯರು ಗ್ರಾಮಾಂತರ ಪ್ರದೇಶಗಳಲ್ಲ ಕರ್ತವ್ಯ ನಿರ್ವಹಿಸುತ್ತಿದ್ದಾರೆ. ಶುಶವ್ರಾಮಕಿ ಅಧೀಸಕರು ದರ್ಜಿ—2 ರ ಈ 3ಹುದ್ದೆಗಳು ಪತ್ರಾಂಕಿತ ಸಹಾಂವುಕರು 3 ಹುದ್ದೆಗಳು ಪದ್ರೋಹ್ನತಿ ಹುದ್ದೆಗಳಾಗಿರುದ ಈ ಸುದ್ದೆ ಗಳನ್ನು ಭರ್ತಿ ಮಾಡಲು ಸರ್ಕಾರದ ನಿಲುಗಡೆ ಆರೇಶದಿದೆ.

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ಗರ್ರಾವೆ 'ನಿ ' ಹುದ್ದೆಗಳಲ್ಲ ಪ್ರಥಮ ದರ್ಜೆ ಸಹಾಂತುಕರು ತುತ್ತು ದ್ವಿತೀಂತು ದರ್ಜೆ ಸಕಾಂತುಕರ ತಲಾ 5 ನಾದ್ದೆಗಳಿಗೆ ಕರ್ನಾಟಕ ಲೋಕಸೇವಾ ಅಂತ್ರೋಗ ಸ್ಪರ್ಧಾತ್ಮಕ ಪರೀಷೆ ನಡೆಸಿದ್ದು, ಅಭ್ಯರ್ಥಿಗಳ ಅಂತ್ರು ಪಟ್ಟ ಹೊರಡಿಸುವ ಸಂಕದಲ್ಲದೆ. ಬೆರಳಸ್ಟುಗಾರರ 6 ನಾದ್ದೆಗಳನ್ನು ಭರ್ತಿ ಮಾಗಲು ಶೀತ್ರ ರಿಪಿಗಾರರು ಮತ್ತು ಬೆರಳಸ್ಟುಗಾರರ ಪ್ರಾಧಿಕಾರವನ್ನು ಕೋರಿದ್ದು, ಈ ಸುದ್ದೆಗಳ ಭರ್ತಿಗೆ ಪ್ರಕಟಣೆ ಹೊರಡಿಸಿದ್ದು ಅಂತ್ರು ಪಟ್ಟ ನಿರೀಪಿಸಲಾಗಿದೆ. ಶುಶ್ರೂ ಪಕಿಂತುರು 70, ಇಷ್ಟು ವಿತರಕರು(ಅ), 250, ಇಪಥಿ ವಿತರಕರು(೦೨೦೦) 11 ಸುದ್ದೆಗಳಿಗೆ ಭರ್ತಿ ಮಾಡಲು ತರಬೇತಿ ಪಡೆದ ಅಭ್ಯರ್ಥಿಗಳು ಇರುವುದಿಲ್ಲ. ಈ ಹುದ್ದೆಗಳಿಗೆ ತರಬೇತಿ ನಡೆಸಲು ಪಠ್ಯಕ್ರ ಸುಗಣಸ್ಥು ಪರಿಷ್ಕರಣೆ ಮಾಡಲು ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗಿದ್ದು, ಅನಂತರ ಆರ್ಸ್ ಅಭ್ಯರ್ಥಿಗಳನ್ನು ನಿಂತುಮಾನುಸಾರ ಅಂತ್ರು ಮಾಡಿ ತರಬೇತಿ ನೀಡಿ ಹುದ್ದೆಗಳನ್ನು ಭರ್ತಿ ಸುವಾಡಲು ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗಿದ್ದು, ಆನಂತರ ಆರ್ಸ್ಟ್ ಅಭ್ಯರ್ಥಿಗಳನ್ನು ನಿಂತುಮಾನುಸಾರ ಅಂತ್ರು ಮಾಡಿ ತರಬೇತಿ ನೀಡಿ ಹುದ್ದೆಗಳನ್ನು ಭರ್ತಿ ಸುವಾಡಲು ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗುವರು.

ಗರ್ರಾವ್ ಡಿ 250 ಹರದ್ದೆಗಳು ಇಲಾಖೆಯಲ್ಲ ಖಾಲ ಇದ್ದು ಸರ್ಕಾರದ ಅದೇಶ ನಂಬೈ:ಡಿಪಿಎಆರ್ 2 ಎಸ್ಎರ್ಸಿ 95 ದಿನಾಂಕ 23—11—95 ರ ಪ್ರಕಾರ ದಿನಾಂಕ 1—7—84 ಮತ್ತು, ಅದಕರ್ಕ್ಕಾ ಮೊದಲು ದಿನಗರಾಲ ನೌಕರರಾಗಿ ಸೇರಿ ಸಕ್ರಮಗೆರಾಂಡ ನೌಕರರಿಂದ ಭರ್ತಿ ಮೂಡಲು ಆಂಯಾ ಹಿಲ್ಲಾಧಿಕಾರಿಗಳು ಮತ್ತು ಜಲ್ಲಾ ಆರ್ರೋಗ್ಯ ಮತ್ತು ಕರಟುಂಬ ಕಲ್ಯಾಣ ಅಧಿಕಾರಿಗಳು ಮತ್ತು, ಅಧೀನ ಸಂಸ್ಥೆಗಳ ಮರ್ಯಾಸ್ಥರರುಗಳನ್ನು ಕರ್ನಾಗಿರುದ ಈಗಾಗಲೇ ಕೆಲವು ಹರದ್ದೆಗಳು ಭರ್ತಿಂತರಾಗಿನೆ.

ಭಾರತೀಂತು ವೈದ್ಯಪದ್ಧತಿಗಳು ಮತ್ತು ಹೋಮಿಂತುಾಂಡತಿ ಇಲಾಖೆಂತು ಕಟ್ಟಡ ನಿರ್ಮಾಣಕ್ಕೆ ಹೆಣ್ಣಿನ ಅಂತುವ್ಯಂತು ಒದಗಿಸಲು ಸರ್ಕಾರವನ್ನು ಕೋರಲಾಗಿದೆ. ಪ್ರಸಕ್ತ 1999–2000 ಸಾಲನಲ್ಲ ರವಾ 39 ಲಕ್ಷ ಅಂತುವ್ಯಂತುವನ್ನು ಕಟ್ಟಡಗಳ ನಿರ್ಮಾಣಕ್ಕೆ ಒದಗಿಸಲಾಗಿದೆ. ಈ ಗಾಗಲೇ ಸರ್ಕಾರಿ ಹೋಮಿಂತುಾಂಡತಿ ವೈದ್ಯಕೀಂತು ಮತಾವಿದ್ಯಾಲಂತು, ಸರ್ಕಾರಿ ಂತು, ಸರ್ಕಾರಿ ಂತುವನಾನಿ ವೈದ್ಯಕೀಂತು ಮಹಾವಿದ್ಯಾಲಂತು ಮತ್ತು ಬೆಂಗಳವಾರಿನ ಮಹಿಳಾ

12) ಭಾರತೀಂತು ವೈದ್ಯಪದ್ಧತಿಗಳು ಮತ್ತು :
ಹೋಬುಯೋಪತಿ ಇಲಾಖೆಗೆ ಸಂಬಂಧಿಸಿದ ಡ್ರಗೆ
ಟೆಸ್ಟಿಂಗೆ ಲ್ಯಾಬೆ ಹಾಗುರಾ ಆಸ್ಪತ್ರೆಗಳು ಮತ್ತು
ಕಾಲೇಜುಗಳಿಗೆ ಸ್ವಂತ ಕಟ್ಟಡ ನಿರ್ಮಾಣಕ್ಕೆ
ಹೆಚ್ಚಿನ ನಣ ಒದಗಿಸುವಂತೆ ಸಮಿತಿಂತು ಶಿಥಾರಸ್ಸು

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- ರಾಜ್ಯದಲ್ಲನ 27 ಜಿಲ್ಲೆಗಳಲ್ಲ ಬೆಂಗಳರಾರರ ಗ್ರಾಮಾಂತರ ಜಿಲ್ಲೆಂತರನ್ನು ಹೆರಾರಳು ಪಡಿಸಿದರೆ ಉಳಿರ 26 ಜಿಲ್ಲೆಗಳ ಪೈಕಿ ಈ(ಗಾಗಲೇ 17 ಜಿಲ್ಲಾ ಕೇಂದ್ರಗಳಲ್ಲ ನರ್ಕಾರಿ ಅಂತರುರ್ವೇದ ಅನೃತ್ತೆ ಇನೆ. ಬಾಕಿ ಇರುವ 9 ಜಿಲ್ಲಾ ಕೇಂದ್ರಗಳಲ್ಲ ಂತೆರ್ನಾಜನೆಂತರಡಿಂತರು ಅಂತರುವ್ಯಂತರ ಅವಕಾಶದ ಪರಿಮಿತಿಗೆ ಒಳಪಟ್ಟು ಪ್ರತಿ ವರ್ಷ 1 ಅಥವಾ 2 ಜಿಲ್ಲಾ ಮಟ್ಟದ ಆಸ್ಪತ್ರೆಗಳನ್ನು ತೆರೆಂತರಲು ಕ್ರಮ ಸೈಗೆರಾಣ್ನ ಲಾಗುವುದರು.
- 29) ಪ್ರಸ್ತುತ ಅಲ್ಲೇಪತಿ ವ್ಯವಸ್ಥೆಗೆ ಹೆರ್ಲಾಲಿಸಿದಲ್ಲ ಅಂಯುರ್ವೇದಿಕ ಪದ್ಧತಿಗೆ ವುಲತಾಯುಧ್ಯೋರಣೆ ತೋರುತ್ತಿರುವುದನ್ನು ಸಮಿತಿಂದು ವುನಗಂತು ಅಲ್ಲೋಪತಿ ಪದ್ಧತೀರುಷ್ಟೇ ಆದ್ಯತೆಂದುನ್ನು ಅಂಯುರ್ವೇದಿಕ ಪದ್ಧತಿಗರಾ ಕರಾಪಬೇಕೆಂದು ವುತ್ತು ರಾಜ್ಯದಲ್ಲಿನ ವಿಲ್ಲಾ ತಾಲ್ಲಾಕು ಕೇಂದ್ರಗಳಲ್ಲ ಒಂದು ಅಂಯುರ್ವೇದ ಪದ್ಧತಿಂದು ಆಸ್ಪಪ್ರೆ ●ದುನ್ನು ತೆರೆಂದುಲು ಕರಾಡಲೇ ಕ್ರಮ ಕೈಗೆರಾಳ್ಳಬೇಕೆಂದು ಹಾಗರಾ ಜಲ್ಲಾ

13) ರಾಜ್ಯದ 13 ಜಲ್ಲೆಗಳಲ್ಲ ಅಂತುವರ್ಕ್ಟರ

ಆಸ್ಪತ್ರಗಳು ಇವೆ. ಇನ್ನು 14 ಜಲ್ಲೆಗಳಲ್ಲ

೦೨೦೦ ಇಲ್ಲೆ ಗಳಲ್ಲ ಅ೦೨೦೦ ೨೯೯೮ ಅನ್ನತ್ತೆ

ಗಳಿಲ್ಲ ಅಂತನ ಜಿಲ್ಲೆಗಳಲ್ಲ ಆಸ್ಪತ್ರೆಗಳನ್ನು

ತರೆಂತುಲು ಸರಾಕ್ತ ಕ್ರಮ ತೆಗೆರುಕರಾಳ್ಳ ಬೇಕೆಂದು ಸಮಿತಿಂತುು ಶಿಫಾರಸ್ಕು ಮಾಡುತ್ತದೆ.

