To Evaluate the Functioning of District Early Intervention Centre Established Under Rashtriya Bal Swasthya Karyakaram

By

Rishika Chhabra

Dissertation submitted for the partial fulfillment of the

MBA Hospital and Health Management

Academic year, 2015-2017

The IIHMR University, Jaipur

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INSTITUTE OF HEALTH
MANAGEMENT RESEARCH
(WHO Collaborating Centre for District Health System Based on Primary Health Care)

IIHMR UNIVERSITY

TO WHOMSOEVER MAY CONCERN

This is to certify that Dr. Rishika Chhabra student of MBA Hospital and Health Management from The IIHMR University, Jaipur has undergone internship training at National Health Mission, Madhya Pradesh from 6-02-2017 to 5-05-2017.

The Candidate has successfully carried out the study designated to her during internship training and her approach to the study has been sincere, scientific and analytical.
The Internship is in fulfillment of the course requirements.

I wish her all success in all ~~his~~ her future endeavors.

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NATIONAL HEALTH MISSION

MADHYA PRADESH

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S.NO./NHM/HR/DEIC/2017/17080 Date 05/05/2017

This is to certify that Dr Rishika Chhabra has successfully completed her Internship in " Rashtriya Bal Swasthya Karyakaram". She has successfully completed her Project on "To Evaluate the Functioning Of District Early Intervention Centre established under Rashtriya Bal Swasthya Karyakaram".

We wish her all the best for her future endeavors.

Training & Development

Head Human Resource

THE IIHMR UNIVERSITY, JAIPUR

CERTIFICATE BY SCHOLAR

This is to certify that the dissertation titled To Evaluate the functioning of District Early Intervention Centre under Rashtriya Bal Swasthya Karyakaram and submitted by Dr. Rishika Chhabra Enrollment No. IIHMR-U/01/2013-15/0085 under the supervision of Prof. Anoop Khanna for award of MBA in Hospital and Health Management of the University carried out during the period from 06-02-2017 to 05-05-2017 embodies my original work and has not formed the basis for the award of any degree, diploma associate ship, fellowship, titles in this or any other institute or other similar institution of higher learning.

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CERTIFICATE BY SCHOLAR

This is to certify that all ethical issues have been considered while collecting data for my dissertation titled To Evaluate the Functioning Of District Early Intervention Centre established under Rashtriya Bal Swasthya Karyakaram.

Rhabra

Signature of student

Acknowledgement

I look back & remember the sacrifice made by my parents to mould me into the person I am today.

I am thankful to Dr. Prabhakar Tiwari and Dr. Ramheet for making me placed in NHM MP so that I will get exposure to the Health Systems.

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Last but not the least; I am thankful to all those who helped me in one way or the other in successful completion of my study.

Acronyms / Abbreviation

NUHM-National Urban Health Mission

RBSK-Rashtriya Bal Swasthya Karyakaram

DEIC-District Early Intervention Centre

ECHO-Echocardiography

CHD-Congenital Heart Disease

CMHO-Chief medical and Health Officer

NSSO-National Sample Survey Organization

MHTs-Mobile Health Teams

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To Evaluate the Functioning Of District Early Intervention Centre established under Rashtriya Bal Swasthya Karyakaram

Dr. Rishika Chhabra

Abstract

Background: RBSK focuses on catching children young of any ailment (this particular ailment is life-risking) and DEIC promptly responds and manages all issues related 4Ds.

Objective: To analyze the gaps related to infrastructure, staff and equipments as per DEIC Operational Guidelines.

To determine the job experience and satisfaction level of employees working in DEIC Indore**.**

Materials and Methods: A Porforma for facility survey for District Early Intervention Centre, Indore on the basis of DEIC Operational Guidelines was prepared to determine the status of infrastructure, staffing and Equipments. Face to face discussions and record review was administered to sought information on equipments. A Semi Structured Questionnaire was prepared to determine the job satisfaction and experience of employees working in District Early Intervention Centre.

Result: The results determines that the manpower present in DEIC is not sufficient and the equipments present in DEIC are not available properly. The physical infrastructure have some gaps related to cleanliness, availability of display boards, laboratory facility absent, water supply, sewerage disposal and Waste disposal. DEIC Indore is lagging in manpower, equipments and physical infrastructure.

Conclusion-DEIC of Indore district is deficient in staff, equipments and infrastructure. The physical infrastructure of DEIC includes loopholes in maintenance of DEIC i.e. cleanliness, sewerage, water supply etc. Based on job experience and satisfaction most of the employees think that they get help and support from their colleagues as well as from seniors and higher authorities whenever needed. The employees of DEIC facing problem in performing their job.

Recommendations-Based on the observations made, the following are the recommendations of the present study:

The recruitment of drop out and vacant staff posts to be filled at the earliest of district early intervention centre.

There should be a provision of availability of equipments and infrastructure gaps as per requirement must be fulfilled.

The employees must get sufficient help from their colleagues, seniors and higher authorities so that they get motivated and satisfied from their job.

The employees are facing problem related in DEIC which must be solved as soon as possible so that proper functioning of DEIC must be there.

Keywords-DEIC,RBSK,4D's

NATIONAL HEALTH MISSION, MADHYA PRADESH

The Hon'ble Prime Minister launched National Rural Health Mission on 12th April 2005 who's aim is to provide accessible, affordable and quality health care to the vulnerable groups.

Vision

The vision of the State includes to empower the people with knowledge and skills required to keep them healthy and equity in access to effective and affordable health care.

Background of RBSK

Rashtriya Bal Swasthya Karyakram is committed to improve survival outcome in children between the age group of 0-18 years through screening, early identification and management .

The initial step of deputing trained Mobile Health Teams for screening of children under Rashtriya Bal Swasthya Karkyakram (RBSK) has been treated well by the Madhya Pradesh. For accelerated implementation of the programme there must be preliminary findings, referral support and treatment of screened children for which early intervention centres. DEIC is the hub of all activities and provide referral linkages.

RBSK New Scheme

The programme has new feature of ECHO diagnosis facility at DEIC/ district level for heart patients. As per 1% occurrence of Congenital Heart Disease children in Madhya Pradesh out of 0.1% of screened children that need surgical corrections, the total number of CHD patients turn out to be 295 i.e. rounded off

to 300 patients every year. In Madhya Pradesh, currently ECHO test is not done at Government district hospitals and thus these CHD patients have to bear out of pocket expenses for diagnosis test of ECHO by means of private diagnostic centres.

Since, RBSK focuses on catching children young of any ailment (this particular ailment is life-risking) thus the ECHO Test facility is been offered to them free of cost under RBSK, it become beneficial for these rural population poor families to get proper treatment. The cost of test i.e. Rs 2000 would be paid to private diagnostic centres by District CMHO on case to case basis on supplying of bills of test by the diagnostic centre. As this facility is currently unavailable at District Hospitals at Madhya Pradesh, so in existing scenario too, this test is done by outsourcing services of private diagnostic centres but patient bears the cost. To reduce that out of pocket burden of patients (0-18 Years), this activity is proposed at DEIC centres. The patient would come to DEIC and diagnostic test would be facilitated by DEIC Manager for the patient by outsourcing it to Private Diagnostic Centres at District.

INTRODUCTION

In India there is a need for a healthy and dynamic future to create a developed society. Equitable healthcare of child with early detection and treatment can be the most important initiative.Health screening of children is most important intervention under the School Health Programme. It covers all the target age group of children.

In India there are 1.7 million birth defects annually and would account for 9.6 per cent of all newborn deaths[1].10 percent of children are affected by Developmental delay. If these delays are not treated in time than they may lead to permanent disabilities.

The importance of DEIC is to provide treatment to children who are detected with health conditions. Developmental impairment is a common problem that occurs in approximately 10% of the childhood population. According to NSSO the total number of disabled population in India is approximately 1.85 crores (NSSO 2002).

DEIC established with the aim is to have more accessible health facilities with infrastructure and resources for interdisciplinary evaluation and interventions to be delivered under one roof.

The team composition at the DEIC[6] is as follows:

Professionals	Numbers
Medical Officer	1
Pediatrician	1
Dental Doctor	1
Physiotherapist	1
Audiologist & Speech Therapist	1
Psychologist	1
Optometrist	1
Early Interventionist cum Special Educator cum Social Worker	1
Lab Technician	1
Dental Technician	1
Manager	1

REVIEW OF LITERATURE

- Observational Check List according to norms used for assessment of facilities, staffing pattern. DEIC of Indore and Ujjain district were running in same building of district hospital and not having any infrastructure according to norms of RBSK. In terms of staffing DEIC Indore, Pediatrician, Dentist, Physiotherapist, lab and dental technician were available while in DEIC Ujjain, Dentist, Physiotherapist, optometrist, manager, data entry operator, lab and dental technician were available. In Ujjain, Pediatrician and Medical officer were not posted. Among all referred cases to various facility 10.24% were referred to DEIC while in Ujjain 20.1% were referred to DEIC among all the referred cases 5.2% and 6.01% reached the DEIC Indore and Ujjain respectively. There was a deficiency of staff and infrastructure in DEICs of both Indore and Ujjain. There was lack of proper referral system between MHTs and DEICs in both the districts thus affecting the rendition of services to beneficiaries under RBSK program[4].

RATIONALE

Developmental impairment is a common problem in children health that occurs in approximately 10% of the childhood population and even more among “at risk” children discharged from the sick newborn care unit. The medical colleges have EYE, ENT, Psychiatry, Physical medicine departments but neither the instruments nor the training of the specialist are available to address the problems of the most critical period of child development.The paramedical staffs like Optometrist, Audiologist, Clinical Psychologist, and Physiotherapist are not trained to handle the children from birth to 6 years in a comprehensive way.

The adverse effect of failing in early identification and early intervention can lead to irreversible developmental damage.

At this point of time, when India is making sincere efforts to strengthen Health Systems for Publicly provided care our aim is to have more accessible health facilities with infrastructure and resources for interdisciplinary evaluation and interventions to be delivered under one roof. The need of the hour is to bring together trained professionals from different disciplines, who had been working in silos so far, in the intervention setting to learn from one another in meeting the needs of the children. A pool of resource professionals and trained manpower with relevant courses for Early Intervention an acute need to establish a center at the district level with age appropriate and domain specific equipment’s and with specific trained domain specialists such as Dentist, Optometrist, Audiologist, Psychologist, Physiotherapist etc. Such a center would act as the apex center of the district. DEIC aim is to have more accessible health facilities with infrastructure and resources for interdisciplinary evaluation and interventions to be delivered under one roof. The DEIC is the hub of all activities to provide referral linkages.

Statement of Problem

The gaps related to infrastructure, staffing and equipments and job experience and satisfaction of the employees in District Early intervention centre, Indore.

Research Question

What is the current status of infrastructure, staff and equipments of District Early Intervention Centre in Indore district of Madhya Pradesh?

