

# Mahwa Block Public Health Strategies

## An Action Plan

2014-2015

**Model Districts Health Project**

**Columbia Global Centers | South Asia (Mumbai)**

**Earth Institute, Columbia University**

Express Towers 11<sup>th</sup> Floor, Nariman Point, Mumbai 400021

[globalcenters.columbia.edu/Mumbai](http://globalcenters.columbia.edu/Mumbai)

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The Earth Institute team in Rajasthan is led by State Technical Consultant, Mr. Dinesh Songara based in Jaipur, two District Project Co-ordinators Mr. Vinayak Sarolia and Dr. Akanksha Goyal based in Dausa and Dr. Esha Sheth based in Mumbai.

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## List of Abbreviation

|       |   |
|-------|---|
| ANC   | Ante Natal Care   |
| ANM   | Auxiliary Nurse Midwife                                 |
| ASHA  | Accredited Social Health Activist                       |
| AWC   | Aganwadi Center   |
| AWW   | Aganwadi Worker   |
| BAF   | Block Asha Facilitator                                  |
| BAM   | Block Accounts Manager                                  |
| BCMO  | Block Chief Medical Officer                             |
| BCC   | Behaviour Change Communication                          |
| BPM   | Block Programme Manager                                 |
| BSU   | Blood Storage Unit                                      |
| CMHO  | Chief Medical and Health Officer                        |
| CHC   | Community Health Center                                 |
| DC    | District Collector                                      |
| DH    | District Hospital                                       |
| EI    | Earth Institute   |
| FRU   | First Referral Unit                                     |
| HD    | Home Delivery   |
| IEC   | Information Education and Communication                 |
| ID    | Institutional Delivery                                  |
| IDR   | Infant Death Review                                     |
| IFA   | Iron Folic Acid   |
| IMNCI | Integrated Management of Neonatal and Childhood Illness |
| IYCF  | Infant and Young Child Feeding                          |

|         |   |
|---------|---|
| IUD     | Intra Uterine Device                                      |
| LR      | Labour Room   |
| LSAS    | Life Saving Anaesthetic Skills                            |
| MCH     | Maternal and Child Health                                 |
| MDR     | Maternal Death Review                                     |
| MMR     | Maternal Mortality rate                                   |
| MNH     | Maternal Newborn Health                                   |
| MOHFW   | Ministry of Health and Family Welfare                     |
| MOIC    | Medical Officer In Charge                                 |
| MoU     | Memorandum of Understanding                               |
| MTC     | Malnourishment Treatment Centre                           |
| NBCC    | New Born Care Corner                                      |
| NBSU    | New Born Stabilization Unit                               |
| NSSK    | Navjat Sishu Surakasha Karyakaram                         |
| PHC     | Primary Health Centre                                     |
| PNC     | Post Natal Care   |
| PPIUCD  | Post-partum intrauterine contraceptive devices            |
| RMNCH+A | Reproductive Maternal Newborn Child and Adolescent Health |
| SBA     | Skilled Birth Attendant                                   |
| SDM     | Sub Divisional Magistrate                                 |
| SDR     | Service Delivery Register                                 |
| SC      | Sub Centre  |

## Summary of Recommendations

The following recommendations have the potential to improve service delivery for maternal and child care with block level changes monitored through process indicators. Engagement and support from governance at all levels (State to Block) is crucial. Implementing this plan would provide a gauge of the amount of time required to efficiently implement basic recommendations which in turn can assist in evidence based planning for larger recommendations, taking limitations, constraints and strengths into account.

Please Note: The detailed rationale, advantages and description of recommendations along with primary body responsible for implementation is described in this paper, following the summary of recommendations. Please refer to specified page numbers for details.

### 1. Establishment of Malnutrition Treatment Center (MTC) at CHC Mahwa (Page 17 )

- Utilization of untied funds for establishment of MTC
- Training ASHAs to identify malnourished children, refer them and counsel their families on negative impacts of under nutrition
- Provision of incentive to ASHA for identification and referral will be an added advantage

### 2. Strengthening of Sub Centers for provision of Delivery Services in of High Home Delivery Pockets (Page 19)

#### **Short term recommendation:**

- Identification of potential SCs for conducting deliveries based on feasibility criteria
- Utilization of untied funds for identified strengthening SCs
- A revision of delivery procedures for ANMs of strengthened sub-centers
- IEC Materials for high home delivery areas on relevant SC for delivery
- Availability of 104 in high home delivery pockets

#### **Long term recommendation**

- Regular follow up of strengthened sub centers by authority personnel
- Based on improvement in case load and ANM performance rational –deployment can be phased in.

### 3. Review of Maternal and Infant Deaths at Sector and Block meetings to Identify Systemic Gaps (Page 22)

#### **Short term recommendation**

- Review and discussion of maternal and infant deaths in block and sector level meetings to identify the gaps and subsequently corrective actions planned and taken
- Quality training of MOIC and BCMOs on conduction of social audit for maternal and infant deaths

- Skill building of ASHA to identify maternal and infant deaths
- Relevant IEC in the community towards 3 delays, hygiene post-delivery for mother and child.
- Reviews both infant and child deaths during DHS by DC, to bridge identified gaps

**Long term recommendation**

- ASHA should be incentivized on reporting of infant deaths which may help resolving the under reporting issue.
- Validation of social audit: it can be done through cross block/district exercise where one block/district validates information from another.
- A block level Samelan for Sarpanch and Ward Panch: sensitize them towards maternal deaths and participating in social audits

**4. Functionalization of First Referral Units - Operationalization of Blood Storage Unit and Availability of Anaesthetist (Page 26)**

**Short Term Recommendation:**

- Resolving HR gap in FRU through rational deployment or Hiring Private Specialist from Rajasthan Medicare Relief Society
- Ensure legal compliance of blood storage unit and expedite the process to get the blood storage unit license from state licensing authority.

**Long Term Recommendation:**

- Training of Existing Medical Officer on Life Saving Anesthetic Skills
- Rational Deployment - Policy Guidelines Formulation
- Multi-Skilling Training - programs and guidelines for the multi-skilling of doctors and paramedical staff.