ಇಂತಹ ಆಸ್ಪತ್ರೆಗಳ ಅವಶ್ಯಕತೆ ಇದೆ. ೧೨೦೩ ವ

ತಾಲ್ಲೂಕು ವುಜ್ಡದಲ್ಲ ಅಂಯುರ್ವೇದ ಆಸ್ಟತ್ರೆಗಳನ್ನು ತೆರೆಂಯುವುದು ಜಿಲ್ಲಾ ಪಂಚಾ ಯುತ್ಗಳ ಆಡಳಿತ ವ್ಯಾಪ್ತಿಂಯಲ್ಲದೆ. ಪ್ರಸ್ತುತದಲ್ಲ 41 ತಾಲ್ಲೂಕು ಸೇಂದ್ರೆಗಳಲ್ಲ ಈಗಾಗಲೇ ಭಾರತೀಂಯ ವೈದ್ಯಪದ್ಧತಿಗಳು ಮತ್ತು ಹೆಲಾಯಿಂಯಾದತಿ ಆಸ್ಟತ್ರೆಗಳನ್ನು ಪೆರೆಂಯಲಾಗಿದೆ. ಜಿಲ್ಲಾ ಪಂಪಾಂಯತ್ಗಳು ಈ ಉದ್ದೇಶಕ್ಕೆ ಒದಗಿಸುವ ಅಂಯುವ್ಯಂಯ ಸುತ್ತು ಕಟ್ಟಡ ಸೌಲಭಿಕಿ ಗಳನ್ನು ಅವಾಂಬಿಸಿ ತಾಲ್ಲೂಕು ಸೇಂದ್ರ ರಲ್ಲಿ ಅಂಯುರ್ನೇದ ಆಸ್ಪತ್ರೆಗಳನ್ನು ತೆರೆಂಯಲಾಗುತ್ತಿದೆ.

: ಉಳಿದ ಖಾಲಂವರವವ ವೈದ್ಯರು ದರ್ಜೆ—2(ಅ) ನವದೆಂಗಳಲ್ಲ 148 ಜನ ಗುತ್ತಿಗೆ ವೈದ್ಯರು ಗ್ರಾಮಾಂತರ ಪ್ರದೇಶಗಳ ಚಿಕಿತ್ಸಾಲಂತರದ್ದು ಕೆಲಸ ನಿರ್ವಹಿಸುತ್ತಿದ್ದಾರೆ. ಂತುವಾನಿ ವೈದ್ಯಪದ್ಧತಿಂತುಲ್ಲ 18 ಜನ ನೈದ್ಯರನ್ನು ನೇಮಕಾತಿ ಮಾಡಲಾಗಿದೆ. 12 ಜನ ಗುತ್ತಿಗೆ ವೈದ್ಯರು ಗ್ರಾಮಾಂತರ ಚಿಕಿತ್ಸಾಲಂತರದಲ್ಲ ಕರ್ತನ್ಯ ನಿರ್ವಹಿಸುತ್ತಿದ್ದಾರೆ. ಅದೇ ರೀತಿ ಹೆಲ್ಲಾಮಿಯಲ್ಲಾ ಜತಿ ವೈದ್ಯಪದ್ಧತಿಂತುಲ್ಲ 6 ಜನ ವೈದ್ಯರುಗಳು ನೇಮಕವಾಗಿರುತ್ತಾರೆ. 4 ಜನ ಗುತ್ತಿಗೆ ವೈದ್ಯರು ಗ್ರಾಮಾಂತರ ಪ್ರದೇಶಗಳಲ್ಲ ಕರ್ತವ್ಯ ನಿರ್ವಹಿಸುತ್ತಿದ್ದಾರೆ. ಶುಶವ್ರಾವಕಿ ಅಧೀಷಕರು ದರ್ಜೆ—2 ರ ಈ 3ಪುದ್ದೆಗಳು ಪತ್ರಾಂಕಿತ ಸಹಾಂತುಕರು 3 ಹುದೆಂಗಳು ಪರ್ಮೀಸ್ಕತಿ ಹುದೆಂಗಳಾಗಿರುಂ ಈ ಸುದೆಂಗಳನ್ನು ಭರ್ತಿ ಮಾಡಲು ಸರ್ಕಾರದ ನಿಲುಗಡೆ ಆದೇಶದಿದೆ.

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ಗುತ್ತದೆ ನಿ. ಹುದೆಂಗಳಲ್ಲ ಪ್ರಥಮ ರರ್ಜಿ ಸಹಾಂಯಕರು ಮತ್ತು ರಿಕ್ಟರಿಂದು ರರ್ಜಿ ಸಹಾಂಯಕರ ತಲಾ 5 ನುದೆಂಗಳಿಗೆ ಕರ್ನಾಟಕ ಲೋಕಸೇವಾ ಅಂಯೋಗ ಸ್ಪರ್ಧಾತ್ಯಕ ಪರೀಷೆ ನಡೆಸಿದ್ದು, ಅಭಿಕರ್ಥಿಗಳ ಅಂಯ್ಕೆ ಪಟ್ಟ ಹೊರಡಿಸುವ ಪಂಕದಲ್ಲದೆ. ಬೆರಳಪ್ಪುಗಾರರ 6 ನುದೆಂಗಳನ್ನು ಭರ್ತಿ ಮಾಗಲು ಶೀತ್ರ ಲಪಿಗಾರರು ಮತ್ತು ಬೆರಳಪ್ಪುಗಾರರ ಪ್ರಾಧಿಕಾರವನ್ನು ಕೋರಿದ್ದು, ಈ ಹುದೆಂಗಳ ಭರ್ತಿಗೆ ಪ್ರಕಟಣೆ ಹೊರಡಿಸಿದ್ದು ಅಂಯ್ಕೆ ಪಟ್ಟ ನಿರೀಷಿಸಲಾಗಿದೆ. ಶುಶಲ್ರಾ ಷಕಿಂಯರು 70, ಔಷಧಿ ವಿತರಕರು(ಅ), 250, ಔಷಧಿ ವಿತರಕರು(೦ಯು) 11 ಸುದೆಂಗಳಿಗೆ ಭರ್ತಿ ಮಾಡಲು ತರಬೇತಿ ಪಡೆದ ಅಭಿಕರ್ಥಿಗಳು ಇರುವುದಿಲ್ಲ. ಈ ಹುದೆಂಗಳಿಗೆ ತರಬೇತಿ ನಡೆಸಲು ಪಠ್ಯಕ್ರ ಮಗಣಕ್ಕು ಪರಿಷ್ಕರಣೆ ಮಾಡಲು ಕ್ರಮ ಕೈಗೆ ಕ್ಕಲಾಗಿದ್ದು, ಅನಂತರ ಆರ್ಪ ಅಭಿಕರ್ಧಿಗಳನ್ನು ನಿಂಯಮುನವಾದ ಅಂಯ್ಕೆ ಮಾಡಿ ತರಬೇತಿ ನೀಡಿ ಹುದೆಂಗಳನ್ನು ಭರ್ತಿ ಮಾಡಲು ಕೃಮ ಕೈಗೆ ಪರ್ವಾಗಿದ್ದು ಪರ್ವಕ್ಷಗಳು ಪ್ರಮುತ್ತ ಪಡೆದ ಅಭಿಕರ್ಣಗಳನ್ನು ಭರ್ತಿಗಳನ್ನು ನಿಂಯಮುನವಾದ ಅಂಯ್ಕೆ ಮಾಡಿ ತರಬೇತಿ ನೀಡಿ ಹುದೆಂಗಳನ್ನು ಭರ್ತಿ ಮಾಡಲು ಕ್ರಮ ಪ್ರಕರ್ಣಗಳನ್ನು ಭರ್ತಿ ಮಾಡಲು ಕ್ರಮ ಪರ್ವಹಿಸುವಾದ ಆಯ್ಕೆ ಪ್ರಮುತ್ತ ಪ್ರಗುಣಕ್ಕಲಾಗುವುದು.

ಗ್ರೂ ಪ ' ಡಿ · 250 ಹುದೆಂಗಳು ಇಲಾಖೆಂದುಲ್ಲ ಖಾಲ ಇದ್ದು ಸರ್ಕಾರದ ಆದೇಶ ನಂಬೈ:ಡಿಪಿಎಆರ್ 2 ಎಸಎಲೆಸಿ 95 ದಿನಾಂಕ 23–11–95 ರ ಪ್ರಕಾರ ದಿನಾಂಕ 1–7–84 ಮತ್ತು ಅದಕ್ಕಾ ಮೊದಲು ದಿನಗರಾಲ ನೌಕರರಾಗಿ ಸೇರಿ ಸಕ್ಕಮಗೆರಾಂಡ ನೌಕರರಿಂದ ಭರ್ತಿ ಮಾಡಲು ಅಂದು ಇಲ್ಲಾಧಿಕಾರಿಗಳು ಮತ್ತು ಇಲ್ಲಾ ಆರೋಗ್ಯ ಮತ್ತು ಕುಟುಂಬ ಕಲ್ಯಾಣ ಅಧಿಕಾರಿಗಳು ಮತ್ತು ಅಧೀನ ಸಂಸ್ಥೆಗಳ ಮುಖ್ಯಸ್ಥರುಗಳನ್ನು ಕೋರಿದ್ದು ಈಗಾಗಲೇ ಕೆಲವು ಹುದೆಂಗಳು ಭರ್ತಿಂದಾಗಿನೆ.