Objectives

- To analyze the gaps related to infrastructure, staff and equipments as per DEIC Operational Guidelines.
- To determine the job experience and satisfaction level of employees working in DEIC Indore**.**

Operational Definitions

- **DEIC:** District Early Intervention Centers (DEIC) provide referral linkage and treatment to children which are detected with 30 health conditions. It aims at early detection and management to minimize disabilities among growing children.

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RESEARCH METHODOLOGY

MATERIAL AND METHODS

- **STUDY DESIGN:** The design of the study is Cross sectional observational to assess the gaps related to infrastructure, staff and equipments in district early intervention centre.
- The total duration of study was for three months February to May 2017.
- A detailed discussion with the employees, Observation and record review shows the current status of infrastructure, staff and equipments in District early intervention centre.
- A Semi Structured Questionnaire was prepared to determine the job satisfaction of employees working in District Early Intervention Centre.

TYPE OF STUDY

- The type of study is Qualitative Cross sectional and Observational Study. Qualitative study is unstructured form of data collection and is reserved typically for use in social sciences. Collected data is more focused on observable qualities as opposed to numbers. Research is typically conducted using a smaller number of participants as the investigation is usually a lot more detail oriented.

METHOD

- A Porforma for facility survey for District Early Intervention Centre, Indore on the basis of DEIC Operational Guidelines was prepared to determine the status of infrastructure, staffing and Equipments.
- Face to face discussions and record review was administered to sought information on equipments.
- Observation tells about the status of infrastructure and staffing of DEIC as per DEIC Operational Guidelines.
- A Semi Structured Questionnaire was prepared to determine the job satisfaction of employees working in District Early Intervention Centre.
- The questionnaire was designed to be voluntary and completely confidential for those who decided to take part.

STUDY AREA

Area of Chandan Nagar in Indore city covering the employees of District Early Intervention Centre.

STUDY POPULATION

All the Eight employees working in District Early Intervention Centre.

TOOLS FOR DATA COLLECTION

DEIC guidelines for Early Intervention is to be used as reference keeping of the resources with standards such as manpower, infrastructure, equipments and other services etc. available at DEIC. Porforma for facility survey of District Early Intervention Centre according to DEIC Operational Guidelines used for assessment of infrastructure, equipments and staffing pattern is used and a semi structured questionnaire used for determine the job satisfaction of the employees.

METHODS OF DATA COLLECTION

The data was collected from the record review and discussion with the employees. A Semi structured Questionnaire used for determining the job satisfaction of employees working in DEIC. Verbal permission was taken from the concerned authority before the data collection.

DATA ANALYSIS

The collected data from the observation, record review and discussion from the employees were evaluated and presented in the form of tables and figures in accordance to the purpose of the study. It is a study on the gaps related to physical infrastructure, manpower and equipments in DEIC and also about the experience and job satisfaction of the employees working in DEIC Indore.

RESULTS

There is lack of availability of regular and visiting staff in DEIC as well as equipments. The physical infrastructure of DEIC includes loopholes in maintenance of DEIC i.e. cleanliness, sewerage, water supply etc.The job experience and satisfaction level.

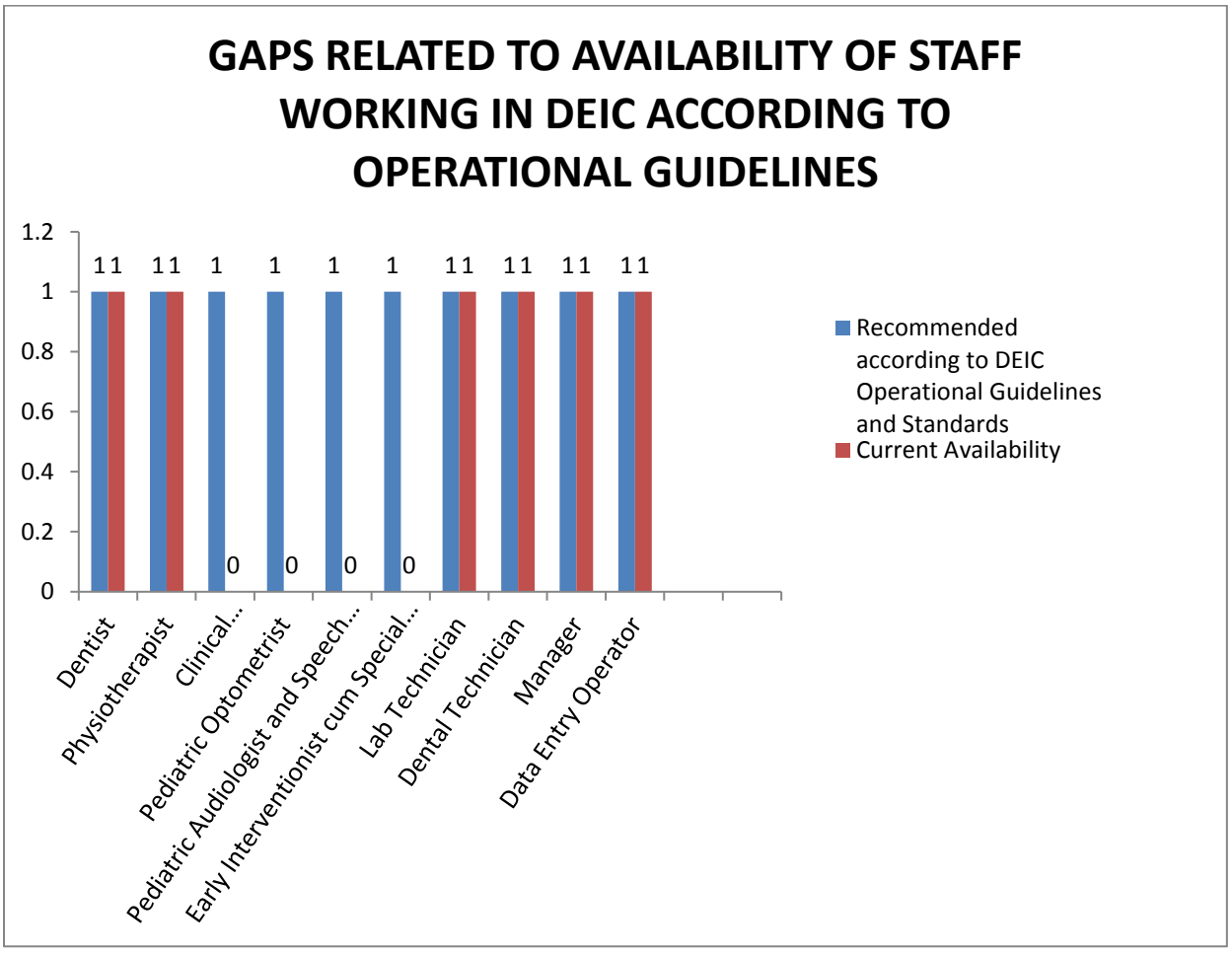

Figure1. Gaps related to availability of staff working in DEIC according to operational guidelines.

Interpretation- According to the observation based on DEIC Operational guidelines it is observed that there must be total ten employees working in DEIC as regular staff but only six employees are working as the recruitment of left staff is pending by the state. The requirement of the employees send to the state for further process.

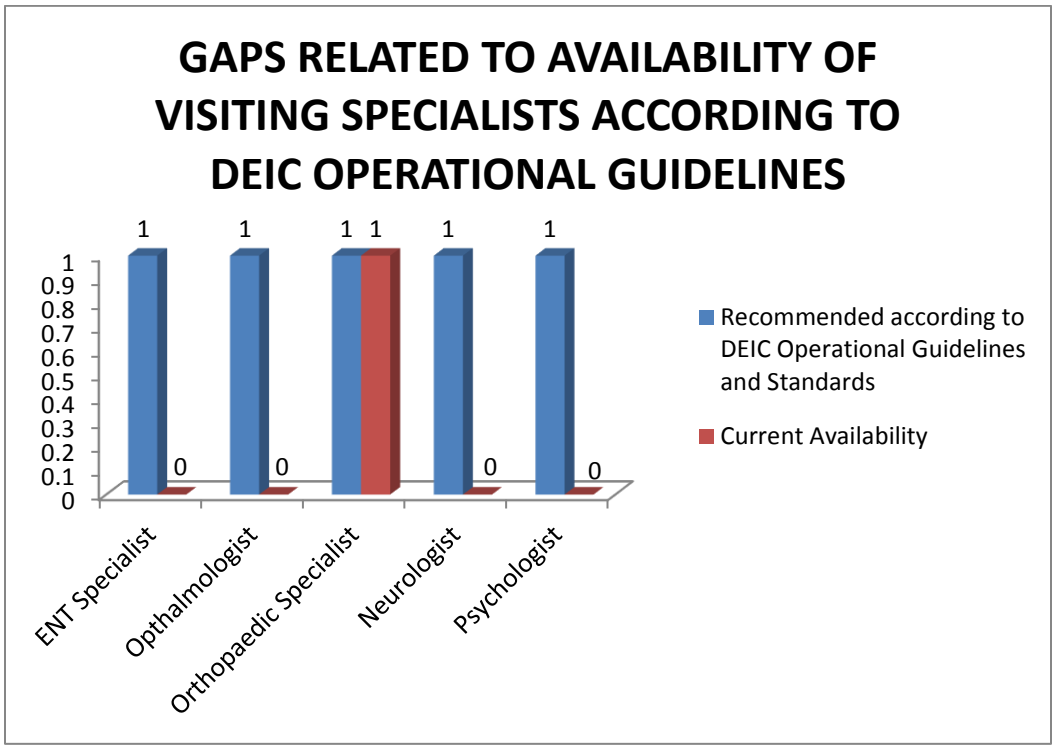

Figure2. Gaps related to availability of visiting specialists in DEIC according to operational guidelines

<u>Interpretation-</u> According to the observation based on DEIC Operational guidelines it is observed that there must be total five visiting specialists but only Orthopedic is available. The Orthopedic visits DEIC every Thursday and Friday rest visiting specialists will be made available till the month of July/August.