**5. Addressing the gaps affecting the Utilization Pattern of Untied funds (Page 29)**

**Short Term Recommendations:**

- Timely release of funds should be ensured from central government
- Verifying the expenditure against the activity rather than vouchers only
- Strict monitoring of utilization of untied fund should be done every month in District Health Society and Block Meetings
- There should be provision of quarterly internal auditing of facility accounts
- In every financial year orientation of financial guidelines and accounting procedures should be given to facility in-charges.
- Block officials should call facility in-charges at block office and start reconciliation of previous unsettled account as a Camp approach.
- State government should issue directions to involve block accountant in a committee where tender process need to follow.

**Long Term Recommendations:**

- Un-tied fund allocation should be based on either population criteria, need based criteria or performance based criteria.
- Filling up of vacant post of accountants in the block to streamline the accounting system
- Include fund utilization in the performance appraisal mechanism
- State Pre-Spending for Central Govt, till money is released to avoid delay in utilization

**[6. Assessing ANM Skills to plan Training and Monitoring Activities and Optimizing their Functions \(Page 33\)](#)****Short term recommendation**

- Baseline assessment of the ANM's knowledge and skills
- Training through state district or block or on site coaching involving other medical institutions
- Post training assessment- to understand the improvement in skill and confidence level.

**Long term recommendation**

- Refresher training at regular interval
- Set up Skill labs at DH/CHC to impart skill up-gradation training to ANMs and nursing staff.



## Introduction

The Earth Institute at Columbia University collaborated with the MOHFW to work towards the Model Districts Health Project to provide technical support in implementing the recommendations from the mid-term evaluation of NRHM, conducted by the Earth Institute. More specifically the focus was on the Millennium Development Goals 1, 4 and 5: improving the nutrition status of women and children and reducing maternal and child mortality by 2015. Currently Earth Institute supports three states- Rajasthan, Telangana and Jharkhand. Within these states EI works in two districts, one which was selected for the Model Districts Project and one High Priority District where EI is the lead development partner for RMNCH+A. In Rajasthan, Dausa was selected for implementation of Models District concept.

The Model Districts Project focuses on health systems strengthening through implementation research, strategic technical advice, monitoring and evaluation, and policy advocacy to help ensure the successful scaling up of services. It is ultimately the district governments and district health units that are responsible for implementing the quality improvements, best practices, and innovations based on the situational analysis. State governments and NRHM offices have a key role to play in driving innovations at a district level, and providing additional funding on evidence based need.

## An Action Plan – Mahwa Block, Dausa

The basic recommendations aim to serve as a roadmap in providing guidance towards improving the service delivery and strengthening the public health systems to function with better efficiency. It is a micro-level plan which is a building block towards designing a macro-level district based plan and can also have implications for the state level. The implementation aspect is the responsibility of the State, District and Block Health Units along with our technical support.

## Rationale

Dausa district is divided into 5 blocks viz. Bandikui, Dausa, Lalsot, Mahwa and Sikrai. Although it lies close to Jaipur, indicators highlight some major gaps in health systems. Mahwa block has been selected for devising the road map, as the health facilities and the recruited public health cadre cater to a large population constituting of the block itself and the nearby districts of Bharatpur, Alwar and Karauli. Hence, strengthening the service delivery and public health systems of the block can have a direct impact on the health outcomes for many.

## Method

The scope of this plan includes addressing some major gaps which include Human resource management, infrastructural gaps, and non-functional state of Malnourishment Treatment Center (MTC), which would lead to better functioning of service delivery in Mahwa. These have been drawn out on thematic analysis of indicators, review of block profile and discussion with district and block officials, the perspective of field worker, and challenges and issues faced by them.

## Block Profile

Mahwa (27° 3' 0" N, 76° 56' 0" E) block is located 62 km from the Dausa main city. It lies on NH-11 and is surrounded by Bharatpur, Alwar and Karauli district. The block has a **population of 277471**, 2 census towns - Mahwa and Mandawar and 161 revenue villages.

### Status of health facilities in the block:

| Health Facilities     | Sanctioned | Number Present | Functional | Remarks  |
|-----------------------|------------|----------------|------------|--|
| District Hospital     | 0          | 0              | 0          |  |
| Sub District Hospital | 0          | 0              | 0          |  |
| First Referral Unit   | 2          | 2              | 2          | Mahwa, Mandawar  |
| Blood Bank            | 0          | 0              | 0          |  |
| Blood Storage Unit    | 1          | 1              | 0          | In CHC Mahuwa - NOT FUNCTIONAL   |
| CHCs                  | 3          | 3              | 2          | Mahwa, Mandawar, Badgaon Khedla (non-functional)   |
| PHCs                  | 8          | 8              | 8          | Kot, Rashidpur, Balahedi, Santha, Pawata, Khoramulla, Khedla Bhujurg, Talchidi   |
| 24X7 PHC              | 8          | 8              | 8          | All PHCs   |
| Sub Centers           | 38         | 38             | 31         | Building not available at: Patoli, Pipalkheda, Salempur Thana, Ukarand, Dholakheda, Samleti, Dhand)                      |
| Delivery Points       | 12         | 11             | 11         | All PHCs, 2 CHCs and 1 SC  |
| MTCs                  | 1          | 1              | 0          | CHC Mahuwa   |
| NBSU                  | 1          | 1              | 1          | CHC Mahuwa   |
| NBCC                  | 12         | 11             | 11         | Available at all delivery points   |
| Private Hospitals     |            | 5              | 5          | Shri Vinayak Hospital (Mahwa), Vedant Hospital(Mahwa), Goyal Hospital (Mahwa), Rohit Hospital, Saini hospital (Mandawar) |

## Strengths of Mahwa Block

- Geographically the block has a favourable location, and is well connected with Dausa city and Jaipur.
- Agreeable sanctioned versus available human resource in terms of number. Further, the workforce is skilled and dedicated at majority of the health facilities. Block NHM unit is well versed and has an appreciable hold over the block. Periodic training of the field staff is being organized by the block officials to enhance their skills, confidence and empower them.
- Protocol posters are available in the Labour rooms of all the health facilities. All the labour rooms are well equipped. Record maintenance, for example OPD, IPD register and delivery register is appreciable at majority of the facilities. **However, SDR and high risk pregnancy register are still a concern<sup>1</sup>.**
- The state launched online software ASHAsoft is being successfully implemented in the block. It has enabled regularisation of the payment for ASHAs directly in their bank accounts and keeps a track of their activities and has also led to an improvement in the health indicators.
- The block has improved on 12 week ANC registration, 114.35% achievement against the target), female sterilization, 79.29% achievement against the target, BCG vaccination, 122.63% against the target (Source District Health Office).