ಭಾರತೀಂತು ವೈದ್ಯಪದ್ಧತಿಗಳು ನುತ್ತು ಜೋಮಿಂತೋಟತಿ ಇಲಾಖೆಂತು ಕಟ್ಟಡ ನಿರ್ಮಾಣಕ್ಕೆ ಕೆಣ್ಣನ ಅಂತುವ್ಯಂತು ಒದಗಿಸಲು ಸರ್ಕಾರವನ್ನು ಕೆರ್ಲಾರಲಾಗಿದೆ. ಪ್ರಸಕ್ತ 1999—2000 ಸಾಲನಲ್ಲ ರರ್.39 ಲಕ್ಷ ಅಂತುವ್ಯಂತುವನ್ನು ಕಟ್ಟಡಗಳ ನಿರ್ಮಾಣಕ್ಕೆ ಒದಗಿಸಲಾಗಿದೆ. ಈ ಗಾಗಲೇ ಸರ್ಕಾರಿ ಹೆಲ್ಲಾಮಿಂತುಾಪತಿ ವೈದ್ಯಕೀಂತು ಮತಾವಿದ್ಯಾಲಂತು, ಸರ್ಕಾರಿ ಂತು, ಸರ್ಕಾರಿ ಂತುವನಾನಿ ವೈದ್ಯಕೀಂತು ಮಹಾದಿದ್ಯಾಲಂತು ಮತ್ತು ಬೆಂಗಳರಾರಿನ ಮಹಿಳಾ

12) ಭಾರತೀಂತು ವೈದ್ಯಪದ್ಧತಿಗಳು ಮತ್ತು :
ಹೆಲಾಜುಂತುಾಲ್ಪತಿ ಇಲಾಖೆಗೆ ಸಂಬಂಧಿನಿದ ಡ್ರಗ್
ಜೆಸ್ಟಿಂಗ ಲ್ಯಾಬೆ ನಾಗುಾ ಅಸ್ಪತ್ರೆಗಳು ಮತ್ತು
ಕಾಲೇಜುಗಳಿಗೆ ಸ್ವಂತ ಕಟ್ಟಡ ನಿರ್ಮಾಣಕ್ಕೆ
ಹೆಚ್ಚಿನ ಹಣ ಒದಗಿಸುವಂತೆ ಸಮಿತಿಂತು ಶಿಥಾರಸ್ಸು
ಮಾಡುತ್ತದೆ.

ಜಲ್ಲಾ ವುಟ್ಟದಲ್ಲ ಕನಿಷ್ಠ 3 ವರ್ಷಗಳಲ್ಲ ಮತ್ತು ತಾಲ್ಲೂಕು ಮುಟ್ಟದಲ್ಲ ಕತಿಷ್ಠ 5 ವರ್ಷಗಳಲಾಳಗಾಗಿ ಆಂಯುರ್ವೇದ ಆನ್ಪತ್ರೆಗಳಿರುವಂತೆ ಮಾಡಬೇಕೆಂದು ಸಮಿತಿಂದು ಶಿಥಾರನ್ನು ಮಾಡುತ್ತದೆ.

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30) ಎಲ್ಲೆಲ್ಲ ಪುರಾಲಭಾತ ಸಾಲಭ್ಯಗಳು ಇರುವುದೋ ಅಂತಹ ಕಡೆಗಳಲ್ಲ ಆಸ್ಪತ್ರೆಗಳನ್ನು ತೆರೆದು ಪುರಾಲಭಾತ ಸಾಲಭ್ಯಗಳು ಇಲ್ಲದಿರುವ ಆಸ್ಪತ್ರೆಗಳು ಪುತ್ತು ಕಾಲೇಜುಗಳನ್ನು ಅಮಾನ್ಯ ಗೊಳಿಸಬೇಕೆಂದು ಸಮಿತಿಯು ಶಿಥಾರಸ್ಸು ಮಾಡುತ್ತದೆ.

31) ಭಾರತೀಂತರ ವೈದ್ಯಪದ್ಧತಿಂತಲ್ಲ ತಾಲ್ಲಾಕು: ಕೇಂದ್ರಗಳಲ್ಲ ಪಂಶವಾರಂಪ್ಯಾಪಾಗಿ ವೈದ್ಯಪ್ರತ್ತಿ ನಡೆಸುತ್ತಿರುಪಪರನಲ್ನ ಗುರುತಿಸಿ ಅಪರುಗಳನ್ನು ಪ್ರೋತ್ಸಾಪಿಸುವ ಂತೋಜನೆಗಳನ್ನು ಹಾಕಿಕೆರಾಳ್ಳ ಬೇಕೆಂದು ಸಮಿತಿಂತಲು ಶಿಘಾರಸ್ಸು ಪರಾತುತ್ತದೆ.

ಪ್ರಸ್ತುತದಲ್ಲ 9 ಜಿಲ್ಲಾ ಕೇಂದ್ರಗಳಲ್ಲ ಮಾತ್ರ ಅಂಯುರ್ನೇದ ಆಸ್ಪತ್ರೆಗಳಿಲ್ಲ. ಇಲಾಖೆಂದು ಂರ್ರೋಜನೆಂದುಡಿ ಲಭ್ಯವಾಗುವ ಅಂರುವಕ್ಕಂಡುವನ್ನು ಅವಲಂಬಿಸಿ ಅಂಯುರ್ವೇದ ಆಸ್ಪತ್ರೆಗಳಿಲ್ಲಗೆ ಇಲ್ಲಾ ಕೇಂದ್ರಗಳಲ್ಲ ಪ್ರತಿ ವರ್ಷ 1 ಅಥವಾ 2 ರಂತೆ ಇಲ್ಲಾ ಅಂಯುರ್ವೇದ ಆಸ್ಪತ್ರೆಗಳನ್ನು ತೆರೆಂದುಲು ಕ್ರಮ ಕೈಗೊಳ್ಳಲಾಗುವುದು.

ಭಾರತೀಂರು ನೈದ್ಯಪದ್ಧತಿಗಳು ವೈದ್ಯವೃತ್ತಿ ನಡೆಸುವ ನುಾಂದಾಯುತ ನೈದ್ಯರುಗಳಿಗೆ ಪ್ರೋತ್ಸಾಹ್ ನೀಡಲು ಪ್ರತಿ ನರ್ಷ 6 ಜನ. ವೈದ್ಯರಿಗೆ (ಅಂಯುರ್ನೇದ-3, ಂಯುನಾನಿ-1, ಹೆರ್ಯಾಮಿಯರ್ನೀವತ-1, ಂಯೋಗ-1) ಮಾಸಾಶನ ನೀಡಿ ಪ್ರೋತ್ಸಾಹಿಸುವ ಂಯೋಜನೆಂಯನ್ನು ಇಲಾಖೆಂಯು ಈಗಾಗಲೇ ಹಮ್ಮಿಕರಾಂಡಿದೆ.

ลิธ์เรียน ที่จูลอ ก็อวกันลก. ก็อนจัดวา รุทีน ฐนิจิยนลก ผูบนาม สุขัยทางกำตันจุ ಪ್ರಾಣ್ಣ ಪ್ರಾಣ್ಣ ಪ್ರ

(1-1-94 ರಲ್ಲ ಇದ್ದಂತೆ)

ಆಂತು ವರ್ಗ್ನ ವ

ಕ್ರ ವರ ಸಯಕ್ಕ		ತಾಲ್ಲೂಕು	ಕ್ರ ವ ಸಂಖೆ,		ತಾಲ್ಲಾಕು
1		3	_1_	2 2	3
	ಬೆಂಗಳುಾರು ಕ	ರ್ಭಾಗ			
1 •	ಬೆಂಗಳುವರು(ನಗರ) ಜೀ	<u>_</u> :	3.	ಕ್ರೋಗ್ರಾರ:-	
1	ಶಾ ಸಕರ ಭವನ	ಬೆಂಗಳ ೨೦ ರಲ	1 -	ಸೀಸಂದ್ರ	ಕ್ರೋಣರ
2.	ತುಳಸಿ ತೆರಾ೯ಟ	_ ' ' _	2.	ಶಿವಾರಪಟ್ಟಣ	ಮಾಲರಾರು
× 3.	ಬನ್ನ ୧ರ೦ಘಟ್ಟ .		3 ;	ಬಿಕ್ಕ ೨ರುಪತಿ ,	_''_
4.	ನೋ ಮನಪಳ್ಳಿ	ಬೆಂಗಳುಾರು(ದಹಿಣ)	4.	ಸೋಮೇನಕಳ್ಳಿ	ท√ตินว _ี ชั่
5.	ಮಾಜೆರ್ನಾಹಳ್ಳಿ	ಬೆಂಗಳರಾರು(ಉತ್ತರ)	× 5 ·	ಪೆಂಡ ಾ ರು	- ' ' -
6.	೦೨ ಲಹ ೦ಕ	-"-	× 6.	ಸಂತೆಕಲ್ಲಹಳ್ಳಿ	ಚಿಂತಾವರಣ
7.	ಗಂಟಗಾನಹಳ್ಳಿ	_''_	7.	ಸೋಯಂತು ಜಲಾಕ್ಕ	ಶ್ರೀ ನಿವಾಸವುರ
8 •	ರಾಗಿಹಳ್ಳಿ	ಆನೇಕಳ	8.	ಅಂದ್ಲ ಕಲ್	ಮುಳಬಾಗಿಲು