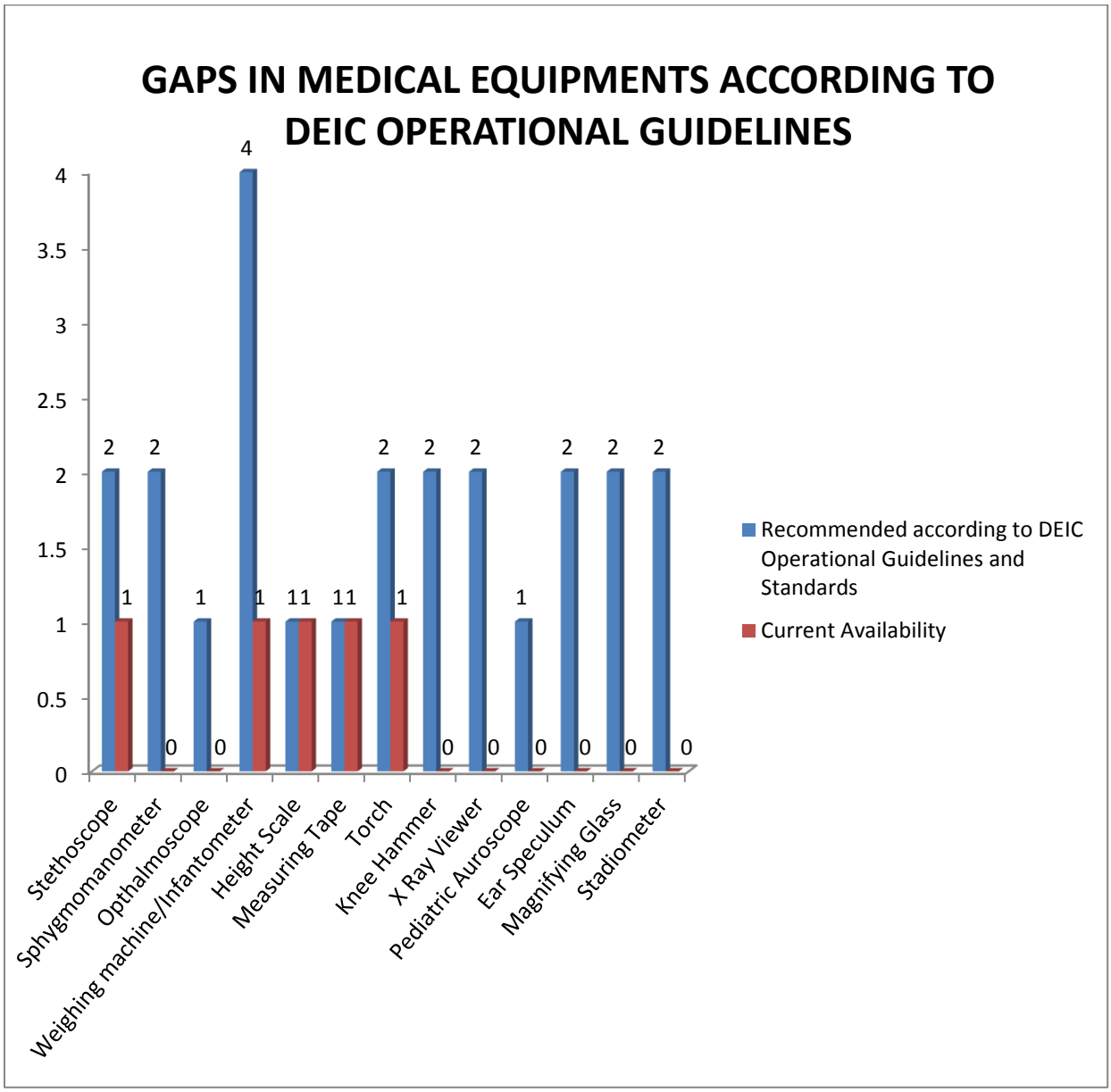

Figure3. Gaps in Medical Equipments according to DEIC Operational guidelines

Interpretation- According to the observation based on DEIC Operational guidelines and interview conducted with the employees it is determined that there are some gaps in medical equipments Stethoscope, Weighing Machine, Height Scale, Measuring Tape as well as torch is available at DEIC rest instruments will come after the PIP of 2017-18 will get sanctioned from the state.

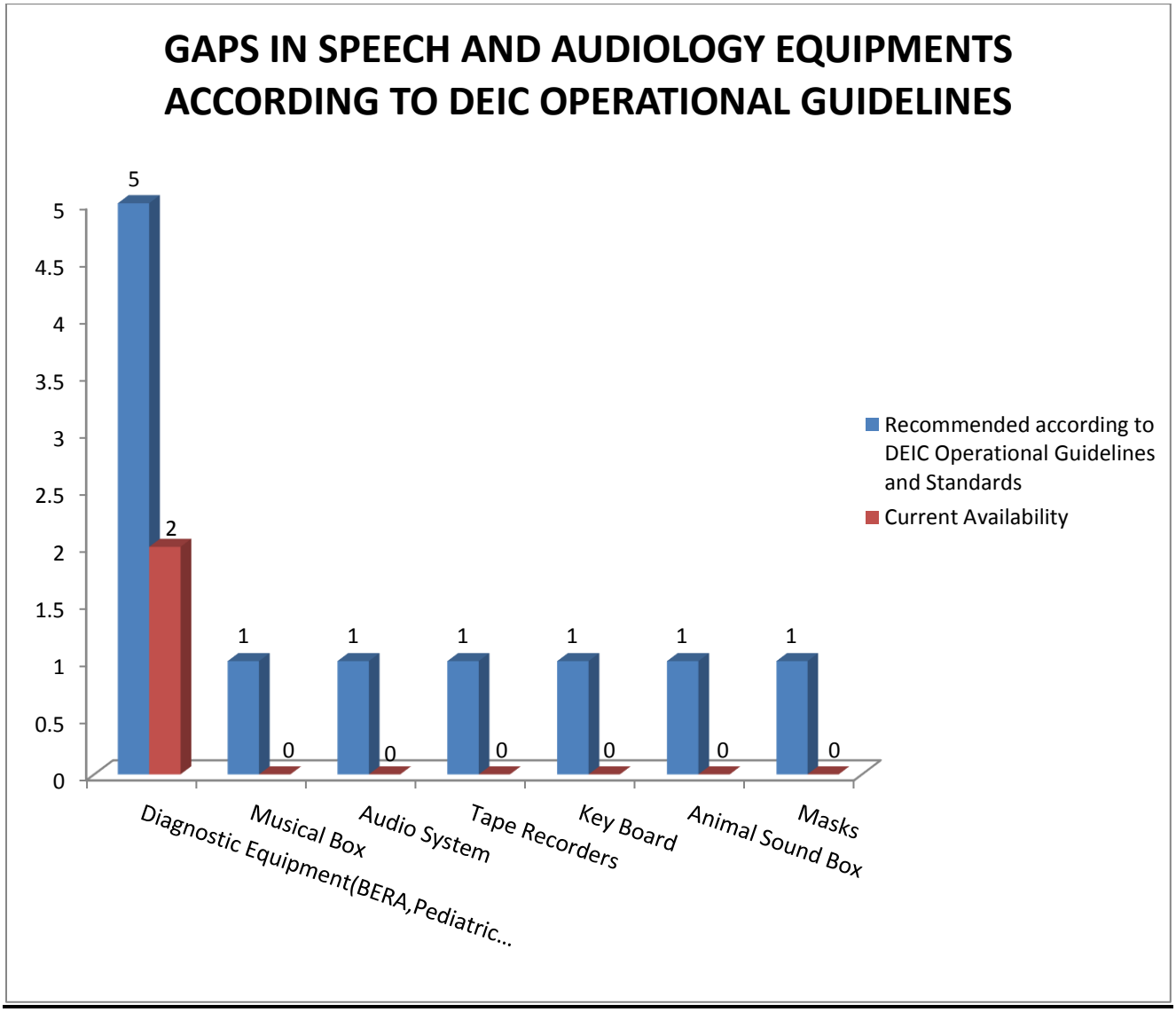

Figure4- Gaps related to Speech and Audiology equipments related to DEIC Operational Guidelines

Interpretation- According to the observation based on DEIC Operational guidelines and interview conducted with the employees it is determined that there are some gaps in audiology equipments as BERA and OCR Screen which is for diagnostic purpose is available at DEIC rest all equipments are not available as there is no audiologist in DEIC so the equipments are not fully purchased yet.

THERAPY EQUIPMENT (PHYSIOTHERAPY AND OCCUPATIONAL THERAPY)

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Therapy Ball	2	0
2	Therapy Mats	6	0
3	Bolster	2	0
4	Prone Wedge	2	0
5	Small Roll	3	0
6	Balance Board	1	0
7	Trampoline	1	0
8	Kaye-Walker	1	0
9	Bolster Swing	1	0
10	Wooden Benches	2	0

	with cushion and Rexene cover		
11	Splints (Ankle Foot Orthosis)	1 Pair	0
12	Special chairs with cutout tray (Tailor made according to need of the child)	1	0
13	Toys (for play and stimulation)		
13.1	Small rattles	10	0
13.2	Squeaky	3	0
13.3	Puja Bell (Clapper Bell)	2	0
13.4	Soft Toy	10	0
13.5	Brush for tactile stimulation	2	0
13.6	Theraputty	3 containers	0
13.7	Peg Board	2	0
13.8	Ball Pool	1	0
13.9	Balls of Different size	5	0
13.10	Gaiters	8	0
13.11	Thick Handle spoon	3	0

13.12	Thick Handle bent spoon	3	0
13.13	Plastic Spoon with long handle(For Babies)	3	0
13.14	Plastic glass with rim cut on one side	3	0
13.15	Stainless steel plates with high rim	3	0
13.16	Spouted Cups	3	0

Interpretation- According to the observation based on DEIC Operational guidelines and interview conducted with the employees it is determined that there despite of having physiotherapist in DEIC there are no equipments because PIP not yet sanctioned so equipments are not yet made available.

STIMULATION MATERIAL

VISUAL STIMULATION

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Lamp	1	0
2	Large Mirror	1	0
3	Bright colored objects	1	0
4	Noise making objects	1	0
5	Bright coloured lights	1	0
6	Hanging moving toys	1	0

TACTILE STIMULATION

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Textures(Cloth)	1	0
2	Textures(Paper)	1	0
3	Ball Bath	1	0
4	Ball Pool	1	0
5	Sand Pool	1	0

6	Hydro Pool	1	0
7	Mitts and Scrubbers	1	0
8	Pool of Balls	1	0

LAB EQUIPMENTS

Serial No.	**Equipment Name**	**Recommended according to DEIC Operational Guidelines and Standards**	**Current Availability**
1	Automated Blood Cell Counter	1	**0**
2	Microscope	1	**0**
3	Semi-automated Analyzer	1	**0**
4	Digital Haemoglobinometer	1	**0**

VESTIBULAR STIMULATION

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Swing	5	0
2	Net Hammock	1	0
3	Tube Swing	1	0
4	Trampoline	1	0
5	Scooter Board	1	0
6	Spin Tub	1	0
7	Swivel Stool	1	0
8	Twister	1	0
9	Bolster Swing	1	0
10	Scatter	1	0

EQUIPMENT FOR SENSORY INTEGRATION

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Disco Ball	1	0
2	Wind Chimes	1	0
3	Tactile Boards	1	0
4	UV Lighting	1	0
5	Rotating light	1	0
6	Vertical Fibre Optic lamp	1	0
7	Music System	1	0
8	Space Hopper	1	0
9	Platform Swing	1	0
10	Bolster Swing	1	0
11	Textured Mats	1	0
12	Bean Bags	1	0
13	Tumble Roller	1	0
14	Vibrator	1	0
15	Optic fibres	1	0
16	Soft Toys	1	0
17	Padded Stepper	1	0
18	Tractor inner Tube	1	0
19	Net hammock	1	0
20	Scooter Board	1	0
21	Swiss Ball	1	0

22	Audio CD	1	0

Interpretation- According to the observation based on DEIC Operational guidelines and interview conducted with the employees it is determined that there is absence of human resource in DEIC so Stimulation Material and Lab equipments are not made available at DEIC.