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<sup>1</sup> Validation during Block Monitoring Visits and comparison with the PCTS highlights inconsistencies in the Service Delivery Register at majority of the facilities.

## Situational Analysis

A basic thematic situational overview of Mahwa block has been organised over the RMNCH framework to identify the gaps and select specific areas to be addressed.

| Major area          | Core Issues                               | Actual status of the activity   | Recommendations to improve the situation   | Responsibility              |
|---------------------|---|---|--|-----------------------------|
| Reproductive Health |   |   |  |                             |
| Family Planning     | PPIUCD                                    | Improvement in uptake can be seen from 0 (2012-13) to 258 (Apr2014-Feb15), still the contribution in family planning methods is low (PCTS)  | -Inclusion of choice of family planning method in Mamta card thus the decision of the female can be accomplished after delivery.<br>- IEC and BCC in the community through ASHA and ANM for family planning method | State                       |
|                     | Fixed Day Static Service                  | Sterilisation camp in Mahwa on every Monday, IUD available in all CHCs and PHCs on all days. Male sterilisation not being conducted (PCTS)  | BCC for improved uptake among the community  | District officials          |
| Maternal Health     |   |   |  |                             |
| ANC                 | 12 week ANC Registration                  | Analysis of three year data of PCTS reveals an improvement in 12 week ANC registration. However the coverage is only 57% against the number of ANC registered. (Apr 2014-Feb 2015 PCTS) | -BCC for improved uptake among community and skill development of ASHA to counselling on early registration  | State<br>District officials |
|                     | 3 ANC check ups                           | Figures for 3 ANC check-up have declined in the past 3 years from 77% (2102-13) to 69% (Apr2014-Feb15) against the total number of ANC registered (PCTS )                               | - Regular monitoring of ASHA work<br>-Motivation of good performing ANM from each block through certificate and monetary incentive in DHS meeting  | -MOIC<br>-DC and CMHO       |
|                     | -Poor skills in prescribing the IFA at SC | -ANM is not able to identify the difference between therapeutic and prophylactic dose<br>-Lack of counselling over when and how to consume IFA  | <b>Short term:</b><br>-Knowledge enhancement of ANMs (identification between therapeutic and prophylactic and counselling) at sector level   | MOIC<br>District            |

| Major area | Core Issues  | Actual status of the activity   | Recommendations to improve the situation   | Responsibility  |
|------------|--|---|--|---|
|            |  | (Observed during MCHN session monitoring)   | meetings   | -MOIC and BCMO  |
|            | Lack of proper counselling to pregnant women during MCHN session | - No counselling on diet, family planning and institutional delivery has been observed on MCHN session<br>-ANMs are not educating the pregnant women towards identification of danger signs suggesting risk and complications (Observed during MCHN session monitoring) | -Emphasize on importance of counselling in sector and block meeting<br>-Random checking on MCHN session by MOIC<br>-Developing adequate IEC material showing danger sign in pregnant women and their distribution on MCHN session along with Mamta Card<br>- Training on HRP identification and its management | -BCMO and MOIC<br><br>-State/ District  |
| HRP        | Inability to identify high risk pregnancy                        | -Lack of skills and confidence among ANMs<br>-No register at facility level<br>-Red stickers on Mamta card is not being prioritized at facility level<br>-HRP is not being prioritized in the eyes of community (Observed during BMV and MCHN)                          | - Incentive for identification to ASHA<br>-Strengthening of skills of ANMs through supportive supervision<br>- Developing a HRP register with pre-defined columns<br>-IEC for HRP and BCC through ASHA   | -State<br>-District officials and developing partners<br>-State<br>-State/ District |
|            | Tracking   | No tracking mechanism   | -Development of online tracking mechanism (PCTS/new software)<br>-Unique marking of the house of HRP thus easy identification and follow up by ASHA  | -State<br>-District   |
|            | Management   | -Iron sucrose camps are being held at CHC level only<br>-Unavailability of blood transfusion facility at First Referral units.  | -Iron Sucrose injection can also be administered by MOIC of PHCs<br>-FRU should be fully functional ( for C-section facility, blood storage unit)<br>-Blood transfusion facility should be made available at DH/FRU<br>-Proper referral channel should be pre decided  | -State  |

| Major area    | Core Issues                            | Actual status of the activity   | Recommendations to improve the situation  | Responsibility                     |
|---------------|--|---|---|------------------------------------|
|               |  |   | to avoid 2 delay – transport and seeking care<br>-Reminder calls to HRP cases for attending the camp<br>-Training and skill development of LR staff on management of HRP  | -Concerned facility staff          |
| PNC           | Follow-up post delivery                | -Compromised quality of PNC (observed during field visit)   | -ASHA should be trained perfectly to fill newly implemented yellow cards (HBPNC)<br>-Random assessment of the quality of PNC by MOIC  | - District                         |
| FRUs          | Fully functionality of FRUs in a block | -Both the CHCs in the block are not fully functional FRU as per norms<br>-Caesarean section is not being done on any of the CHC<br>-Non availability of anaesthetist<br>-Blood storage unit available but non-functional due to pending license<br>-Availability of Operation Theatre but used only for family planning | - District may sign a MOU with private hospitals running near CHC Mahwa and CHC Mandawar to provide anaesthetist through RMRS fund<br>-training of few MOs in LSAS training<br>- Fulfil the requirements for blood storage unit and take license from state licensing unit. | -DC and CMHO<br><br>-State         |
| Labour Room   | Quality in LR                          | -Disinfection protocols are not being followed (Observed during LR assessment)<br>-Partograph not being filled/incorrectly filled (Observed during LR assessment)   | - Monthly monitoring of LR by Block Officials<br>- Training over disinfection to MOIC, LR staff and class IV<br>-Training of LR staff on filling of partograph  | -Block Officials<br>-District      |
| Home Delivery | Mapping of HD                          | - Considerable decline has been observed in home deliveries from 367 (2012-13) to 133 (April2014- Feb15) (PCTS)   | -Identification of areas with high home deliveries.<br>-Strengthening of SC of those areas as potential delivery points with the help of untied funds<br>-Counselling on institutional delivery during  | - District and developing partners |