2. <u>ช่วหชาวชา</u>	(ಗ್ರಾಮೀಣ) ಜಲ್ಲೆ:-	4・ <u> </u>	
1 · ಹೆರಾಸರಾರು 2 · ತುಂಬೇನಹಳಿ		1 ∙ ಪರೇಹಳ್ಳ ≱ 2 • ಶೀತಕಲ್ಲು	ฮบสมช <i>า</i> ธยม _ ** _
 3・ oJJOBHT3 ボ 4・ JJOBH まりむ 		3 ಹೆಸಾನ ಗರ 4 ಪರಾಂತುನಂದ್ರ	ಶಿರಾ
5. ថពជ : ಕರ್ನಡಿಹಳ್ಳಿ		5. ಶಿಡ್ಲೇಕಲಾಲಣ * 3. ಬೆಟ್ಟದ್ಯಳ್ಳಿ * 7. ಮಾಡ್ಮಗುಣ	 หมอ _ย
7・ 歯ೆಗ್ಡನೆಹಳ್ಳಿ8・ ಮಾಲ್ಟಗಾಣ	นียุ ฉีสซิจิ สซิจิจ ฉบาทิติ	8. ಜ.ಕಲಾಲಿಡಿಡಳಿಳ 9. ಹರಡಗೆರೆ	_ ' ' _ ' ' _
•		10 ರುಡ್ಡ ನಚಳಿಳ * 11. ಮಾಡ್ಡವುದುರೆ	ಕರಾರಟಗೆರೆ ಕರ್ನಗಳ
		* 12. ಗಂಗನಘಟ್ಟ * 13. ರಾವುಚಂದ್ರವುರ * 14. ಕಂಪಾರಹಳ್ಳಿ	9สผ <i>า</i> งช่ว _ ' ' _ _ '
		¥ 1.4. 53665000	

	1 2	3		1	2	3
×	15. ಕರಾ ನೇಹಳ್ಳಿ	ತಿವಟರಾ ರರ	×	17.	สมสอ	ಸೆರಾರಬ
	16. ಬುರು ಡೇಫಟ್ಟ		×	18.	ವಲಲ್ಲಾಪುರ	_ ' ' _
	17 - ಚನ್ನ ಕೇಶವಪುರ	ವೆಾ ವಗಡ			ಕಾತುವಳ್ಳಿ	
×	18. ದುಾಪ್ಮುತಪುರಿ	_ ((_	*		ಸಾಲರಾರು	३९ क् टळ४५
×	19. ಅರೇವರಲ್ಲೇ ನಡೆಳು	ತ <i>ು</i> ರುವೇ ಕರೆ	×	21.	ಹ್ರೂ ದಲ	_ ' ' _
*	20. ದಬ್ಬೇಫಟ್ಟ	_ ' ' _	×	22.	ಬಸವಾ ನಿ	_''-
*	21 - ಸಕ್ಜ್ನೇಹೆಲಾಸಹಳ್ಳಿ	ವುಧುಗಿರಿ	×	23 .	ಬಾ ವಿಕೈಸರು	
*	22 · non	_ ' ' _		24.	ಕೆಂದಾಳಬೈಲು	_**-
×	23 - ಜಿಕ್ಕದಾಳವಟ್ಟ	- ' ' -	×	25.	ಪರರಷ್ಟ್ರವರನೆ	ಹೆ ಲಾ ಸನಗರ
	24 - ชีช - ชีป - ชีป	ಬಿಕ್ಕನಾಂತರಕನ್ನಳ್ಳ	×	26.	ವಿಜ <u>ಾ</u> ಪ ು ರ	_''-
			×	27.	ತ್ರಿ ಣವೆ	_''_
			×	28 •	น่งของ	ナ''ー
				29.	ದರತಾಳು	_''-
			×	30•	ಹ ಾ ಸರಾರು	ಶಿಕಾರಿವ ು ರ
		1	×	31 •	ಬಿಳಕಿ	_**-
				32.	ಕಡೇನಂದಿಹಳ್ಳಿ	- " -
	5. ಶಿವಮಾಗ್ದ :					
	1 ಕರಾವಲ್ಮನಾಳರ	ಶಿವವೆರಾಗ್ಗ – ' ' –				
	2. 80n					
*	3 ಶಟ್ಟಹಳ್ಳಿ					
×	್ ಚರ್ಾಲರಥಿ	_''_				
×	5 - 2010				ಗೆ . ಚಿತ್ರ ದುರ್ಗ: —	
*	್∙ ತ್ಯಾಜವಳ್ಳಿ 7 - ಉಂಬಳಿಬೈಲು ,	- '		1.	ಅಳಗವಾಡಿ	ಚಿತ್ರಗ ಚಿತ್ರ
,	R . ಅನಶೇರಿ				ಕೆರಾಳಹಾಳು	ಚಿತ್ರ ದುರ್ಗ _ ' ' _
,	9. ಮೈದುಕಲು	ಬರ್ರಾ ನತಿ _ ' ' –	×		ಕರ್ನಾಗುಂಡೆ	
	10. ಹನ್ನುವುಂತಾಪುರ	_ ' ' _	×		ಜಂಪಣ್ಣನಾಂತರ _ಕ ನಕೆರಾ	
	11 . ಸೈದರ—ಕಲ್ಲಹಳ್ಳಿ		+		ಮಾಡ್ಡಿಗನಾಳ - ಮಾಡ್ಡಿಗನಾಳ	_ · · _
	12. กิวฆ์สมอดิ	,,_			ಸೊಂಡೇಕರ	್ಣಿರಿಂತು ಪರಿಂತುಗಾರು
	13. ಅರಳೀಕರಾವೃ	· · _	×		มมหม่าง—รบoป	- ' ' -
×	14. ನೈದುರು	ಸಾಗರ	×		ವರ್ನಾ, ಕಲರಾರಹಳ್ಳಿ	_''_
×	15. wa,	ಸೆರಾರಬ	×		ಬ್ಯಾಡರಹಳ್ಳಿ	_ ' ' _
×	16. ಆಚಾಳ್ಳಿ				0	
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	10.	ಬಂಡೇಬೆ ವರ್ಲಿನಹಳ್ಳಿ	ಹುಾಳಲ್ಕೆರ	1	7 · <u>ದಾವಣಗೆರೆ</u> :—	
	11.	ಗರಾಳಿಹೆರಾ ಸಹಳ್ಳಿ	- " -		1 · ಹರಾ ಸಕಡ್ಲೆ ಬಾಳು	ದಾ ವಣಗೆರೆ
×	12.	ಬಿತ್ರ ಹಳ್ಳಿ	- " -		2. ಹುರಕಟ್ಟೆ	
		ಪ್ರಾಕ್ಷಣಹಳ್ಳಿ	_''-		3 · きっれれつつはればや。	- ! -
	14.	ಹೆಬ್ಬಳ್ಳಿ	ಹೆರಾಸರುರ್ಗ	¥	4・ るびける数や。	
	15.	ಬುಕ್ಕಸಾಗರ	_ ' '		5. ಕಾಡಜ್ಜ	- ' ' -
×	13.	ದೊತ್ತಫಟ್ಟ	_''-		5· ษณย์เบ	_''_
×	17.	ದುಾಡ್ಡ ತೇಕಲವಟ್ಟ			7 • ಹುಬ್ಬವ್ವನಹಳ್ಳಿ	ಜಗಳುಾರು
×	18.	ಆಲಘಟ್ಟ			8 - ಹಾಲವಾಣ	ಸರಿಹರ
×	19.	ಕಂಗುವಳ್ಳಿ		×	9. ฮบบกิสหบอติ	- " -
×	20.	ತ ಂಡಗ	- ' ' -	×	10. ขลุธรายุสว	_''_
×	21.	ನನ್ನಿ ವಾಳ	ಚಳ್ಳ ಕೆರೆ	×	11. ಕದರನಹಳ್ಳಿ	ಚನ್ನು ಗಿರಿ
×	22.	ಫಟಪರ್ತಿ	_''_	×	12 · ವಿಸಲಗರ	_''-
*	23.	<i>ಬೆ</i> ಗರ	_''_	×	13 - ನಲ್ಕು ದರ	_''-
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×	29.	ಚಿಕ ₊ ವುದುರೆ	_ +,+ _	×.	19. ব্যাক্ত, বেজপ্ত	- ' ' -
	30.	ಹುಅಕುಂಟೆ			20 ಕಲವನಹಳ್ಳಿ	
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	32.	ಅ <u>ಬ್</u> ಬೇನಳ್ಳಿ	_''-		22. ಗ್ರೋಪಗ್ರಾಂಡನಹಳ್ಳಿ	
	33.	ದೇವಸಮುದ್ರ .	ಮೇಳಕಾಲ್ಮಾರು		23 - ಮಾರಿಗೆನಾಂಡನಹಳ್ಳಿ	- ' ' -
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		ಸಾಗ್ ಕೈಪ್ರರ	"				

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14 - ದಕ್ಕಿಣ ಕನ್ನಡ

 1・ 24 まいつま 2・ する命のとびいるのが 3・ する命のとびいるのが 	ಪರಿಂಗಳಲಾರು ಬೆಳ್ತಂಗಡಿ _ "–	<u>ಬೆಳಗಾವಿ ವಿಭಾಗ</u>	
4 · 寸 密 ⊼ ವシ ਾ ਰಡ	2 * 3 4 5 6 7 ~ 8	16・ ががれる ・ なってるいってい ・ ないれやとまっか ・ れいとないとか ・ れっとないとか ・ れっとないとか ・ れっとないとか ・ さいさないとか ・ むしまっさ ・ でっされっさ ・ むつままっき	ข้รกาอ ขาสาสมช — "— — ' — ข้ายชมาดกข — " — — ' — ซาดวมขาก"
15 - ಗುಡುಪಿ 1 - ಥಲಮಾರು 2 - ಹೆಲಾಕುರಾರು ಕರ್ಜಿ 3 - ಬಿಳುಬ	10 11 12 70ສົມລໍ 13 - "- 14 - "- 15 17	 ・ おっといった ・ おっという。 ・ おっという。 ・ かっという。 ・ かっというという。 ・ かっというというという。 ・ かっというというというというというできない。 ・ かっというというというというというというというできない。 ・ かっというというというというというというというというというというというというというと	場内のまざりませる一 "一一 "一一 "一