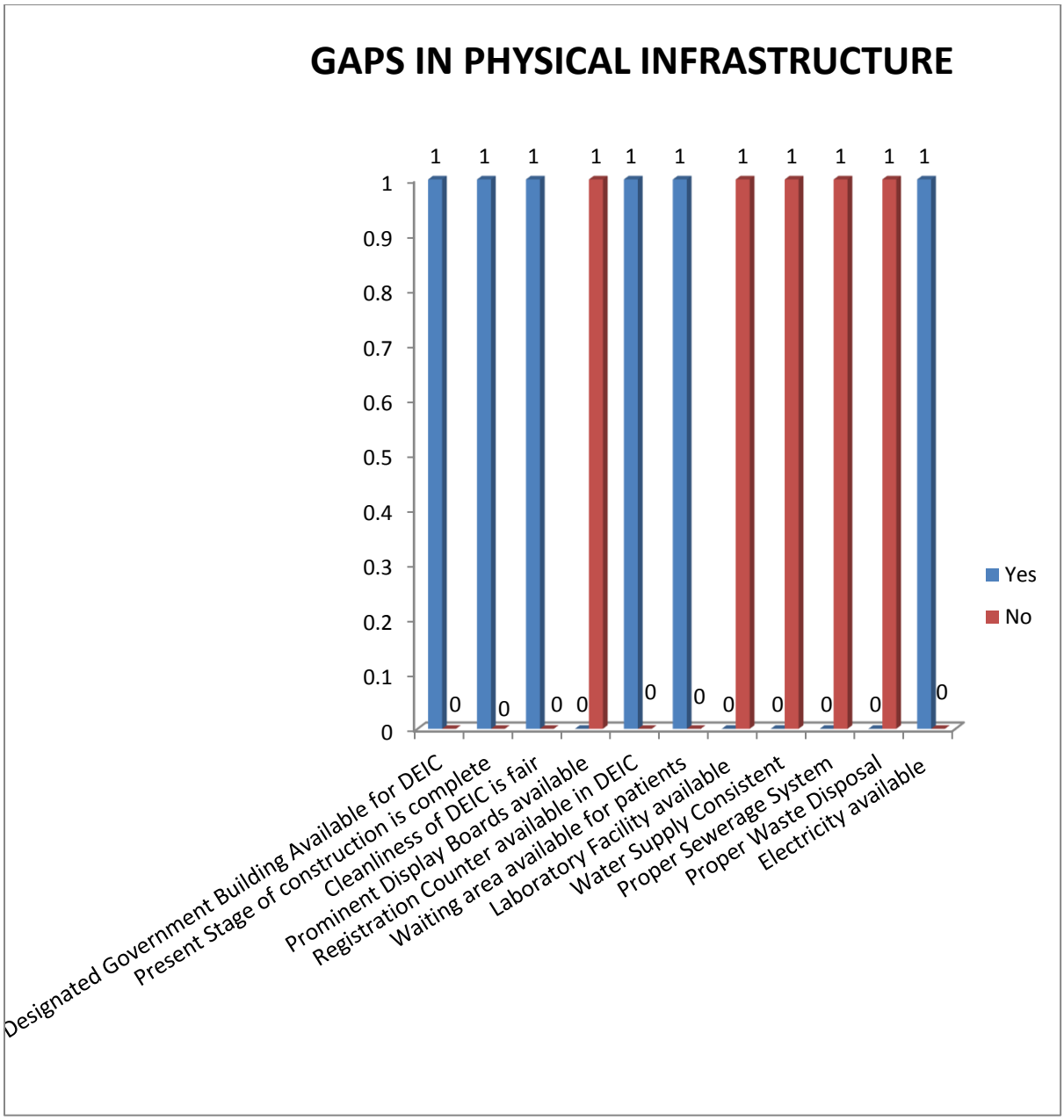

Figure5. Gaps related to Physical Infrastructure

Interpretation- According to the observation regarding physical infrastructure of DEIC the cleanliness is fair, no display boards, no lab facilities, absence of water supply and absence of sewerage and waste disposal is there. There is designated government building available for DEIC

Employees of DEIC Job Experience and Satisfaction

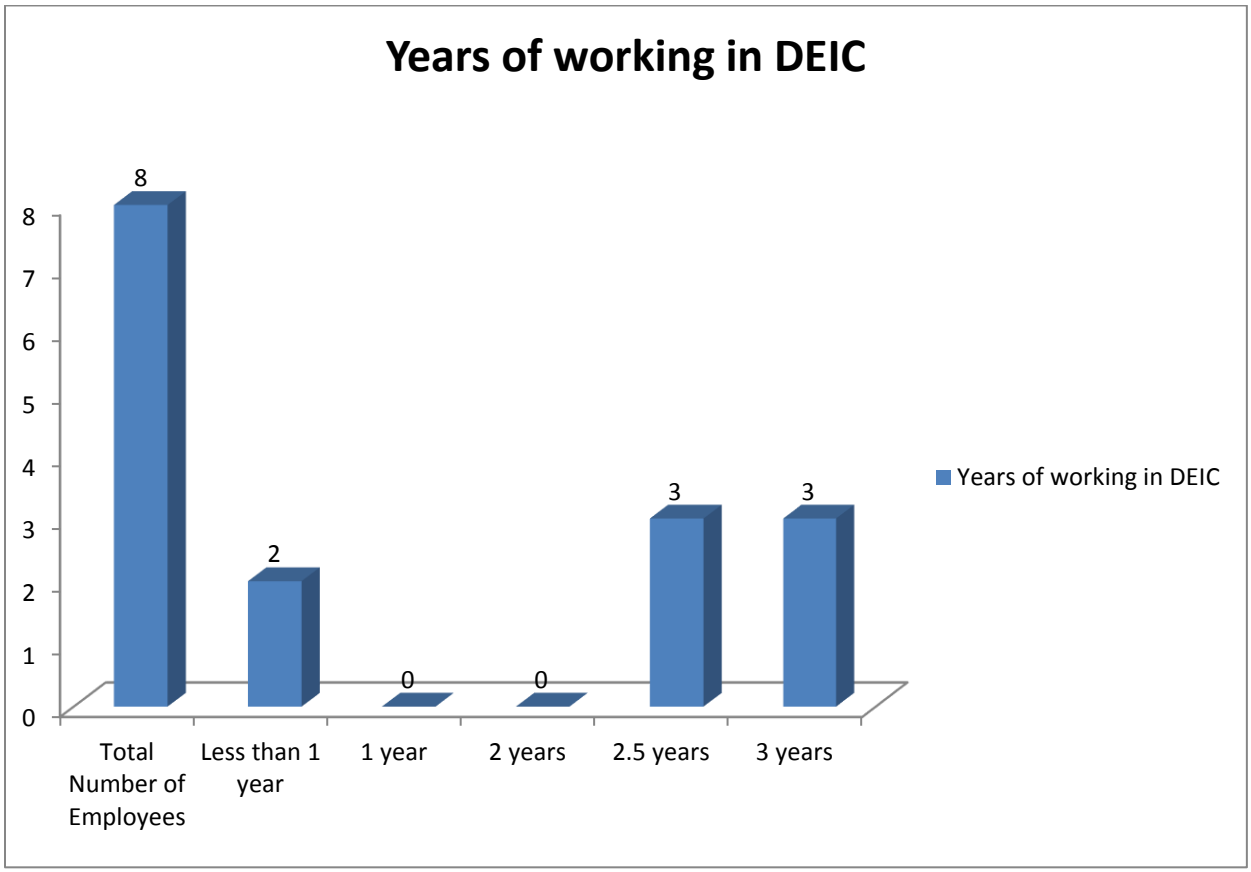

Figure6. Employees years of working in DEIC

Interpretation-Out of total 8 Employees working in DEIC two employees have less than 1 year of working experience and three employees each have 2.5 years and 3 years of working experience in DEIC.

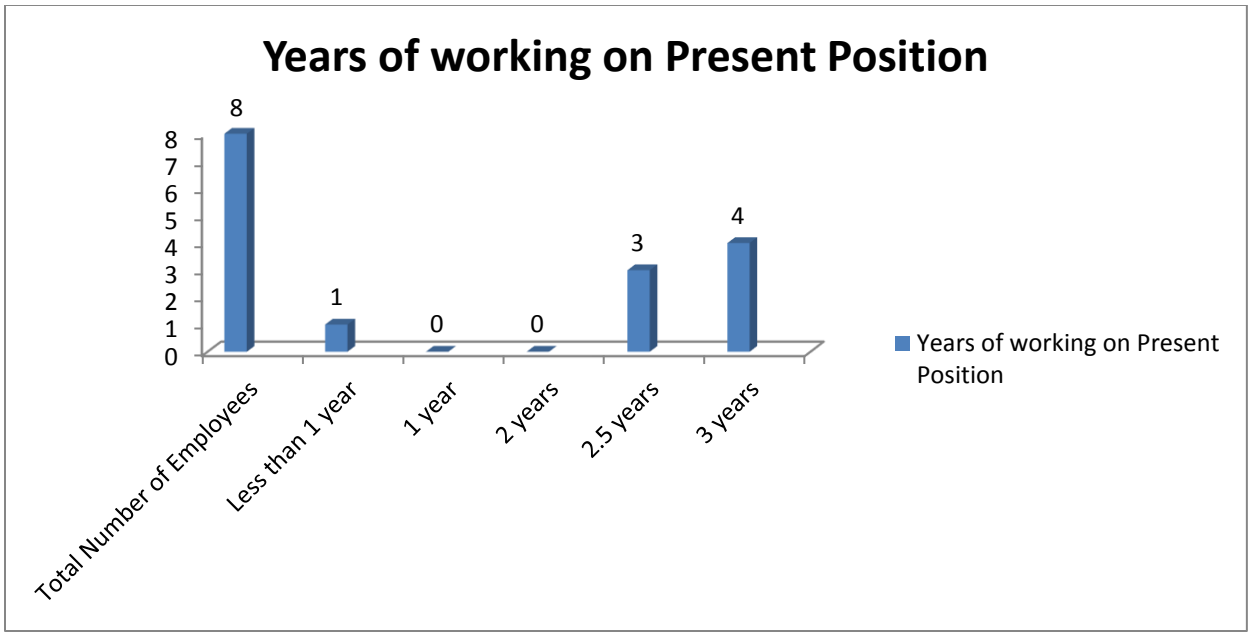

Figure7. Employees years of working on present position

Interpretation- Out of 8 employees working in DEIC 1 employee is working on present position in less than 1 year and 3 employees work for 2.5 years and 4 employees for 3 years work on present position.