| Major area                        | Core Issues  | Actual status of the activity   | Recommendations to improve the situation   | Responsibility   |
|-----------------------------------|--|---|--|--|
|                                   |  |   | ANC visits where home deliveries are high  |  |
| MDR<br>(Maternal<br>Death Review) | MDR  | -MDR at DHS needs to be conducted in a comprehensive way, as per guidelines<br>-Still there is under reporting of maternal deaths due to fear among ANMs and ASHAs  | -Coordination between health department and birth and death registrar office to extract the information on maternal deaths<br>- Discussion of MDR findings in DHS meeting for corrective actions<br>- Training on importance of social audit at block level for ANM and ASHA   | -District<br><br>-DC   |
| Institutional<br>Delivery         | Quality of<br>services<br>rendered   | -Institutional deliveries at public institutions has decreased from 3721 (2012-13) to 3240 (April 2014-Feb15), while deliveries at private institution has increased from 2657 (2012-13) to 3815 (April2014-Feb15) (PCTS) | - improving the quality of services rendered at public health facilities by implementation of quality models (ISO, FFHI, NABH)<br>- Feedback from discharged patients over the services rendered and development of accountable grievance redressal mechanism<br>- Community Survey on regular basis over why private institutions are being preferred over public | -State<br><br>-District<br><br>- District and<br>Developing<br>partner |
| <b>Child Health</b>               |  |   |  |  |
| NBCC                              | Development at<br>potential<br>delivery points<br>and<br>strengthening at<br>existing delivery<br>points | -non availability of radiant warmer at some delivery points<br>-low availability of Inj. vitamin K<br>-Some of the staff deputed in labour room are not trained in NSSK (BMV visits)                                      | - provision of traditional bulb system at facilities where radiant warmer not available<br>-ensure availability of Vitamin K at all level especially at delivery points<br>-prioritize the training of untrained LR staff in NSSK  | -District<br><br>-District Drug<br>Warehouse<br><br>-State/District    |
| NBSU                              | Development at<br>CHC Mandawar<br>and CHC Mahwa  | -Increase in number of newborns weighing less than 2.5 Kg at birth from 1108 (2012-13) to 2574 (April2014-Feb15) (PCTS)<br>-Only one NBSU is available at CHC Mahwa,  | -Trained staff should be made compulsory to be posted in NBSU unit<br>- Development of new NBSU unit at CHC Mandawar   | -State<br><br>-CHC In-Charge   |

| Major area           | Core Issues                     | Actual status of the activity  | Recommendations to improve the situation   | Responsibility                           |
|----------------------|---------------------------------|--|--|--|
|                      |                                 | and staff trained in NBSU is posted in other department<br>-No provision of NBSU at CHC Mandawar   |  |  |
| Infant Death Review  | Status of IDR                   | -Performa for IDR not available and no orientation given on how to conduct it.<br>-Under reporting of Infant Deaths<br>-No review of IDR reasons in DHS  | -Incentivizing ASHA for reporting of infant deaths (as done in Banswara)<br>-Discussion of IDR findings in DHS meeting for corrective actions  | -State<br><br>-DC                        |
| Breast Feeding       | Early breast feeding            | -Amrit Kaksh was not available in JSY ward in both the CHCs  | -District should ensure establishment of Amrit Kaksha in both the CHCs   | -District                                |
| MTC                  | Functionalization of MTC Mahuwa | -There is no infrastructure for MTC<br>-Funds not available for setting up of MTC<br>-Unavailability of trained staff  | -Proposal for functionalization of MTC at CHC Mahwa in PIP 2015-16   | -District                                |
| Immunisation         | Full Coverage                   | -Decrease in children with full immunization from 4863 (2012-13) to 4475 (April2014-Feb15) (PCTS)  | -Monthly special catch up round for drop out children<br>-BCC for community by ASHA  | -District                                |
| ARSH Clinic          | Functionalization               | - Unavailability of ARSH clinic in block   | -Establishment of ARSH clinic in both the CHCs   | -District                                |
| <b>Miscellaneous</b> |                                 |  |  |  |
| MCHN Session         | Quality of MCHN sessions        | -Unavailability of logistics<br>-Lack of counselling<br>-ANM skills (Hemocheck)<br>-Less equipped AWC for MCHN Sessions<br>-Incomplete SDR<br>-No Adolescent meeting on MCHN day due to discontinuation of funds given by government for adolescent monthly meeting<br>-No take home ration (ICDS) | -ANM should ensure availability of missing logistics through untied funds<br>-Regular monitoring of MCHN session by the sector MOIC<br>-Strengthening of ANM skills through block meetings<br>-Review of MCHN findings in Block meetings | -concerned ANM<br><br>-MOIC<br><br>-BCMO |



| Major area             | Core Issues  | Actual status of the activity  | Recommendations to improve the situation   | Responsibility                    |
|------------------------|--|--|--|-----------------------------------|
|                        |  | -No VHSNC meeting after session (observed during MCHN session visit)   |  |                                   |
| HR                     | Rational Deployment and deputation of staff in other departments | -Information Assistant posted in Bhamashah Yojana instead of his relevant department<br>-Head quarter stay for staff (ANM/Staff Nurse/Doctors): Either not being used by currently assigned or not available   | -IA should be relived from other government department<br>-In case deputation of IA required then DC should make such an arrangement for equal distribution of time for both departments<br>-Head Quarter stays not being used should be monitored<br>(Performance of facility should be consider before giving head quarter allowances) | - District                        |
| Referral Linkages      | Proper referral system   | -Few 104 vehicle should be deployed near to those SC where delivery load is high<br>-There is no system to utilize the base ambulances   | -Need based deployment of 104 and 108 ambulances<br>-Base ambulances should also be connected with centralized call center and can be used for intra-facility transportation<br>-Base ambulances should be upgraded to BLS and can be used as a referral transport for critical cases  | -District<br>-State<br><br>-State |
| Fund Utilization (NHM) | Fund Utilization   | -Lack of Utilization Certificate development skills among health staff<br>-Pending reconciliation of previous year expenditures<br>-Fund from the district are disbursed under 3 major heads (RCH flexipool, NRHM flexipool and Immunisation) rather than individual budget heads of PIP | -Training should be given by block accountant for managing accounts<br>-Ensure reconciliation of previous year expenditure through camp approach at block office<br>-BHAP on the similar line of DHAP should be developed and fund should be disburse according to individual budget heads of PIP  | -Block Officials<br><br>-State    |