1. ชรุงกิกกับายุง กัสกับ 2. ชับายุงบรับ สกับ 1. ชรุงกิกกับายุง กัสกับ 2. ชับายุงบรับ สกับ 1. ชรุงกิกกับายุง กัสกับ 1. ชับายุงบรับ 1. จับายุงบรับ 1. ชับายุงบรับ 1. ชับวยุงบรับ 1. ชับายุงบรับ 1. ชับายุงบรับ 1. ชับายุงบรับ 1. ชับายุงบรับ 1. ชับายุงบรับ 1. ชับายุงบรับ 1. ชับวยุงบรับ 1. ชับายุงบรับ 1. ชับายุงบรับ 1. ชับายุงบรับ 1. ชับายุงบรับ 1. ชับายุงบรับ 1. ชับวยุงบรับ 1. ชับวยุงบรับ 1. ชับายุงบรับ 1. ชับวยุงบรับ 1. ชับวยุงบรับ 1. ชับายุงบรับ 1. ชับวยุงบรับ 1. ชับวยุง			3	- 1	2	3
	I · 2 · 3 · 4 · 5 · 6 · 7 · 8 · 9 ·	17. สุดชสอส สมอหระหนู ฮ์ตหมอบ สมอหมอบ ซาองมสอร์ ซสมบที่มายุร สัยจูนร์ ซสฟ ซิตมาบา ซีบอกม สมอชีมแล้งอาสู	なっぴっつっぷ ・	1 · 2 · 3 · 3 · 4 · 3 · 3 · 5 · 5 · 5 · 5 · 5 · 5 · 5 · 5	18 - ทศท สรุสอดิกับายุง สวายุมปรบ สก สาสสาข เมายุมบายบ เมายุมบายบ สบรับอย่าง สบระจำ เมายุง สบระจำ สบระจำ	######################################

19. 50 tes

1 - ಬೆಳವಿಗೆ	<u> </u>
2- ಜಿರಾಲಂಖನರ ಸ್ಥಾ	ರಾಣಿಸಿಸ್ಕಾರು
3 ∙ ৯ ৬ ৢ ১ ৯ ৯ ১ ১ ১ ১ ১ ১ ১ ১ ১ ১ ১ ১ ১ ১ ১ ১	<u>ಿರೇಕರುಾರು</u>
4. yand	ಬ್ಯಾಡಗಿ
5・ ねンオオスボタッ	_ "_
್ರ ಹಾವಣ ಗಿ	ಹಾನಗ ಲ್

-	ಅನಗವಾ ಡಿ	 ಬ೯೩೪
11.	ಅರ ಕರೆ	_ "_
12.	ನುನ್ನೀಕೇರಿ	_ "_

3

20 · מצייטס

		1					
	1 -	ಧನ೧೯	ಬಜಾಸುರ				
	2.	ಕಣಬ೨ಾರ೨	- "-				
	3.	ಗುಣದಾಳ	"-				
	4.	<u> ಕ್ಷದ</u> ರಣ್ಯ	ಸಿಂದಗಿ				
	5.	oduentodu	ವುರದ್ದೇ ಬಹ	ಶಿಕ			
	5 ·	ಪಡೇ ಕನ್ನಾರು	- "-		1	22 . mg n xd.n	
	7 ·	กลการ	_ "-			22 · গার্ত ধর্ম	*
	8 .	ಜೇ ವಾರ	ଅଠଞ୍ଜି		1 .	ವುತ್ತಿಫಟ್ಟ	ಶಿರಸಿ
	9.	ಬ್ವನಾಳ	_ "	×		ಬೈರುಂಭ	_ "_
	10.	ว 」วอศี ถึบู ิ ชั่งง	ಬ • ಬಾಗ್ನೇ ವಾಡಿ			ನಿತ್ರ ಜುನಳ್ಳಿ	o೨ುಲ್ಲಾಪ೨ರ
	11 -	รีมอ _น ช	_ "-		4.	พสวะสก	- "-
			1		5.	್ಚುನ ನಿರ್ನಾಹ	ಫ ೂ೯೦ನ <u>ು</u> ತಾ
			*	•	6.	ಜಗಲ ಬೇಟ	_ "_
			×		7.	ಬ · ಕೆ · ಶುಳಿಳ	ಹಳಿಂತರಾಳ
			×		8 .	ನೆಗ _೧ ರಣಿ	ಸಿದ್ಧಾಪ್ರರ
					9.	ರಿಕ್	JIN*A
				1	10 -	<u> </u>	สวาอสนาอยสว
				1	11.	ಗಿ ರೇಬೈಲು	ಶುರಾ ನ್ನಾವರ
		51 · กอบก ลาอ		- 1	13.	ಅಚವೆ-ಕೇಶವಳಿ	ಅಂಕರ್ನಾಲಾ
•		upsed,	ಜನJมora				
		<u> </u>	_ "-				
	3.	ಚಕ್ಕ ವಾಡಗಿ	ましるれっつは				
	4.	ವು ುಾಗನುಾರು	- "-				
	5 •	ಕೆಲವದಿ	ಬಾದಾ ಮಿ	+			
	6 ·	ವಜ್ಜರವುಟ್ಟ <u>ಿ</u>	ವುಬರಭಾಲಕ				
	7 -	ขอผสภาย :	_ "-				
	8 •	ವೆರಬಗರತ್ತ					
	9.	ವಿ೨ರಜ	ವುಬರಭಾಲ್ಗಳ				

1	2	3	1		3
	ಗುಲ್ಬರ್ಗಾ ವಿಭಾಗ				
	23 · <u> </u>			24· <u> ರಾಂ</u> ರುಚು	<u> </u>
i.	ಸಣುಾರು	ที่ บบ _บ ทำย	× 1.	oವುರಗೇರ <u>ಾ</u>	ชางวมชมาชม
5.	ರಾಜಾಸುರ			ぴっ つづいがいってい	_ ~ _ •
	. 被不是是是	ಅನಜಲ್ಪುರ	3.	ಬಾಗಲವಾಡ	ವ ್ ಾನ್ವಿ
	ພບຼຸປົດ	,	4.	ಪಾವುನಕರ್ಲ್ಲಾರು	_ ^ ~
5.	ชย า ก_ฮว	_~ _ ,		್ದ ಬ್ರೇಕಲಪರ್ವಿ	_~ _
	ಫತ ್ತ ರಗಾ -	_~ _		ವುಸ್ಕಿ	ยอกรมกมาชม
7.	ಚೌತಾಪುರ	- " -		ಗರ್ಲಾರಬಾಳು	_ **
8.	ಚಿ ೦ಚನಸ ಾ ರು	೨ ೪೦ದ		ವುಸರಕಲ್ಲು	ದೇವದುರ್ಗ
9.	ವುಾಡಿಂತುಾಳ	×		ದುಾ೯ಡಂಬಳಿಳ	- <u>*</u> -
10.	ಬಡಗಾ -	_ · · _ ,			_ `` _
11 -	สยที่ หือสีรับ	ಚಂಚರಾಕ	11-	ಆಲಕೆರಾ೬ಡ	_ ~ _
15.	ಬಿವ ್ಮ ನಡೆಲಾ cಡ -	_ ~ _			
	ವ <u>್</u> ರಾಕ್ಷಕ್ಷಲ್ಲ	ಸೆ ೮೨೦-			
14	ವ ಾ ಗಕಗಿರಿ				
15.	ಪ ತ್ರಿಕ ರಣಿ	೦೨೨೨ ದಗಿರಿ			
15.	ವುಾಧವಾರ	_ ~ _			
17.	ಆಲಹಳ್ಳಿ	ಚಿತ್ತಾ ಸುರ			
18.	ชนา _น ช	_ ~ '_			
19 -	ವುಂಗಲಗಿ	_ • -		25 357 1	
Ŝΰ.	ಹುಾನಗುಂಟಾ			<u> 25 - ಕೆರಾಪ್ಪಳ</u>	
51.	ತ ು ನನನೆಹಳ್ಳಿ		1 -	ಕಿನ್ನಾಳ	ಕೆ೨ಾಪ್ಪಳ
55.	ರೇವಗಿ	_ ~ _		ಕಾವುನುಾರು	
53.	ช มยุรที่ บ ี	ಜೀವರ್ಗಿ "	3.	oವುಡೆತ್ಕಾ ea	oJJewnF
24.	ಗೌನಹಳ್ಳಿ '	· · · · · · · · · · · · · · · · · · ·	4.	ಬಂಡಿ	
25.	ಹುಾನಗೇರಾ	o3್ರಾದಗಿರಿ [*]		ಹಣವಾಳ	ಗಂಗಾವತಿ
		×		ಆಗೆ ರ್ನಾಲ	
		×		ಚಿಕ್ಕ ನರಾ ದನಾಳ	
		*		ಕುಲಕ್ಕೆ ಕರ್	_ ` ` _
		×		ಗೌರಿಪುರ .	-,,-
		*		ನಂದಿಹಳ್ಳಿ	-,,-
				ವುಲ್ಲಾಪುರ	-,,-
				สมอสเกสอช	-''-
			13 -	ಎಂ • ಗುಡೆದು ಾರು	ಕ್ರಷ್ಟಗಿ