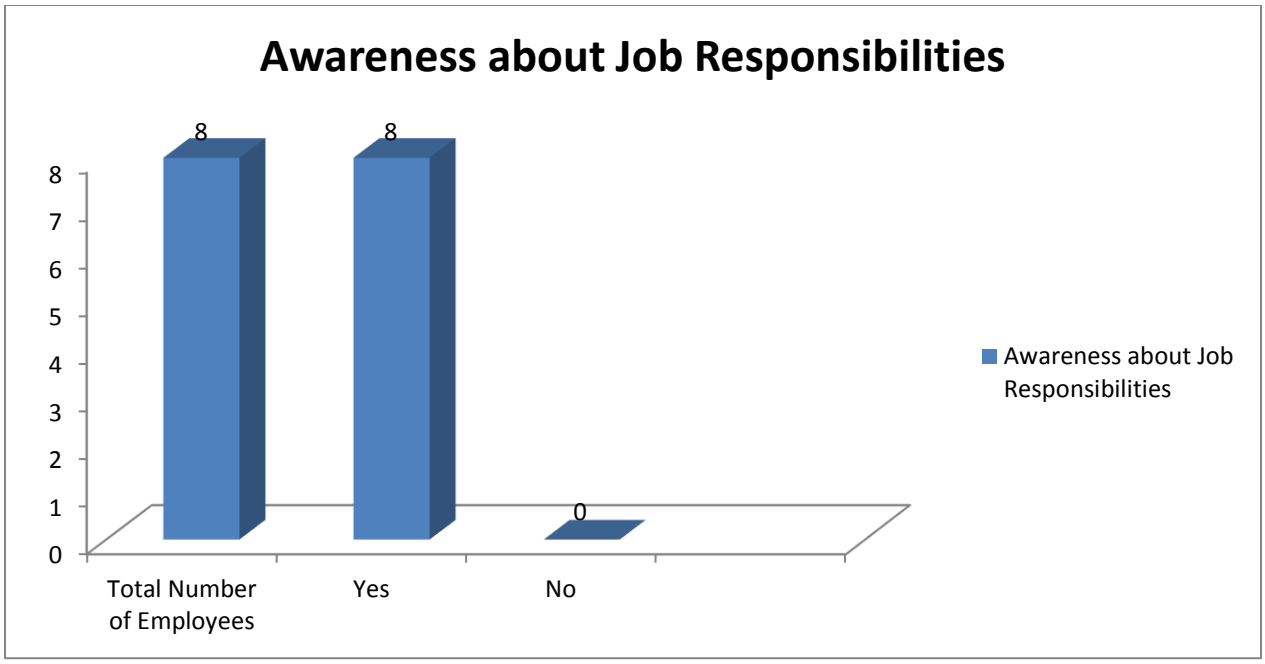

Figure8. Employees working in DEIC having awareness about their job responsibilities

Interpretation- Out of 8 employees working in DEIC they all have awareness about their job responsibilities.

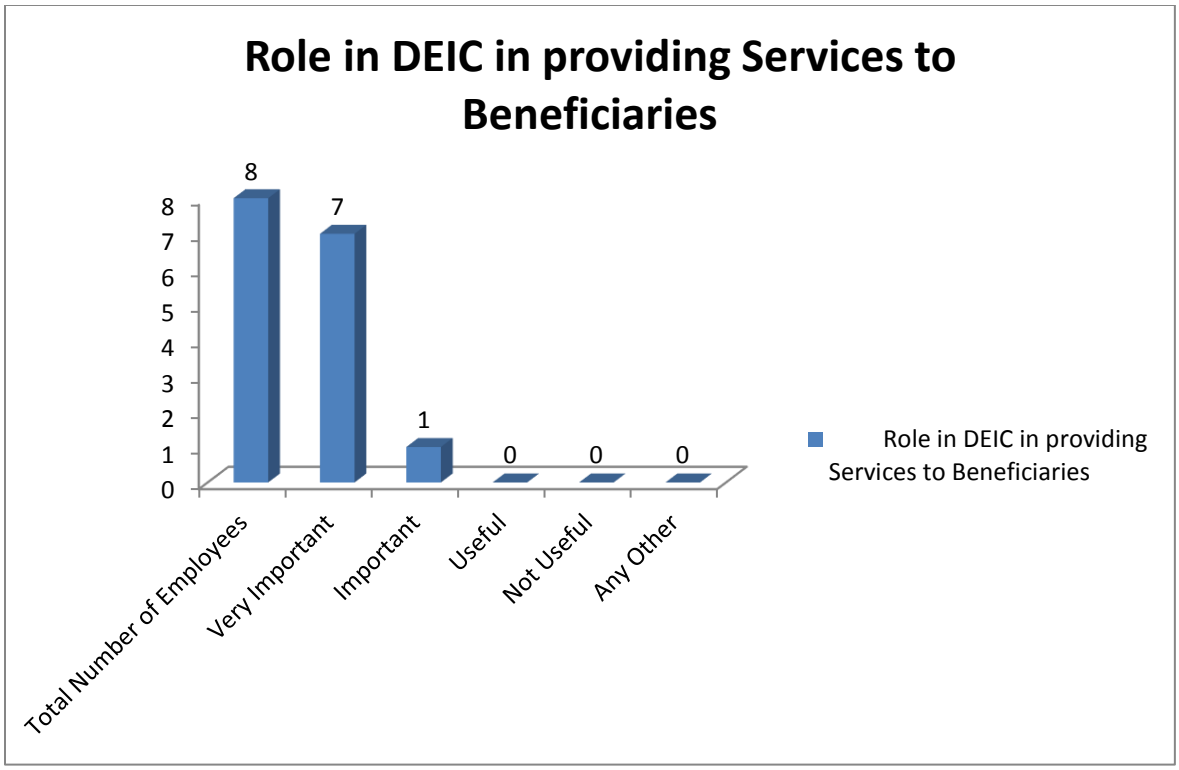

Figure9. Role of Employees in DEIC in providing services to the beneficiaries

Interpretation- Out of 8 employees working in DEIC 7 employees think that their role is very important in DEIC in providing services to the beneficiaries and 1 employee think his role as important.

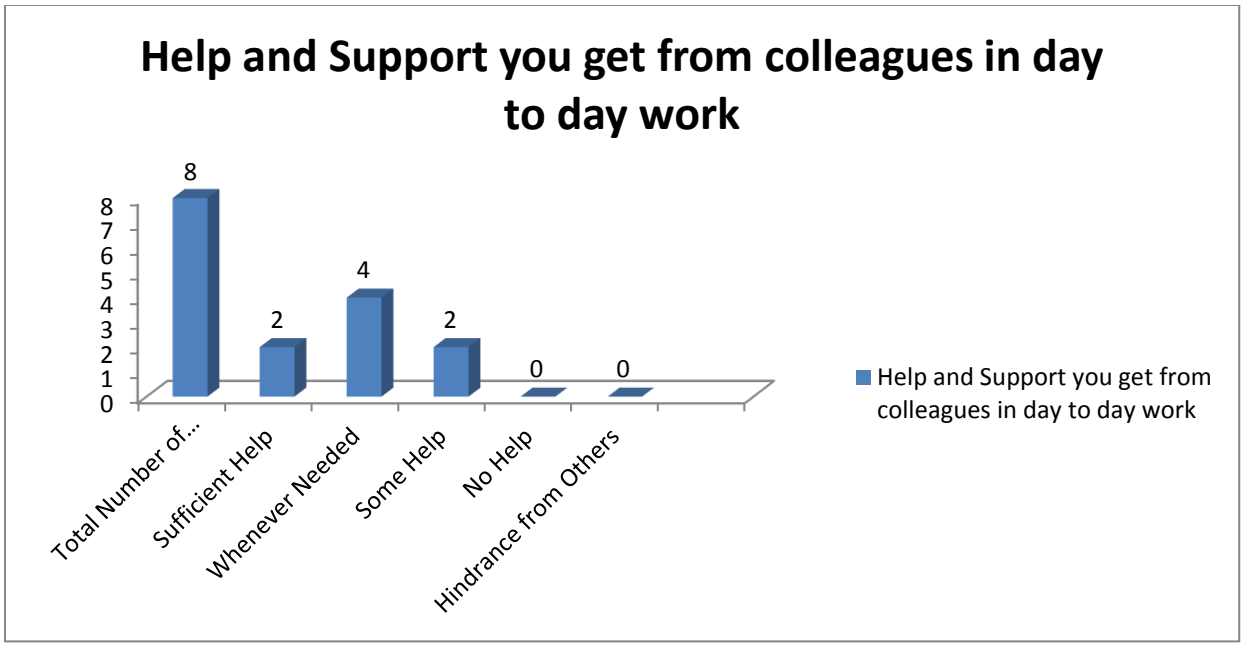

Figure10. Employees in DEIC get help and support from their colleagues

Interpretation-Out of 8 employees working in DEIC 2 employees get sufficient help and support 4 get help whenever needed and 2 get some from their collegues in day to day work.