## Selected Focus Areas - Potential for Impactful Change in a Short Term

### 1. Establishment of Malnutrition Treatment Center (MTC) at CHC Mahwa

The first five years of life are important as they are the foundation to good health and nutrition for optimum physical and developmental growth. During this phase of life the child is vulnerable towards the vicious circle of malnourishment, infections, disease which may eventually result in disability. Nutrition is a multi-faceted problem and involves the role play of many factors such as poverty, lack of purchasing power, ignorance, unavailability of health care, gender bias, illiteracy etc. Studies indicate nutrition affects the sensorimotor and cognitive development of a child and performance at school<sup>234</sup>. Birth weight is also an important indicator of child's health. Low birth weight babies are at higher risk of being undernourished.

#### Rationale:

- Undernourishment is associated with high levels of morbidity and mortality rates for children. According to PCTS data among the 7125 children born in the block in 2014-15, 2574 (36.12%) weighed below 2.5 kg and were at a higher risk of being malnourished.
- There is lack of identification of Severe Acute Malnutrition (SAM) and Moderate Acute Malnutrition (MAM) children at the field level which leads to lack of referral to MTC located at the district hospital.
- Another reason which may lead to lack of referral of SAM children may be unavailability of MTC at the block level. As the district hospital is around 60 km away from the block, even the identification of SAM children does not lead their successful admittance.
- PCTS data for April 2014-Feb 2015 reveals 59 admissions in district MTC for 0-2 years and 19 admissions for 2-5 years children. The data also shows marginal admissions, against the estimated children having low birthweight.

#### Strengths and Gaps:

A MTC has been sanctioned for the CHC Mahwa. Interaction with CHC authorities revealed presence of an empty room in CHC at G+1 floor which can be potentially developed as MTC (therefore space has been identified). The room is of adequate size with an attached toilet. However the infrastructure needs to be put in place and materials and equipment procured to establish a functional MTC.

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<sup>2</sup> Rampersaud GC, Pereira MA, Girard BL, et al (2005). Breakfast habits, nutritional status, body weight, and academic performance in children and adolescents. *Journal of American Dietetic Association*. 105:743-760.

<sup>3</sup> Walker, S. P., Wachs, T. D., Gardner, J. M., Lozoff, B., Wasserman, G. A., Pollitt, E., ... & International Child Development Steering Group. (2007). Child development: risk factors for adverse outcomes in developing countries. *The Lancet*, 369(9556), 145-157.

<sup>4</sup> Ghosh, S., Chowdhury, S. D., Chandra, A. M., & Ghosh, T. (2014). Grades of undernutrition and socioeconomic status influence cognitive development in school children of Kolkata. *American journal of physical anthropology*.

### Advantages of Establishing MTC:

- Establishment of MTC can lead to increase in ground level referral as the services will be easily accessible
- Availability of the services can also act as a medium for motivation for the field level workers to screen and identify SAM children as there will be access to treatment
- The CHC has geographically favourable location and is well connected with the sectors of block. Hence MTC functionalization there will also lead to reduction in travel time and travel cost.

### Recommendations:

- **Utilization of untied funds:** The funds at the level of CHC can be utilized for establishment of the infrastructure. The identified room can be partitioned to establish a nursing station and kitchen. Material procurement for kitchen, nursing station and play area is possible via CHC funds.

**Table1: Estimate of MTC Functionalization**

| Sr. No.                      | Items                      | Total cost (Rs.) |
|------------------------------|----------------------------|------------------|
| <b>One time expenditure</b>  |                            |                  |
| 1                            | Kitchen                    | 20,000           |
| 2                            | Cots and Mattress          | 40,000           |
| 3                            | Essential ward equipment   | 50,000           |
| 4                            | Other ward equipment       | 35,000           |
| 5                            | Kitchen equipment          | 30,000           |
| <b>Recurrent expenditure</b> |                            |                  |
| 6                            | Kitchen supplies           | 75,000           |
| 7                            | Drug and consumables       | 75,000           |
| 8                            | Contingency                | 20,000           |
| <b>Human resource</b>        |                            |                  |
| 9                            | Medical officer(1)         | 3,60,000         |
| 10                           | Nurses (4)                 | 4,80,000         |
| 11                           | Nutritional counsellor (1) | 1,80,000         |
| 12                           | Cook cum care taker        | 60,000           |
| 13                           | Attendant (2)              | 84,000           |
| <b>Total</b>                 |                            | <b>1,509,000</b> |

- **Training ASHAs to identify and refer malnourished children and counsel their families on the 'negative impacts of under nutrition':** ASHA's inability to identify SAM and MAM children at field level is another lacuna which needs due consideration. On interaction with ASHA's the reasons that were drawn were, lack of confidence for usage of MUAC tape, lack of motivation because even the identification won't ensure the treatment of

the children as MTC is non-functional. Further, there are no added incentives for identification and referral which also acts as a demotivating factor.