• • • • • 11

27.	ಬಳಕ್ಕಾರಿ

			= 1. mg 000		
			· 1 · वहार मत्रवावच्च		ರ್ಭಿಕಟ
		,	< 2 - ಜ್ರೋಳದರಾಶಿ		_ " _
			× 3 · ವೈ · ಬಾದಿಕಾಳ		_ " _
		,	4 · 03307138		
		Ac.	5 - ಹಂದಿಹಾಳು		- " -
		×	5 · ಕರ್ಲಾಳರಾರರ		- * -
		к	 す。 おおとるごっせい 		-" -
	<u>26 ∙ හැ </u>	×	8 - ವಿಎಂಡೇರಿ		
1.	ವ ಾ ಳೆಗಾಂವ್	සඳ ස ජ	9 ∙ ಸಿದ್ದವ್ಮುನಕ್ಳಿ		- " -
	ಶಿರಕಟ್ಟಿ ಹಳ್ಳಿ	_ " _ ×	10・ はらいけつみと		- " -
	ໝູຊາງວຽງ	ಭಾಲ್ಕ *	11 - ಸಿಂಧವಾಳ		- * -
	ಕ್ರೋನವ್ರೇಳಕುಂದಾ	-"-	12・ 並は・むとひつぶしひ		- " -
	ಹಕಲಸುಾರು	ಬ ಸವ ಕಲ್ಯಾಣ *	13 - ನಾಗರಕಟ್ಟೆ		ಕರಾಡ್ಲಗಿ
	ರಾಜೇಶ್ವರ	*	14. สมายศรรง	1	- " -
	ವುಕಡಬ	×	15 · wode0		- " -
8 -	ಮಿರಕ ್	_ " _	1೧. ಧಲಾಪದಹಳ್ಳಿ		- " -
9.	ನಿರ್ಣಾ	รมงงางขาย	17 - ಬೆಣ್ಣೆಕಲ್ಲ	ō	ช์ಚಬ∙ ธ∀ี่ง
10 -	 	_" _ *	18 - ವಲ್ಲಭಾಪುರ		- " -
11.	ವುರತ್ತಂಗಿ		19. ಹಂನಾವಟ್ಟಣ		-" -
13.	ನೆ೨ಾ೬ನಕಳ	ಾರಾದ [⊁]	20 · ๑๐๕๙๘ฦฦ๗ฦ		- " -
13 -	ದುಾವತ್ತ ಮಹಾಗಾಂವೆ	_ ~ _ *	51. 8.4726 yaga		- · · -
14.	ಸುಂದಾಳ	_ ~ _	23. ananata		-" -
		×	53. Ma OU		ಹಡಗಲ
		×	24 · 50F		- " -
		*	25 · ชมาดยช		-" -
		*	26. ಹ್ಯಾರದ		-"-
		×	27 · ポンフで式であます。		-" -
		*	28 · พสสาดปรุสธริง		- "
		x-	29. ಹಿರೇಮಕ್ಲ ನಕೇರಿ		- " -
		*	30 - ನಾಗ್ತಿ ಬಸಾವುರ		-"-
			31 ಕುಶಾವಲಾರನಹಳ್ಳಿ		- " -
			32 - බට්ක්විම		
			33 · พมมยกบอล		ಸಂಡುಾರು

ight of the contract

	<u> </u>	2	3		2	3
×	34 .	೦೨೮ ಶವಂತನಗರ	ನಂಡುಕು			
~		ಹೊನದರೋಜ	- ' ' -		+	
~		ಗೆರಾಲ್ದ ಅಂಗಮ್ಮನಹಳ್ಳಿ				
>		ಆಂತಾ ಮರ .	_''_			
×	38.	ಪುಣ್ಣಾರು–ಪ್ರಾಗುವಾರು	ಶಿರಗುಪ್ಪ		೦೨೦೨ನಾನಿ	
*	39.	ซียซี ปัจยุชิ	- ')' -		ขอกชาวอง อนุวก:-	
×		a ∙ ಎಂ . ನುಗುಾರು		_	ಬೆಂಗಳ <u>ುಾರು (ನಗರ</u>):—	
~		ಕೆ•ಸುಗರಾರು			ಸಿಟ ಮಾರ್ಕೆಟ್ ಶಾಖೆ	ಬೆಂಗಳರಾರು
+		ಕ. ಬೆಳಗಲ್		2.	ನೀಲನಂದ್ರ	_ ~ _
	43 •	ขยสงคล			ಜಂತುಮಹಲೆ	
*	44.	ತಾಳುಾರು	_''_			
×	45.	ನಡವಿ			ಬೆಂಗಳರಾರು(ಗ್ರಾ ಮೀಣ)	
	45.	ಕುದುದರಹಾಳು	- * * -	1 -	क्रेक्च ् रिक्च	STANDARD .
*	47.	ರಾ ಮನಾಗರ	ಹ ಾ ನಪ್ಪಟೆ	2.	ಶನ್ನ ಪಟ್ಟಣ	ಶನ್ನು ಪಟ್ಟಣ
*	48.	ದಂಪಿ -	-"-	3 •	ಇನ್ಲಾಂಪರಿರ	ส่ยสมอศย
*	19.	ಜಿ • ನಾಗಲಾ ಪರಿರ	- " -			
*	50.	ಬುಕ್ಕಸಾಗರ	-"-			
y	51 •	ದೇ ವನವು ಎದ್ರ	- ' ' -		ಕ್ರೋಲಾರ	
*	52.		- ' ' -	1 -	ಕ್ರೋಟಾರ	ಕ್ಷರಾ೯ಬಾರ
*		ಮೆ <i>ಟ್ರ</i>	- " - "	5.	ಬಿಂತಾವರಣ	ಚಿಂತಾ ವರಿಗ
× .		ಪಾ ಪಿನಾ ೦೦೦್ಕ ನಹಳ್ಳಿ	- ' ' -			
*		ಮಲಪನಗುಡಿ	- ' ' -			*
*		ನಲ್ಲಾ ಪುರ	- ' ' -			
7		ಶ್ರೀರಾ ಮರಂಗಾ ಪುರ	-"-		<u>ತುವುಕರಾರು</u>	
*		ಬೈಲು ಪದ್ಮಿಂಗೇರಿ	_''_	1 -	ಶಿರಾ	ಶಿರಾ
~	59.	ಕಾಕುಬಾಳ	-"-			
*		ಚಲಕನಹಟ್ಟ '	_ **_	1		
*		ಹಂದಾ ದೇ ವನಹಳ್ಳಿ				
*		ನಣ ವರ	_; _		ನ್ನುಸರಾರು ವಿಭಾಗ:-	
		สทับ			<u> </u>	
	51.	ಕಂಪ್ಲ		* B	ದ∙ ಬೆಟ್ಟ ಹ?್ಳ	ಟ - ನರಸೀ ಪುರ
					ಚಾವುರಾಜನಗರ:-	
				1 ·	ನಾಗವಳ್ಳಿ ಜ	ಕಾ ವರ್೦ಾಜನಗರ
				2.	ಕರ್ೂಳಿಪಾಳ್ಯ (ಕರಾತ್ತ್ರಲವಾಡಿ)	- ' ' -
					(808990388)	

	<u>ক্রন্তর :—</u>	1	ಗುಲ್ಬರ್ಗಾ ವಿಭಾಗ .	
× 1-	あしるいける歯や。	ಬೇಲರಾರು 🕆	וויסייעב:-	
× 2· × 3·	ನಾ ರ್ವೆ ಅವ್ಪಗೆ ೨೦ ೦ಡನಹಳ್ಳಿ ಡನ್ನ ರಾ ೦೨ ೦ಪಟ್ಟಣ ಆರ ಕಲಗ ೨೦ ಡು	- ' - ' - ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	 ハンセッイ下:一 1・ バンセッイ下 2・ おせます び 3・ 治せっ おっ むっ む 4・ 必ばれる 5・ かびってや 6・ ざっ パヤ 7・ ひ は ま ぜ 8・ 母っ むっ で いっ 9・ 常 と ゴ ル下 10・ コ っ お な ル 小下 	インセッイド 一・・一 一・・一 一 かっと のないでして はのはいでも はのはいでも はではいでも はではいても はではいないでも はではいないではないないでも はではいないないないないないないないないないないないないないないないないないない
	<u>≾00d</u> 8:-		11. ಕಡೇಪರಾರು	oปวาชกิก *
	ಶ್ರಿ ୧ರಂಗಪಟ್ಟಣ ನಾಗಮಂಗಲ	ಶ್ರೀ ೮೦ಗಪಟ್ಟಣ ನಾಗಪುಂಗಲ	4	
	ಜಿಕ್ಕಮಗಳರಾರು :-		ರಾಂತುಚ್ರಾರು:	
* 1.	ಹೆಲಾ ನಹಳ್ಳಿ (ಪೇಟೆ	ಚಿಕ _ಕ ವುಗಳ ಾ ರು	 ヤロボスショウン ないはみずる。 オライクのラダ ケラ ないないから 	ರಾ ೦೨೨ಚರಾರು - ' ' - ದೇ ವರುರ್ಗ
	ದಕ್ಕಿಣ-ಕನ್ನಡ :-			
1 -	ಬೆಂಗೆರೆ–ಕನಬಾ	ವುಂಗಳುಾರು		
	ಕಿಲ್ವಾಡಿಕೆಂಪುಗುಡ್ಡೆ	_''_		ಗ 21 ಇತಿ ಸಿಂಧನರಾರು
				4
	<u>ಬೆಳಗಾವಿ ವಿಭಾಗ</u> : ಹಾವೇ <u>ರಿ</u> :			
1	- ಕುಾವ್ಬರಸಿ ಕುಾವ್ಬ	ಹಾನಗಳ	<u>ಬೀದರ</u> :- 1 · ದೀದರ 2 · ಗೌರನಷಳ್ಳ 3 · ವೆರಿಥಕರ 4 · ಗರ್ಲೀಡವಾಡಿ	್ಲಿ ಬಾರ್ ಬ್ರಾಪ್ ಬಾರ ಬೇದರೆ ಬೇದರೆ

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ಪ್ರಕೃತಿ ಬಿಕಿತ್ಸೆ ನುತ್ತು ೧ರ್ಮೀಗ:-

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BRIEF NOTE ON THE DEPARTMENT OF INDIAN SYSTEMS OF MEDICINE AND HOMOEOPATHY

BRIEF NOTE ON THE PROGRAMMES OF THE DEPARTMENT OF INDIAN SYSTEMS OF MEDICINE AND HOMOEOPATHY.

Indian Systems of Medicine and Homoeopathy is rendering medical relief to the public in Ayurveda, Unani, Yoga, Nature Cure and Homoeopathy System of Medicines and regulates Medical Education, Drugs Manufacture and practice of medicine in these systems.

There are 93 hospitals, 582 dispensaries and 63 colleges functioning in the state. All the dispensaries and 55 hospitals (40 Taluk Level, 15 Rural) are under the administrative control of Zilla Panchayaths. The remaining hospitals are under the state sector. Out of 63 colleges 58 are private colleges of which 5 are under grant-in-aid. The remaining 5 colleges are Government Colleges.