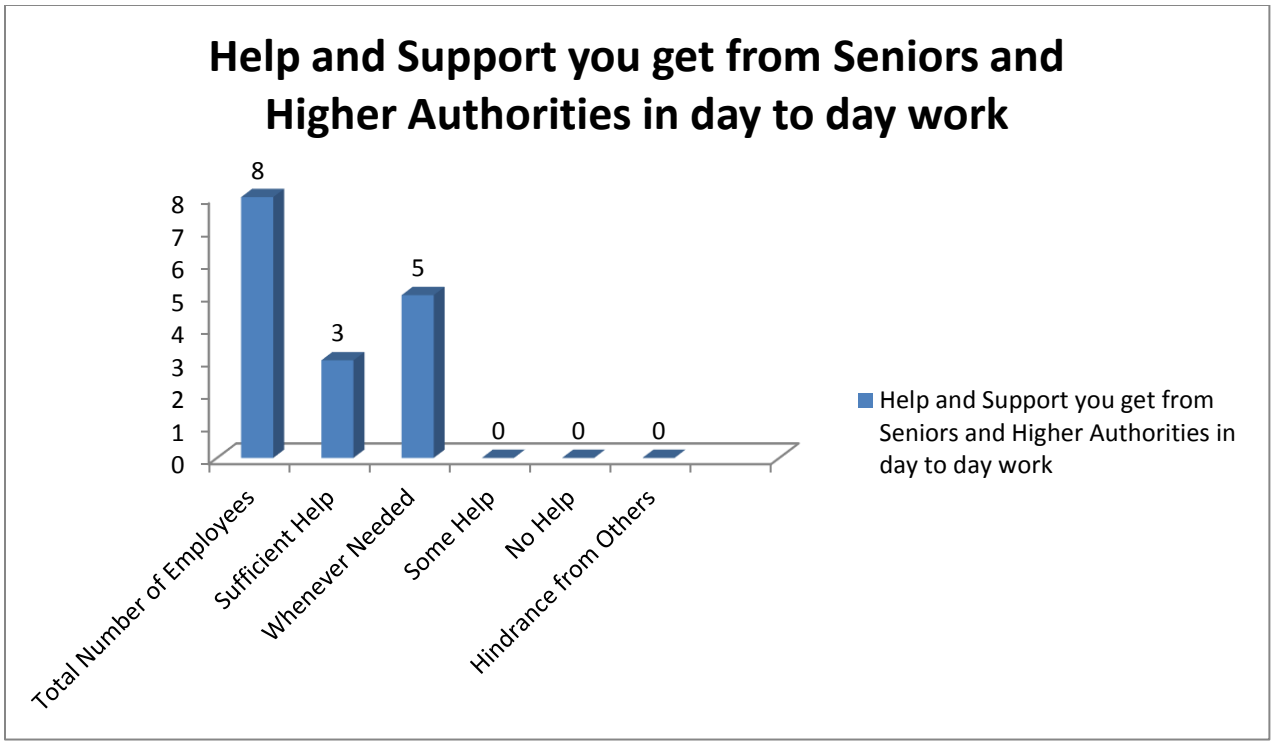

Figure11. Employees of DEIC get help and support from seniors and Higher Authorities

Interpretation-Out of 8 employees working in DEIC 3 get sufficient help 5 get whenever needed from their seniors and Higher Authorities in day to day work.

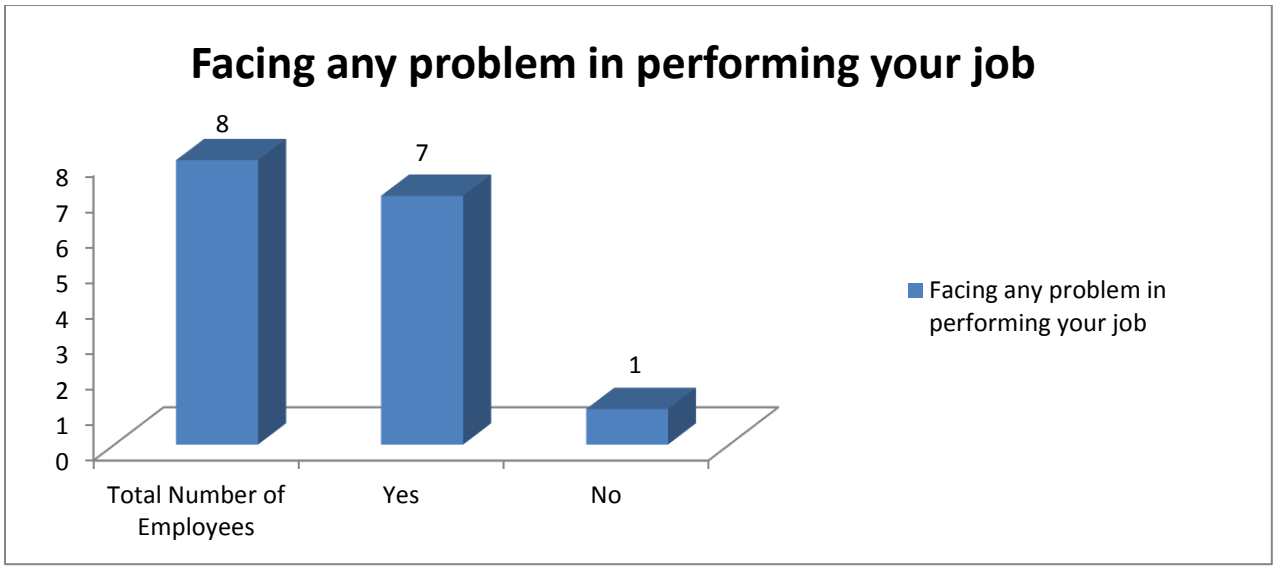

Figure12. Employees of DEIC facing problem in performing job

Interpretation- Out of 8 employees working in DEIC 7 are facing problem in performing job because of absence of equipments, water and less staff and more work to handle.

ETHICAL CONSIDERATIONS

- Informed Consent: Individual to be interviewed is briefly informed about the research topic and its significance. Assurance of preserving the privacy/confidential issues from researcher.
- Informed verbal consent was obtained from all participants.
- Participation in this research was voluntary, and no financial remuneration was provided.

LIMITATIONS

- This study is done in limited time period (3 months) so all the participants of DEIC are included.
- Porforma for facility survey for District Early Intervention Centre prepared with checklist pertaining to manpower, equipments and physical infrastructure.
- The questions are also prepared pertaining to the Job Experience and satisfaction of the employees working in DEIC Indore.
- The findings of this study provide insightful, rich and critical information about the studied phenomenon.

CONCLUSION

There is deficiency of staff, equipments and physical infrastructure in DEIC of Indore. Regarding job experience and satisfaction most of the employees working in DEIC think that there role is very important in providing services to the beneficiaries. Most of the employees think that they get help and support from their colleagues as well as from seniors and higher authorities whenever needed. The employees of DEIC facing problem in performing their job. The problems they are facing related to DEIC are as follows:

- Regarding amenities, equipments and treatment facilities.
- No Water, internet and phone facilities for follow up of patients.
- Laboratory not available in DEIC. Pathological requirement reagent not available.
- Lack of facility in Dental Machinery working place.

The results determines that there is not sufficient manpower present in DEIC. Total manpower of DEIC must be 10 according to DEIC Operational guidelines but only 6 people are available at present. The visiting specialist must be 5 but only orthopedic is available at present. The equipments present in DEIC are not available properly. The physical infrastructure have some gaps related to cleanliness, availability of display boards, laboratory facility absent, water supply, sewerage disposal and Waste disposal. DEIC Indore is lagging in manpower, equipments and physical infrastructure.

RECOMMENDATIONS

Based on the observations made, the following are the recommendations of the present study;

- The recruitment of drop out and vacant staff posts to be filled at the earliest of district early intervention centre
- There should be a provision of availability of equipments and infrastructure gaps as per requirement must be fulfilled.
- The employees must get sufficient help from their colleagues, seniors and higher authorities so that they get motivated and satisfied from their job.
- The employees are facing problem related in DEIC which must be solved as soon as possible so that proper functioning of DEIC must be there.

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GOVT.OF INDIA 2016

ANNEXURES

PORFORMA FOR FACILITY SURVEY FOR DISTRICT EARLY INTERVENTION CENTRE, INDORE ON THE BASIS OF DEIC OPERATIONAL GUIDELINES (STANDARDS)

Name of the State: Madhya Pradesh

District: Indore

Location name of DEIC: District Hospital, Chandan Nagar

Serial No.	Personnel	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Pediatrician	1	0
2	Medical Officer	1	1
3	Dentist	1	1
4	Physiotherapist	1	1
5	Clinical Psychologist/Rehabilitation Psychologist	1	0
6	Pediatric Optometrist	1	0
7	Pediatric Audiologist and speech Therapist	1	0
8	Early Interventionist cum Special Educator cum Social Worker	1	0

9	Lab Technician	1	1
10	Dental Technician	1	1
11	Manager	1	1
12	Data Entry Operator	1	1

Visiting Medical Specialist-Will have to visit District Early Intervention Centre especially for children from birth to 6 years

Serial No.	Personnel	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	ENT Specialist	1	0
2	Opthalmologist	1	0
3	Orthopaedic Specialist	1	1
4	Neurologist	1	0
5	Psychiatrist	1	0

EQUIPMENT FOR SERVICES

Medical Equipments

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Stethoscope	2	1
2	Sphygmomanometer	2	0
3	Ophthalmoscope	1	0
4	Weighing Machine/Infantometer	4	1
5	Height Scale	1	1
6	Measuring Tape	1	1
7	Torch	2	1
8	Knee Hammer	2	0
9	X-Ray Viewer	2	0
10	Pediatric Auroscope	1	0
11	Ear Speculum	2	0
12	Magnifying glass	2	0
13	Stadiometer	2	0

THERAPY EQUIPMENT (PHYSIOTHERAPY AND OCCUPATIONAL THERAPY)

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Therapy Ball	2	0
2	Therapy Mats	6	0
3	Bolster	2	0
4	Prone Wedge	2	0
5	Small Roll	3	0
6	Balance Board	1	0
7	Trampoline	1	0
8	Kaye-Walker	1	0
9	Bolster Swing	1	0
10	Wooden Benches with cushion and Rexene cover	2	0
11	Splints (Ankle Foot Orthosis)	1 Pair	0
12	Special chairs with cutout tray (Tailor made according to	1	0

	need of the child)		
13	Toys (for play and stimulation)		
13.1	Small rattles	10	0
13.2	Squeaky	3	0
13.3	Puja Bell (Clapper Bell)	2	0
13.4	Soft Toy	10	0
13.5	Brush for tactile stimulation	2	0
13.6	Theraputty	3 containers	0
13.7	Peg Board	2	0
13.8	Ball Pool	1	0
13.9	Balls of Different size	5	0
13.10	Gaiters	8	0
13.11	Thick Handle spoon	3	0
13.12	Thick Handle bent spoon	3	0
13.13	Plastic Spoon with long handle(For Babies)	3	0
13.14	Plastic glass with rim cut on one side	3	0
13.15	Stainless steel	3	0