- There are 193 ASHA's in the block. Strengthening their basic skills during sector level meetings can help improve referral. Provision of incentive to ASHA for identification and referral will be an added advantage.
- Counsel families on the impact of under nutrition on cognitive and physical development of their child which in turn impacts school performance.

| Recommendation                                      | Responsibility      |
|---|---------------------|
| Utilisation of Untied funds                         | District            |
| Training of ASHA for identification of SAM children | Block               |
| Incentive for ASHAs-identification of cases         | State Consideration |

## 2. Strengthening of Sub Centers for Delivery Services in High Home Delivery Pockets

### Rationale:

In Mahwa block deliveries are not being conducted and new born care is not being provided at sub-center level. There are certain areas with a high number of home deliveries. Based on the PCTS data (April 2014-Feb 2015) 133 reported home deliveries have occurred this year. Therefore it is imperative to provide delivery care services at SC level in these areas. The sub center is the peripheral and first point of contact between primary health care system and community, rendering the primary health care services to a population of 5000. Thus strengthening of the services at these centers may lead to a decline in home deliveries and also promote institutional deliveries.

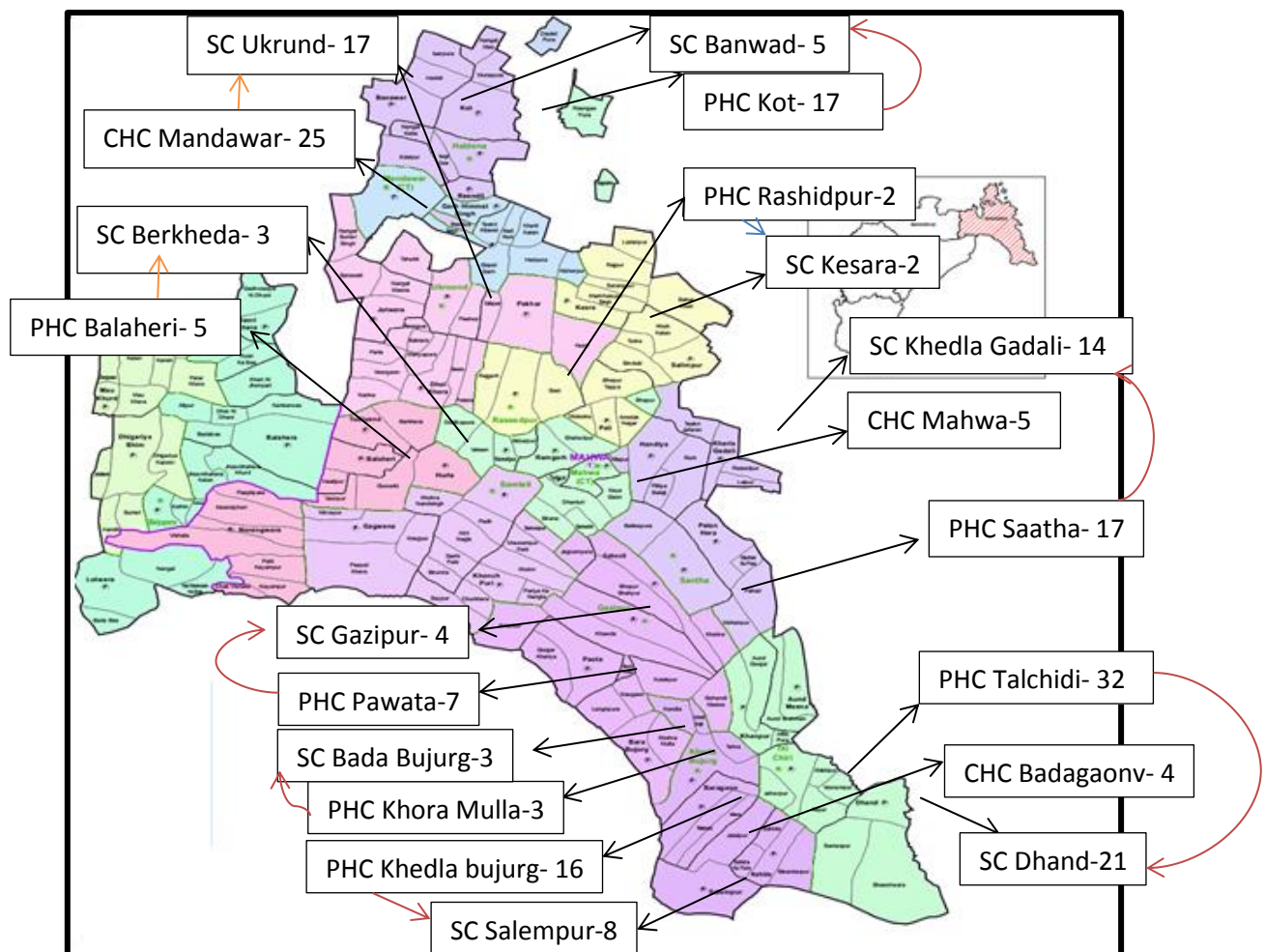
### Key Advantages of providing delivery services at Sub Centers:

- Closer access to institutional deliveries in areas that have many home deliveries
- Access to more comprehensive maternal and child health services
- Reduction in travel time to health facilities
- Decrease delivery load on other facilities, especially CHCs and PHCs

### Strengths and Gaps:

- Out of 133 (April 2014-Feb 2015) home deliveries 110 were conducted by Skilled Birth Attendants. This highlights the existence of skilled personnel in the field which are available and willing to conduct deliveries at a sub center level.
- Currently deliveries are being conducted at SC Ramgarh highlighting the potential of certain subcenters to function as delivery points
- ANMs have conveyed their willingness and confidence to conduct deliveries, and this will be re-assessed before strengthening specific centers
- However labor rooms need to be created and equipped to conduct deliveries at sub centers- infrastructure updated to provide services related to delivery and newborn care

Reported Home Deliveries in Mahwa (sector wise details based on PCTS): PHCs and CHCs depict home deliveries for that particular sector, while related SC shows the areas with highest contributing burden.