The budgetory provisions and expenditure of the last three years are as follows:-

1996-97:-

(Runees in lakhs)

			(Itapees I	11 141410)			
Particulars	Noi	ı-Plan		Plan		C.S.S.	-
	B.E.	Expr.	B.E.	Expr.	B.E.	Expr.	
State Sector	1034.15	865.49	140.00	110.95	6.00	6.00	
District Sector	580.85	580.85	343.00	307.62	-	_	
Total	1615.00	1446.34	483.00	418.57	6.00	6.00	

1997-98:-

(Rupees in lakhs)

			(2110)				
Particulars	Nor	ı-Plan		Plan		C.S.S.	
	B.E.	Expr.	B.E.	Expr.	B.E.	Expr.	
State Sector	1196.35	1037.07	150.00	99.05	6.00	2.17	
District Sector	982.27	982.27	311.49	89.89	-	-	
Total	2178.62	2019.34	461.49	188.94	6.00	2.17	

1998-99

(Rupees in lakhs)

Particulars	Nor	n-Plan		Plan		C.S.S.
	B.E.	Expr.	B.E.	Expr.	B.E.	Expr.
State Sector	1266.12	1052.69	200.00	128.69	6.00	4.23
District Sector	1121.93	1121.93	247.41	150.36	-	-
Total	2388.05	2174.62	447.41	279.05	6.00	4.23.

1999-2000:-

(Rupces in lakhs)

Particulars	N	on-Plan		Plan		C.S.S.
	B.E.	Expr.(Oct)	B.E.	Expr(Nov).	B.E.	Expr.(Nov)
State Sector	1513.43	805.81	270.00	143.70	8.00	3.51
District Sector	1318.97	Not available	238.07	118.03		
Total	2832.40	805.81	508.07	261.73	8.00	3.51

The achievements of the last three years are as follows:-

1996-97:-

- 1. A Divisional Office of Indian Systesm of Medicine and Homoeopathy has been sanctioned and functioning at Mysore.
- 2. A 10 beded Homoeopathy wing has been sanctioned and started functioning at Mysore.
- 3. Three Govt. Ayurvedic Dispensaries have been started.

1997-98:-

- 1. A Divisional Office of Indian Systems of Medicine and Homoeopathy has been sanctioned and functioning at Belgaum.
- 2. A 15 beded Govt. Ayurvedic Hospital has been sanctioned and functioning at Raichur.
- 3. The bed strength of Taranath Hospital, Bellary has been increased from 85 to 100.
- 4. A 10 beded Homoeopathy wing has been sanctioned and functioning at Govt. District Ayurvedic Hospital, Shimoga.
- 5. 21 Teaching Posts (Professor:14, Asst.Professor:02, Lecturer:05)have been sanctioned to I.S.M& H.Colleges.
- 6. 5 Taluk Level Hospitals, 43 Dispensaries have been sanctioned and functioning under District Sector Scheme (Z.P)
- 7. P.G. Course under 100% CSS has been sanctioned and started at Bellary.
- 8. Administrative approval has been accorded for the construction of Govt. Unani Medical College with an estimated cost of Rs. 75.00 lakhs.

1998-99:-

1. 126 posts of Physicians have been selected by KPSC and appointed by Government..

- 2. 1 Post of Drugs Inspector(Homoeopathy) has been sanctioned to Directorate of Indian Systems of Medicine and Homoeopathy.
- 3. A Divisional Office of Indian Systesm of Medicine and Homoeopathy sanctioned and functioning at Bangalore and essential staff to Divisional Office, Belgaum have been created.
- 4. The bed strength of Sri.Jayachamarajendra Institute of Indian Medicine (Unani Wing) has been increased from 75 to 100 and a 10 beded Homoeopathy wing has been sanctioned to Govt. Ayurvedic Hospital, Bijapur.
- 5. Two Ladies Hostels have been sanctioned one each at Mysore and Bellary and constructed.
- 6. Essential teaching posts (7 posts) have been sanctioned to ISM&H Colleges

DIFFICULTIES FACED BY THE DEPARTMENT;-

The Department of Indian Systems of Medicine and Homoeopathy was bifurcated from the Health Department during 1972. Consequent on the bifurcation of the department, the developmental activities are on increasing trend. However the budgetory allocation are not sufficient to improve further. At present there are 18 District Level functioning. But there are many places including District Level Hospitals of ISM&H in the State where ISM&H hospitals and dispensaries donot exist. The department is not in a position to start such hospitals and dispensaries due to paucity of funds. In this connection the kind attention is drawn towards the Estimate Committee Report for the year 1998-99 wherein the Committee has suggested to start District Level Hospitals in the remaining districts within three years and Taluk Level Hospitals in all the Taluk places within a period of five years. With a view to implement the suggestions sufficient budget allocation under State and District Sectors is required. In many hospitals bed strength could not be increased due to shortage of funds though demands for such increase is being received.

The department is planing towards establishment of Sanjeevini Vanas at District and Taluk Levels in co-ordination with the forest department. To implement this scheme, sufficient budget provision is required.

Director
Indian Systems of Medicine
and Homoeopathy.

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KARNATAKA DEVELOPMENT PROGRAMME

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QUALITY ASSURANCE SYSTEM OVER DRUGS IN THE STATE OF KARNATAKA

Quality Control over Drugs in the State is exercised through the implementation of Drugs & Cosmetics Act & Rules there under.

Drugs & Cosmetics Act and Rules there under is a Central legislation and the responsibility of implementation wrests with the respective State Governments. The mechanism of control is in the form of:

- 1. Licensing of manufacturing and sales establishments.
- 2. Pre conditions for the grant of license and conditions of license.
- 3. Periodic inspection of all licensed establishments and sampling of drugs by Drugs Inspectors.

LICENSING OF MANUFACTURING AND SALES ESTABLISHMENTS.

Manufactures of Drugs and Dealers in drugs have to obtain license by fulfilling the pre conditions stipulated.

PRE CONDITIONS FOR THE GRANT OF LICENSE:

The Rules have been framed to ensure that quality is built in from the initial stage of manufacturing activity. The salient requirements to be eligible for grant of license for manufacture is construction of manufacturing facility as per Good Manufacturing Practices requirements, employment of competent technical staff possessing technical qualification and experience to supervise production and quality control activity and necessary infra-structure in the form of segregation of different activity, equipment and other facilities required during manufacture and laboratory for test and analysis.

CONDITIONS OF LICENSE:

The conditions in the form of mandatory Rules have been framed so that the manufacturer assumes responsibility for the quality. Thus, every raw material, whether active or inactive ingredient, must be subjected to analysis, various in-process control tests are applied during different stages of manufacture and the finished products are subjected to specified tests and analysis. Every stage of activity has to be documented and these documents have to be preserved and are open for inspection by the Officers of the Drugs Control Department.

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PERIODIC INSPECTION AND SAMPLING BY DRUGS INSPECTORS

Under the Drugs & Cosmetics Act and Rules there under, four functionaries have been identified. They are 1) Drugs Inspectors, 2) Government Analysts, 3) Licensing authority and 4) Controlling Authority. Specific qualifications and experience have been stipulated for appointment to these posts so that only persons with technical background and experience hold these posts.

The drugs inspectors are expected to inspect all licensed premises in their jurisdiction not less than twice a year and draw samples of Drugs and Cosmetics for Test and Analysis.

The Government analysts have been vested with the responsibility of analysing the samples sent by the Drugs Inspectors and issue reports thereof on the quality of drugs.

The licensing authorities discharge the duties of licensing of manufacturing establishments and sales establishments upon ascertaining that the conditions for the grant of licenses have been fulfilled. They are also vested with the power of cancellation of licenses or suspension of licenses for a period as deemed fit for violations of conditions of other provisions of Act and Rules.

The controlling authority is the authority to whom all inspectors appointed are subordinate and inspectors have to carry over the instructions of controlling authority in the discharge of their day today work.

DRUGS CONTROL ADMINISTRATION IN THE STATE OF KARNATAKA

Drugs Control Department in Karnataka is functioning as an independent department since 1962 under Health and Family Welfare Department. To enforce the provisions of Drugs and Cosmetics Act and rules there under, Enforcement Wing consisting of inspectors and supervisory officers namely Assistant Drugs Controllers, Deputy Drugs Controllers and Additional Drugs Controller are functioning. Drugs Controller is the head of the Department. The inspectors undertake inspections and draw samples from manufacturing and sales establishments and hospitals.

Licensing of manufacturing establishments is looked after by the head office located at Bangalore and the Drugs Controller is the licensing authority. For licensing of sales establishments, fifteen circles have been identified in the state and the Assistant Drugs Controllers functioning in these circles have been notified as licensing authorities. In every District an inspector has been posted.

For the purpose of test and analysis of samples drawn by the Drugs Inspectors, an independent Laboratory namely Drugs Testing Laboratory located to the department has been established and seven Government analysts have been appointed and they are engaged in test and analysis assisted by other technical staff of the Laboratory.

Drugs Controller is the controlling authority for all the inspectors.

BLOOD BANK AND INTELLIGENCE WING

Recently, a separate wing called Blood Bank and Intelligence Wing has been established in the department, located at four places namely Bangalore, Mysore, Hubli and Gulbarga to undertake auditing of Blood Banks and to keep surveillance over spurious, adulterated and substandard quality drugs.

SUCCESS AND DIFFICULTIES IN IMPLEMENTATION OF QUALITY ASSURANCE OVER DRUGS.

Karnataka State has been regarded as a model state for Drugs Control Administration in the Country, Counterfeit and substandard drugs is not a problem in the State.

The major constraint encountered by the department is inadequate inspectorate staff and laboratory staff. As per the Statutory requirement, an inspector is expected to inspect all the licensed establishments in his jurisdiction at least twice a year and also draw samples. It has not been possible to adhere to this requirement due to inadequate inspectorate staff. The Task Force constituted by Government of India to suggest measures for satisfactory enforcement of Drugs & Cosmetics Act and Rules there under has recommended that there shall be one inspector for every 100 sales establishments and one inspector for every 25 manufacturing units. In the State of Karnataka there are about 12,800 sales establishments and 732 manufacturing units (including loan licenses and Blood Banks). As such, at least 158 inspectors are necessary, but the sanctioned strength is only 56, of which 8 posts are vacant. Therefore, there is an urgent need to increase the inspectorate staff.

Due to the revolution in information technology, enforcement officers are required to act very swiftly so that delay in their movement will result in removing the spurious or counterfeit drugs and they will go unpunished. It is very important to provide vehicles for the movement of the officers. In this regard it is suggested to consider giving standing permission to hire vehicles in case of need by the drugs inspectorate staff.

read 150 enspectors, 47 only in past.