	plates with high rim		
13.16	Spouted Cups	3	0

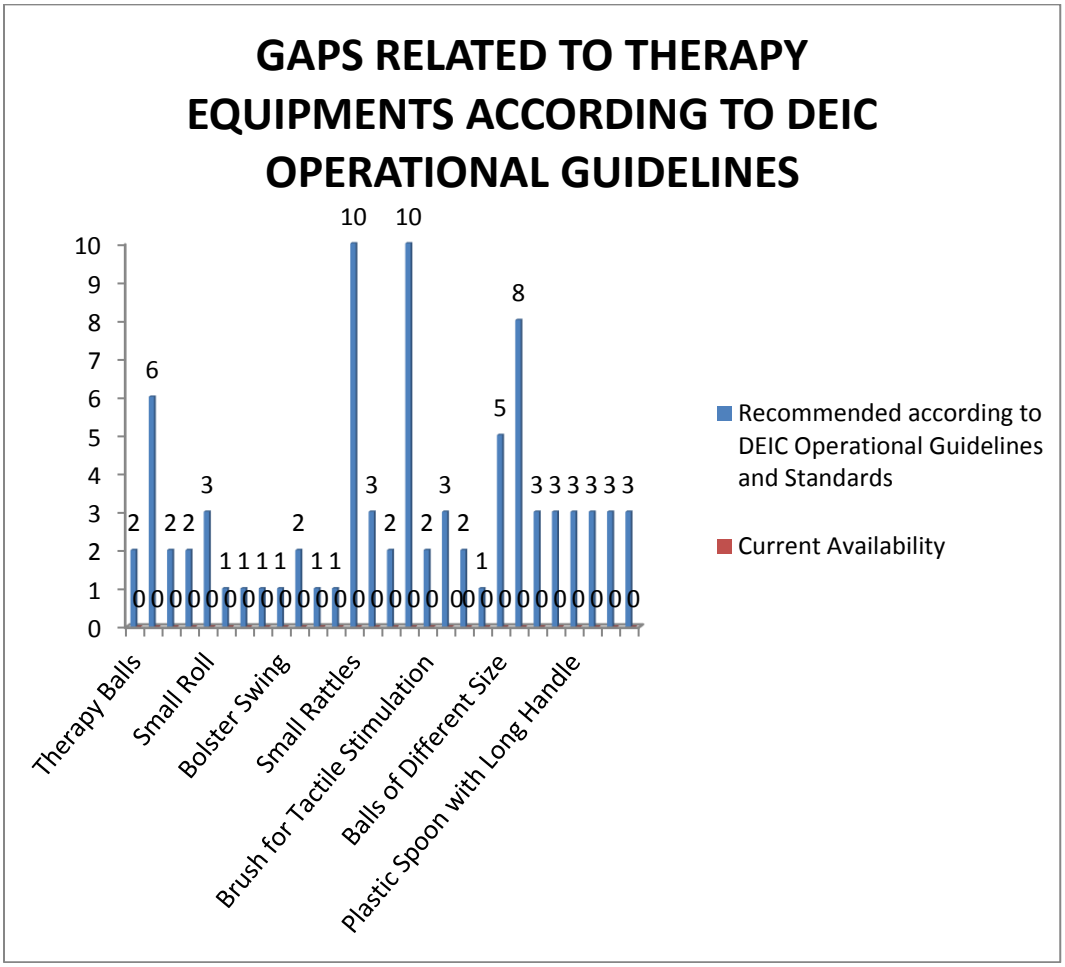

Figure13. Gaps related to Therapy Equipments according to DEIC Operational Guidelines

SPEECH AND AUDIOLOGY

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Diagnostic equipment (BERA, Pediatric audiometer, Diagnostic Audiometry(OAE Screener), Reactometer, Impedence audiometry)	5	2
2	Musical Box	1	0
3	Audio System	1	0
4	Tape Recorders	1	0
5	Key Board	1	0
6	Animal Sound Box	1	0
7	Masks	1	0

STIMULATION MATERIAL

VISUAL STIMULATION

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Lamp	1	0
2	Large Mirror	1	0
3	Bright colored objects	1	0
4	Noise making objects	1	0
5	Bright coloured lights	1	0
6	Hanging moving toys	1	0

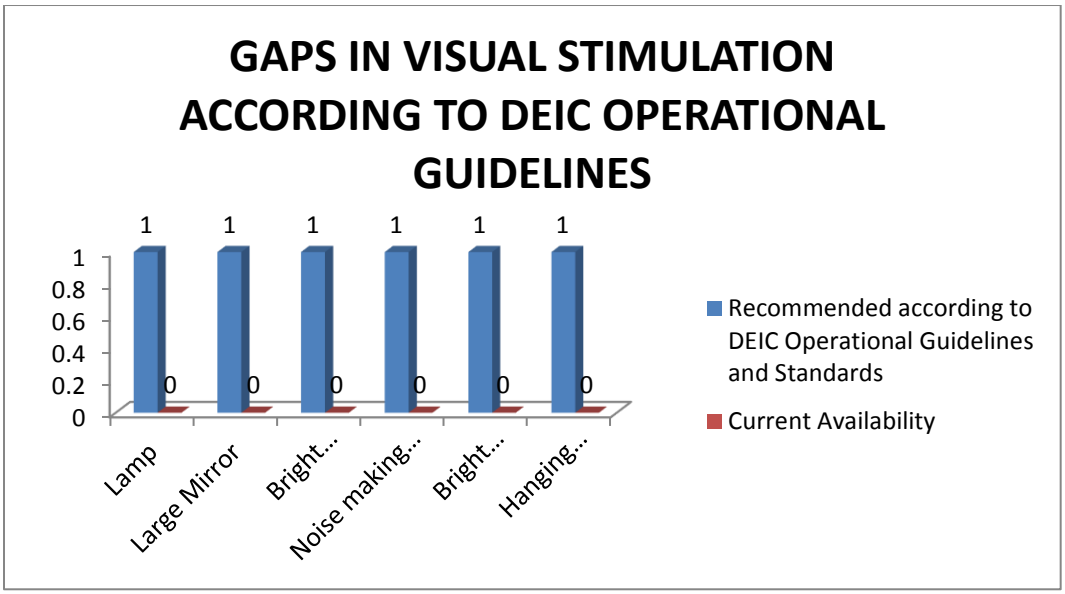

Figure14. Gaps related to Visual Stimulation Equipments according to DEIC Operational Guidelines

TACTILE STIMULATION

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Textures(Cloth)	1	0
2	Textures(Paper)	1	0
3	Ball Bath	1	0
4	Ball Pool	1	0
5	Sand Pool	1	0
6	Hydro Pool	1	0
7	Mitts and Scrubbers	1	0
8	Pool of Balls	1	0

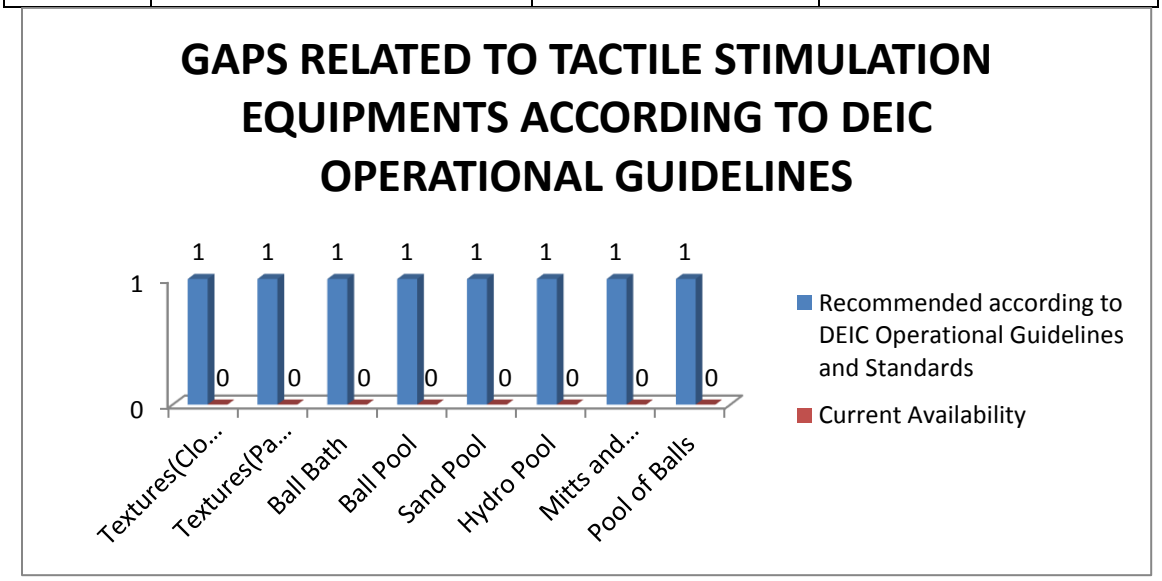

Figure15. Gaps related to Tactile Stimulation equipments according to DEIC Operational Guidelines

LAB EQUIPMENTS

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Automated Blood Cell Counter	1	**0**
2	Microscope	1	**0**
3	Semi-automated Analyzer	1	**0**
4	Digital Haemoglobinometer	1	**0**

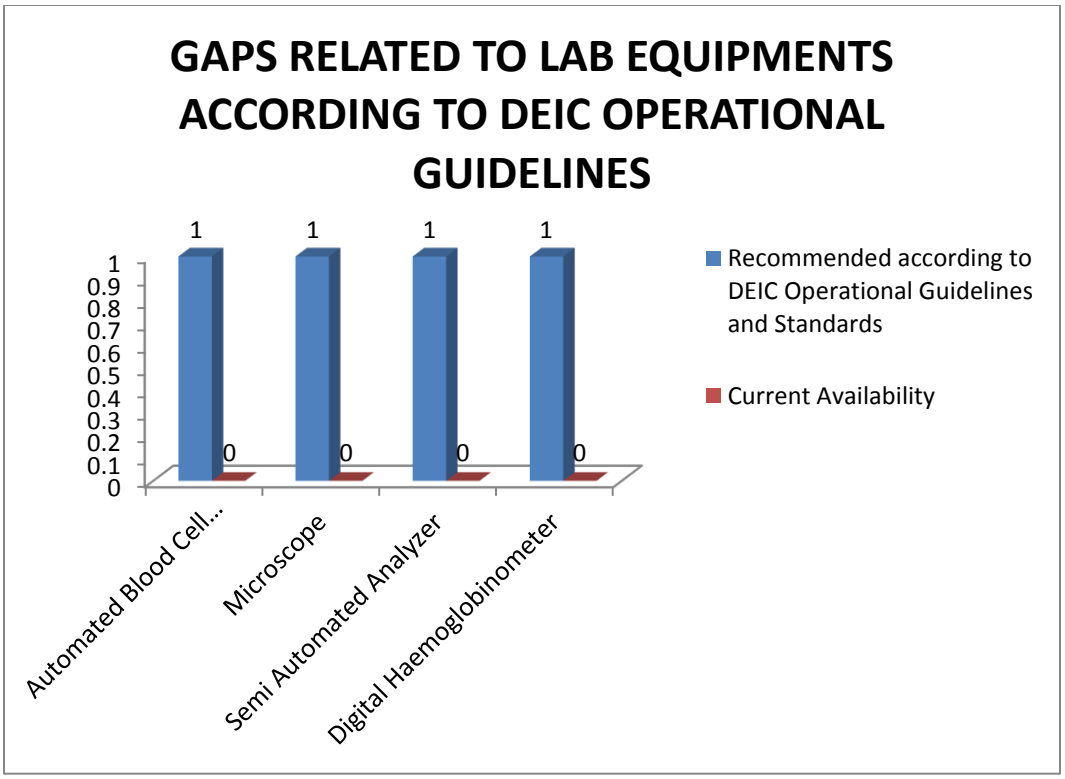

Figure16. Gaps related to Lab Equipments according to DEIC Operational Guidelines