**Short term recommendation:**

- **Identification of potential SCs for conducting deliveries:**
  1. Sectors/areas that have high number of home deliveries identified
  2. Basic infrastructural facilities which include building, water supply and electricity should be present
  3. Willingness, skill and confidence of concerned ANM scrutinized

**Identifying SC's for Strengthening**

| Sub-centers        | Haldena (CHC Mandawar) | Berkheda (PHC Balaheri) | Vishala (PHC Balaheri) | Jatwara (CHC Mandawar) | Konchpuri (PHC Pawata) | Pakhar (PHC Rashidpur) | Gehnoli (PHC Saatha) |
|--------------------|------------------------|-------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|
| Building available | Yes                    | Yes                     | Yes                    | Yes                    | Yes                    | Yes                    | Yes                  |
| Labour room        | Yes                    | Yes                     | Yes                    | Yes                    | Yes                    | Yes                    | Yes                  |

|  |            |                                   |  |         |         |        |               |
|--|------------|-----------------------------------|--|---------|---------|--------|---------------|
| <b>available</b>                             |            |                                   |  |         |         |        |               |
| <b>Electricity</b>                           | Yes        | Yes                               | Yes  | Yes     | Yes     | Yes    | Yes           |
| <b>Water</b>                                 | No         | No                                | Yes  | No      | Yes     | No     | No            |
| <b>ANM available and Willing<sup>5</sup></b> | Yes        | Yes                               | Yes  | Yes     | Yes     | Yes    | Yes           |
| <b>Nearest high home delivery area</b>       | Banwad Kot | Itself a high home delivery place | Baijupada, Balaheda, Digriya Bheem (PHC Lotwara, Bandikui block) | Ukroond | Gazipur | Kesara | Khedla Gadali |

**– Utilization of untied funds:**

Utilization of untied funds at the respective SC to ensure availability of basic logistics for the provision of delivery and new-born care services

**– A revision of delivery procedures for ANMs of strengthened sub-centers:**

Utilization of untied funds at the respective SC to ensure availability of basic logistics for the provision of delivery and new-born care services

**– IEC Materials for high home delivery areas:**

Information about closest facility which is functional and conducts delivery provided pregnant women and community members, to facilitate use of strengthened sub centers

**– Availability of 104 in high home delivery pockets:**

The possibility of 104 being deployed in areas if high case load should be explored

**Long term recommendation**

**– Regular follow up of strengthened sub centers:**

1. After setting up of delivery services at identified sub centers regular follow up by the sector Medical Officer In-charge is required to ensure functionality of the SC.
2. Monitoring data for institutional and home deliveries in the catchment area will guide further changes and decisions
3. Based on improvement in case load and ANM performance rational – deployment can be phased in.

<sup>5</sup> Interviews conducted by EI and data have shown how conducting deliveries at sub centers can be successful if an ANM is willing and confident. Trust is an important factor in people accessing particular health personnel for care.

| Recommendation  | Responsibility                    |
|---|-----------------------------------|
| Identification of potential SCs for conducting deliveries | Development Partners and District |
| Utilisation of Untied funds                               | District                          |
| Revision of delivery procedures for ANMs                  | BPM, District                     |
| IEC Materials for high home delivery areas                | BPM, District                     |
| Availability of 104 in high home delivery pockets         | State                             |
| Ensuring functionality of SC                              | MOIC                              |
| Monitoring of data for home and institutional delivery    | BPM, DPM                          |
| Rational deployment of ANM based on case load             | CMHO                              |

### 3. Review of Maternal Deaths and Reporting of Infant Deaths at Sector and Block Meetings

#### Maternal Deaths:

As per the AHS data the MMR of the state has decreased from 331 (2010-11) to 208 (2012-13). Dausa lies in the Jaipur zone. At the zonal level the MMR has declined from 319 (2010-11) to 152 (2012-13). Although this is a positive decline, it still constitutes a large figure and needs to be addressed. According to PCTS data the 9 maternal deaths have occurred in Dausa District from April 2014- Feb 2015. As compared to the AHS (2012-13) data on maternal deaths this number is marginal. There is under reporting of maternal deaths in PCTS even. One of the potential reasons could be under reporting of maternal deaths, which in turn could be related to fear in field level workers about judging the quality of their services. This compromises data quality and designing evidence-based solutions.

#### Maternal Deaths in Dausa District (April 2014-Feb 2015 PCTS)

| Block  | CHC/PHC   | SC               | Village          | Name                     | Age | Death Reason |
|--------|-----------|------------------|------------------|--------------------------|-----|--------------|
| Dausa  | Alooda    | Ladli Ka Bas     | Ladli Ka Bas     | Pinki                    | 21  | Other reason |
| Dausa  | Bapi      | Maheshwara Kalan | Maheshwara Kalan | Alka                     | 25  | Bleeding     |
| Dausa  | Charred   | Charred          | Charred          | Priti                    | 24  | Bleeding     |
| Dausa  | Lawaan    | Nagal Govind     | Nagal Govind     | Mamta                    | 22  | Other reason |
| Dausa  | Sainthal  | Boroda           | Choti Basari     | Rukmani<br>Devi<br>Meena |     | Other reason |
| Dausa  | Titarwada | Kali Pahadi      | Kali pahadi      | Prem                     | 28  | Other reason |
| Lalsot | Didwana   | Salempur         | Arnia kalan      | Mamta                    | 23  | Abortion     |
| Mahwa  | Kot       | Kot              | Munnapura        | Kalavati<br>Meena        | 28  | Bleeding     |
| Mahwa  | Rashidpur | Pakhar           | Pakhar           | Asha                     | 20  | Bleeding     |

**As highlighted in the table the clinical cause, if described, does not point to what was the specific health system gaps related to cause of death.**

**Additionally stating 'Other Reasons' brings out no critical finding to proceed with evidence based planning .**

### Infant Deaths:

According to AHS data the infant mortality rate for the district shows a small decline from 57 (2010-11) to 53 (2012-13). The figure is still large requiring due consideration.