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The capacity of Drugs Testing Laboratory in terms of number of samples that can be analysed in a year is around 1800. When compared to the turn over of drugs in the state, this capacity is not adequate and the capacity has to be increased to analyse at least 5000 samples in a year. The Drugs Testing Laboratory is totally inadequate in terms of the infrastructure facilities like equipments and consumables (glasswares, chemicals and reference standards). The Drugs Testing Laboratory also lacks in qualified technical staff to analyse the samples, as new drugs are introduced. With the introduction of new dosage forms and on the signing of the W.T.O. importing drugs will be the order of the day, to keep pace with these challenges, highly qualified technical staff has to be attracted with higher pay scales to meet the challenges of counterfeiting in the drugs. A time bound programme has to be implemented for removing obsolete. unserviceable equipments in the Drugs Testing Laboratory. It is also pertinent to note that all the electronic equipments and other smaller equipments required for day to day work are maintained by annual maintenance contracts. As otherwise very precious manpower will be lost in the case of brake down of equipments.

For this purpose, the facilities at the laboratory in terms of infra structure and technical staff has to be augmented

The budget allocation towards sampling and traveling allowances and office expenses is inadequate and needs to be augmented.

Statistics pertaining to enforcement wing and Drugs Testing Laboratory is furnished in the Annexure.

GOVERNMENT COLLEGE OF PHARMACY

The only Government College which is imparting Pharmacy Education in the State is under the administrative control of Drugs Control Department. The Government College of Pharmacy was established in 1963 and the facilities are totally inadequate and the college is facing de-recognition from the various bodies. Pharmacy Council of India/AICTE has been insisting implementation of pay scales for the teaching staff. Due to the delay in implementation of the AICTE pay scales Pharmacy Council of India has asked to stop the admission of students for the D.Pharma course for the academic course.

Government College of Pharmacy is receiving 100% central assistance for conducting the post-graduate course from AICTE. The college is required to obtain acredition certificate from AICTE for the year 1999-2000. Due to the improper infrastructure facilities in terms of building, equipments and teaching staff, it is likely that the AICTE may not give acredition certificate to Government College of Pharmacy. The vacant posts of teaching staff could not be filled, as the C & R rules has not been finalized since 1992. In the event of failure to get the acredition certificate from AICTE the assistance for post-graduate education from AICTE will get automatically cancelled. It is requested that atmost

importance should be given for augmenting the facilities of Government College of Pharmacy on war footing.

The construction of the fourth floor of Government college of Pharmacy is not under progress. For want of proper budgetary allocation the work is delayed. An additional allocation of Rs.75.00 lakhs is required for completion of the building with necessary infrastructure facilities for the year 2000-2001.

Brief note on the National Human Rights Commission recommendation

National Human Rights Commission in its order dated 31st March 1999 has recommended that the steps to be taken for the effective implementation of quality assurance programme. It is requested that unless the necessary infrastructure facilities are made available to the department it may be very difficult to fulfill the recommendations of NHRC (as per *annexure*).

Data Task Force

BRIEF NOTE ON THE PERFORMANCE OF THE ENFORCEMENT WING

Particulars	1996-97	1997-98	1998-99
Number of manufacturers in the State			
(a) Allopathic Drugs(including Blood Banks)	567	570	657
(b) Cosmetics	69	70	75
Total number of sales premises in the State	11622	11611	12747
NUMBER OF INSPECTIONS CARRIED OUT			
Sales premises	11709	12226	14053
Manufacturing premises	348	390	290
Hospital Stores attached to Govt. Hospital	102	104	57
Cancellation	777	736	406
Suspensions	138	150	67
Prosecutions launched under both Drugs and			
Cosmetics Act and Drugs (Prices Control)	26	20	39
Order.			
Convictions	06	04	01

DETAILS OF SAMPLES ANALYSED

Sl.No.	Particulars	1996-97	1997-98	1998-99
1.	Samples Analysed	1764	1603	1800
2.	Samples found to be standard quality	1538	1414	1529
. 3.	Samples found to be not of std.quality	209	171	175
	Karnataka State	28	37	14
	2. Other States	181	134	161

NATIONAL HUMAN RIGHTS COMMISSION SARDAR PATEL BHAVAN NEW DELHI

Case No.778/96-97/NHRC

Name of the Complainant:

Indus Hospital Shimla

Referred by the Himachal Pradesh State Human Rights

Commission, Shimla

Case No.158/6/96-97/NHRC

Name of the Complainant:

Suo Motu cognizance of the Press

Clipping in the 'Indian Express'

dated 9.9.1997

CORAM:

JUSTICE SRI M.N VENKATACHALIAH, CHAIRPERSON JUSTICE SRI V.S. MALIMATH, MEMBER SRI VIRENDRA DAYAL, MEMBER

8.0 BROAD FINDINGS AND RECOMMENDATIONS

8.1 General

- (1) Fungal contamination in IV tluids is a serious health risk. Glucose/nutrients in the fluid provide an excellent medium for microbial growth. Fungal contamination can occur through contaminated ingredients during manufacture, or cracks/leakage of faulty containers during transportation and/or storage. Gross fungal contamination can be detected by visual observation as suspended, white to blackish, cotton-like matter. A Cautionary labelling regulation provides for the hospital staff to visually inspect and examine the IV fluids before administration to patients. It goes to the credit of the hospital staff at the Indus Hospital in Shimla and the Ram Manohar Lohia (RML) Hospital in Delhi to have spotted the fungal contamination before administering the defective IV fluids to patients.
- . (2) The purpose of the present investigation has been to examine: (a) critical steps during manufacture, transportation or storage of LVPs upto the stage of administration to patients vulnerable to fungal contamination; (b) to identify the possible cause(s) or failures which lead to the observed contamination; (c) suggest checks/counter-checks/measures to minimize. if not to completely eliminate, occurrence of such lapses, and (d) in case it still happens and complaint is received, suggest reporting system which must be in place to minimize consequences and to prevent recurrence of such happenings.
- (3) Unfortunately there is no reliable mechanism for obtaining a feed back on the magnitude of the fungus problem in TV fluids in India. Though fungal contamination in IV fluids is a serious health risk, neither the manufacturer, or the regulatory authorities or hospitals have adequate record-keeping which could indicate the extent of the problems. Rather a certain percentage of defectives due to fungal contaminated bottles is taken as an acceptable norm. This mindset needs a change. We must aim for zero-defective batches. Fungus infested LVP is not common any were in the developed countries. As per the Gold Sheets, in the USA no recall of LVPs took place after early 70's. Similarly, Australia has not recorded such recall after the early 90's.

8.2 Core Healthcare Limited

- (1) Core Healthcare's manufacturing operations are located at two separate spacious sites, Sachana and Rajpur near Ahmedabad.
- (2) Core Healthcare manufactures IV products by the world-class Rommelag technique of Blow-Fill-Seal technology. As per the Company, manufacturing processes are validated for aseptic filtration prior to filling, sterilization of the Blow-Fill-Sealed containers and leak testing of filled containers

However, fungal contamination as reported has occurred very likely during storage, transportation, due to defective containers and/or damage incurred. The manufacturer does not have a proper system of monitoring the quality of the product particularly from the angle of contamination after the product leaves the manufacturing plant. The Batch Production Records of the manufacturer invariably show no evidence of damaged stocks. Further, the informal free replacement of defective stocks by the Company's field staff has under-played the problem as no records of such transactions are made available. In fact, in the absence of data on defectives, it seems that the extent of this problem is under-reported.

- A. (a) Sachana and Rajpur plants have different levels of practices; while Sachana plant is state-of-the art, Rajpur plant is older and has inherent drawbacks of design
 - (b) Containers with weak neck could have cracked during transportation and storage creating leakage
 - (c) Weak secondary packing of corrugated shippers could have further aggravated the problem especially when stacking was higher than desirable height which could have damaged the containers due to heavy weight
 - (d) Manufacturer's warehousing facilities in Delhi, are shoddy and not rodent-free; rodent can damage shippers which can damage containers
- B. (e) The batch records contain information related to manufacturing. But the records on market complaints, distribution, quarantined or recalled batches at company's warehouses is not easily accessible
 - (g) Lack of system in attending to complaints from hospitals and lack of ownership for removal of rejected goods from the hospital stores
 - (h) Important processes like sterile aseptic filling with broth fill and container suitability are not validated regularly
- (4) There is an immediate need for the manufacturers to take up improvement of system involved in the management of quality of LVPs as a major project and bring about improvement results in the shortest possible time-frame so as to make LVPs a defect-free product. Blow-Fill-Seal equipment is a purpose-built machine that contains an extrusion, moulding, filling and sealing station to produce product under aseptic conditions. As with any machinery, function is directly related to training and the validation exercises required to establish the operating limits of this machinery. In reviewing this issue there are several areas of manufacturing and validation that should

be examined: extrusion process, cycle time, MDPE plastic granules, and sterilization.

The manufacturer must aim at getting a defect-free product during the entire supply chain management including manufacture, transportation and storage on the lines of the Six Sigma programme adopted by the electronics industry. Six Sigma is a standard of quality which has only 3.4 defects per million opportunities for error. The quality improvement within manufacturing of LVPs can be achieved by using tools and technology for high speed repetitive process of Blow-Fill-Seal technology.

The manufacturer must benchmark to international standards to raise standards of quality. It is not just the manufacturing process which is important. It involves the whole culture and attitude towards every function in the supply chain. Benchmarking involves finding the best-in-class for any world-standard. To institutionalize this culture, an extensive training programme must become the central focus.

Present mindset of LVP manufacturers is to measure defect in terms of percentage		LVP manufacturers need to move towards perfection	
defects per million		defects per million	
1% = 10.000	>	6 Sigma = 3.4	
2% = 20,000	→	5 Sigma = 233	
3% = 30,000	→	4 Sigma = 6200	
4% = 40,000	→	3 Sigma = 66.803	
5% = 50,000	→	2 Sigma = 308,733	
6% = 60.000	→	1 Sigma = 697.700	

Industry must change mindset of measuring defects from percentages to Sigma levels.

It is well recognised that the fungal contamination in plastic containers develops due to microleaks. Therefore, select critical materials/processes which affect the integrity of the container during manufacture, transportation and storage and require special attention are:

- (a) Material of construction, weight, size, shape of container
- (b) Sterilization cycle
- (c) Leak test in during production and also during storage