VESTIBULAR STIMULATION

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Swing	5	0
2	Net Hammock	1	0
3	Tube Swing	1	0
4	Trampoline	1	0
5	Scooter Board	1	0
6	Spin Tub	1	0
7	Swivel Stool	1	0
8	Twister	1	0
9	Bolster Swing	1	0
10	Scatter	1	0

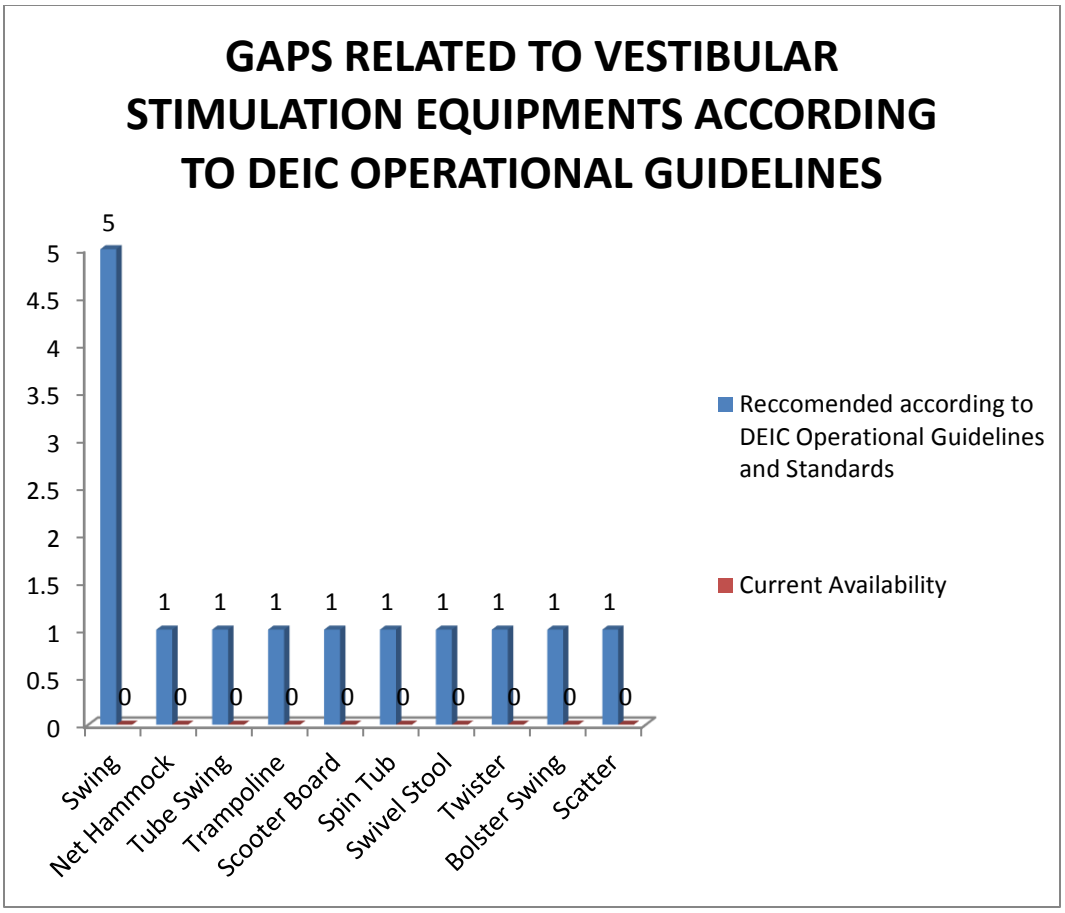

Figure17. Gaps related to Vestibular Stimulation Equipments according to DEIC Operational Guidelines

EQUIPMENT FOR SENSORY INTEGRATION

Serial No.	Equipment Name	Recommended according to DEIC Operational Guidelines and Standards	Current Availability
1	Disco Ball	1	0
2	Wind Chimes	1	0
3	Tactile Boards	1	0
4	UV Lighting	1	0
5	Rotating light	1	0
6	Vertical Fibre Optic lamp	1	0
7	Music System	1	0
8	Space Hopper	1	0
9	Platform Swing	1	0
10	Bolster Swing	1	0
11	Textured Mats	1	0
12	Bean Bags	1	0
13	Tumble Roller	1	0
14	Vibrator	1	0
15	Optic fibres	1	0
16	Soft Toys	1	0
17	Padded Stepper	1	0
18	Tractor inner Tube	1	0
19	Net hammock	1	0
20	Scooter Board	1	0
21	Swiss Ball	1	0

22	Audio CD	1	0

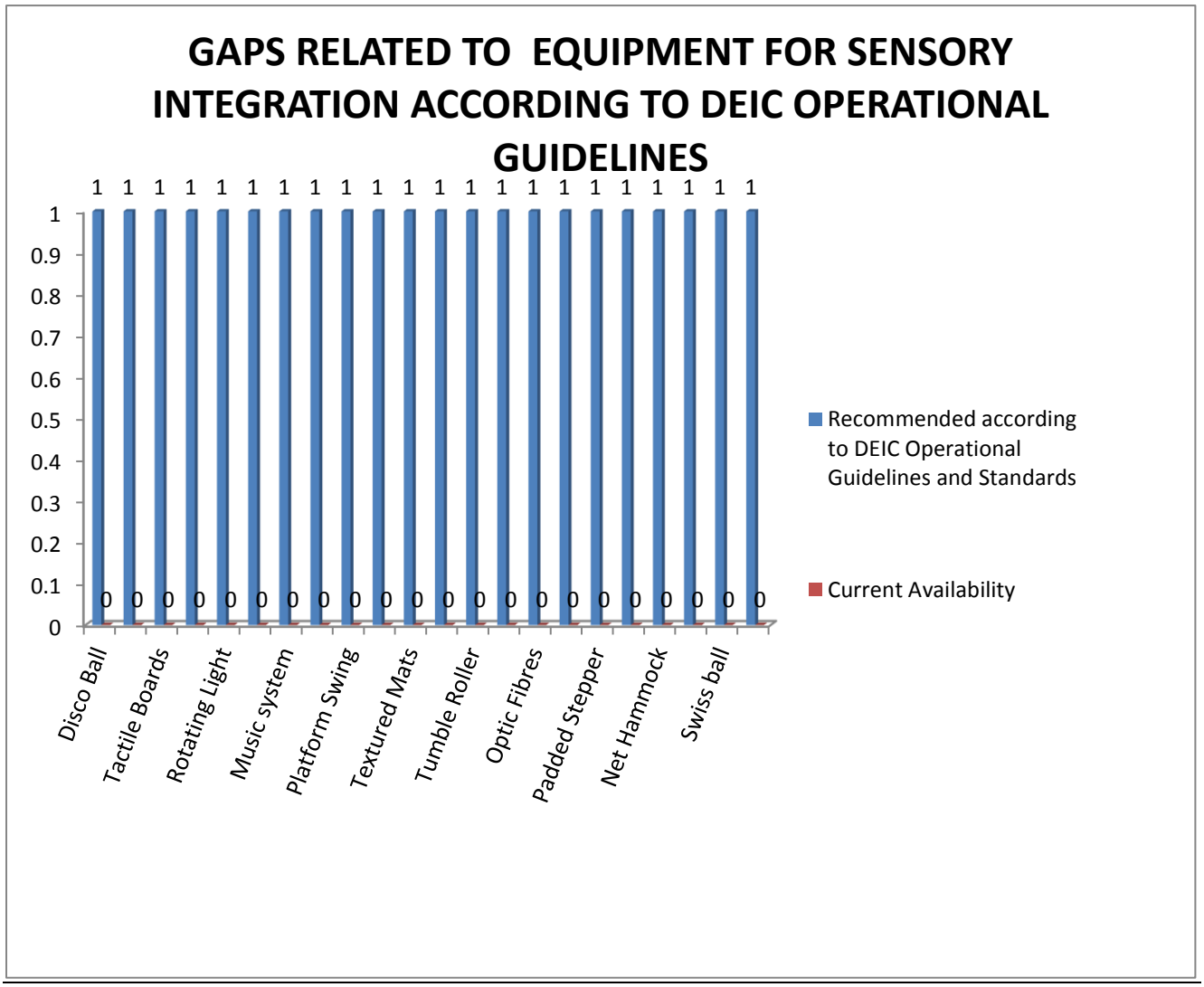

Figure18. Gaps related to equipments for Sensory integration according to DEIC Operational Guidelines

PHYSICAL INFRASTRUCTURE

1. Is designated government building available for District Early Intervention Centre?
   A) Yes
   B) No

   If No, than where it is located?
   A) Rented Premises
   B) Other Government Building
   C) Any Other(Specify)
2. What is the present stage of construction of Building?
   A) Construction Complete
   B) Construction Incomplete
3. Weather the cleanliness of District Early Intervention Centre is…..
   A) Good
   B) Fair
   C) Poor
4. Is there prominent display boards regarding Service availability in local language?
   A) Yes
   B) No
5. Is there registration Counter in District Early Intervention centre?
   A) Yes
   B) No

6. Is there waiting area available for Patients?
   A) Yes
   B) No

7. Is the Laboratory facility available in DEIC?
   A) Yes
   B) No
8. Is the water supply consistent in DEIC?
   A) Yes
   B) No
9. Is there proper sewerage system in DEIC?
   A) Yes
   B) No
10. Is there proper Waste Disposal in DEIC?
   A) Yes
   B) No
11. Is there electricity available in working time in DEIC?
   A) Yes
   B) No

Schedule of Health Personnel at District Early Intervention Centre

Name-

Age-

Sex-

Designation-

Education-A) Middle School B) Secondary School

C) Higher Secondary

D) Graduate and Above

E) Technical

F) Any Other (Please Specify)……

Job Experience and Satisfaction

1. For how many years you have been working in the DEIC? .....
2. For how many years you have been working on present position?
   .....
3. Are you aware about your job responsibilities?
   A) Yes
   B) No
   If yes, please tell some of the activities you do as a part of your job?
   …….
   ……..
   ……..
   ……..
   ……..

4. What do you think about your role in DEIC in providing services to beneficiaries?
   A) Very Important
   B) Important
   C) Useful
   D) No Useful
   E) Any Other (Please Specify)…….
5. How much help and support do you get from your colleagues in your day to day work?
   A) Sufficient Help
   B) Whenever Needed
   C) Some Help
   D) No Help
   E) Hindrance from others
6. How much help and support do you get from your seniors and higher authority in your day to day work?
   A) Sufficient Help
   B) Whenever needed
   C) Some Help
   D) No Help
   E) Hindrance from others

7. Do you face any problem in performing your job?

   A) Yes

   B) No

   If yes, what are the problems you are facing?

   ……

   ……

   ……

   ……

   ……

   ……

   ……

   ……..