PCTS data reveals 75 neonatal deaths in the district out of which 7 took place in Mahwa. A total of 97 infant deaths occurred in the district (April 2014- Feb 2015). On the other hand 'infant death report' shows 114 infant deaths in the district. **This also highlights data discrepancy in the PCTS.**

### Comparison of Block and district for neo-natal, infant and under 5 year child deaths

(Source PCTS, data Apr 14 to Feb 15)

| Indicator                  | Mahwa block | Dausa district | Contribution of Mahwa block to Dausa district |
|----------------------------|-------------|----------------|---|
| No. of Neo-natal death     | 7           | 75             | 9.3%  |
| No. of Infant death        | 9           | 97             | 9.3%  |
| No. of Under 5 years death | 10          | 105            | 9.5%  |

### Details of infant deaths in the district and block during April '14-Feb '15 (Form 9 and 9A)

| Details of infant death with probable cause | April 2014- Feb 2015                |       |                                   |       |          |       |
|---|-------------------------------------|-------|-----------------------------------|-------|----------|-------|
|   | Infant death before 24 hrs of birth |       |                                   |       | District | Block |
| Infant death up to 4 weeks by cause         | Up to 1 Weeks of Birth              |       | Between 1 Week & 4 Weeks of birth |       | Total    |       |
|   | District                            | Block | District                          | Block | District | Block |
| Sepsis                                      | 6                                   | 1     | 0                                 | 0     | 6        | 1     |
| Asphyxia                                    | 1                                   | 0     | 0                                 | 0     | 1        | 0     |
| LBW   | 9                                   | 0     | 1                                 | 0     | 10       | 0     |
| Tetanus                                     | 0                                   | 0     | 0                                 | 0     | 0        | 0     |
| Others                                      | 27                                  | 5     | 5                                 | 0     | 32       | 5     |
| Infant/Child death up to 5 years by cause   | Between 1 months and 11 months      |       | Between 1 year and 5 year         |       | Total    |       |
|   | District                            | Block | District                          | Block | District | Block |
| Pneumonia                                   | 8                                   | 0     | 0                                 | 0     | 8        | 0     |
| Diarrhoea                                   | 1                                   | 0     | 0                                 | 0     | 1        | 0     |
| Fever related                               | 0                                   | 0     | 0                                 | 0     | 0        | 0     |
| Measles                                     | 0                                   | 0     | 0                                 | 0     | 0        | 0     |
| Diphtheria                                  | 0                                   | 0     | 0                                 | 0     | 0        | 0     |
| Others                                      | 22                                  | 2     | 8                                 | 1     | 30       | 3     |



### Details of Infant deaths in Mahwa Block April 2014- Feb 2015 (Infant death report)

| Name     | Age      | Sex    | CHC/PHC         | SC        | Reason                   |
|----------|----------|--------|-----------------|-----------|--------------------------|
| Kejriwal | 6 months | Male   | CHC Mandawar    | DNA       | Other                    |
| Krishna  | 4 months | Female | PHC Rashidpur   | SC Pakhar | Other                    |
| Natik    | DNA      | DNA    | CHC Mandawar    | DNA       | other                    |
| Baby     | DNA      | DNA    | CHC Mandawar    | DNA       | other                    |
| Baby     | 1 day    | Male   | CHC Mandawar    | DNA       | Infection                |
| Lacky    | 1 day    | Male   | CHC Mandawar    | DNA       | Other                    |
| Baby     | 2 day    | Male   | CHC Mandawar    | DNA       | Other                    |
| Baby     | 1 day    | Male   | PHC Khora Mulla | DNA       | Within 24 hours of birth |
| Kesri    | 4 days   | Male   | PHC Rashidpur   | SC Pakhar | Other                    |

\*DNA = Data Not Available

**The reason for 8 out of the 10 deaths was 'others' which limits policy makers at state level to discuss and draw out the system gaps.** Even if cause was detected as infection, it does not describe if the infection occurred at hospital or home, type of infection, treatment and involvement of ASHA and ANMs.

#### **Rationale:**

Facility based audits of reported maternal deaths is being currently done in the district but unfortunately corrective actions on the basis of reasons identified are not being undertaken at either the block or district level. No audits according to GoI norms are being conducted for infant deaths, although they are being reported. A discussion and review of maternal and infant deaths at block and sector meetings could draw out **health systems related information and gaps leading to the cause**, apart from clinical cause of death. Preventive and corrective actions can be planned accordingly.

#### **Advantages:**

- Detailed discussion of Cause of Maternal Death
- Detailed discussion of Cause of Infant Death
- Discussion between health personnel at all levels: to prevent deaths and plan for future steps - short and long term.
- Complete Information reaching field workers which also serves as a feedback mechanism: so that there is a broader awareness of cause and greater engagement overall.

#### **Short term recommendation:**

- **Review and discussion of maternal and infant deaths in block and sector level meetings:** To identify the gaps and subsequent corrective actions planned and taken

- **Quality training of MOIC and BCMOs on conduction of social audit for maternal and infant deaths**
  - Train health workers in the use of the maternal and infant death audit form, as formal tools for the audit process and how to use the audit findings
  - Address the concerns and fears of health workers regarding maternal and infant auditing
  - Sensitize Maternal and Infant Death Review (MIDR) Committees- Local community representatives, including family member of deceased should participate during social audits. Meeting minutes should be shared with district officials.
  
- **Skill building of ASHA** to sensitize community towards maternal and infant deaths
  - Sensitize the ASHA with establishing how deaths can be identified.
  
- **Relevant IEC in the community** towards 3 delays and the crucial role they play, hygiene post-delivery for mother and child.
  
- **Reviews** both infant and child deaths **during DHS** by DC, to bridge identified gaps- family member of the deceased should be present. Responsible officers should be instructed to take necessary actions.

**Long term recommendations:**

- **ASHA should be incentivized** on reporting of infant deaths which may help resolving the under reporting issue.
  
- **Validation of social audit:** it can be done through cross block/district exercise where one block/district validates information from another. The validation should be discussed at DHS where quality of social audit can be discussed in length. In HPDs, it should be also discussed in RMNHC+A meetings.
  
- **A block level samelan for Sarpanch and Ward Panch:** It is recommended that Sarpanches and Ward Panches should participate in social audits.

| Recommendations  | Responsibilities      |
|--|-----------------------|
| Training of MOIC and BCMO on conduction of social audits                         | State                 |
| IDR as per CDR guidelines  | District              |
| Review in Block and Sector meeting   | MOI/C/Block official  |
| Skill building of ASHA to sensitize community towards maternal and infant deaths | MOI/C /Block official |
| Relevant IEC for community   | State                 |
| Discussion in DHS for corrective action  | District              |

|   |                            |
|---|----------------------------|
| Incentive to ASHAs for infant death               | State                      |
| Validation of social audit                        | State/District             |
| A block level Samelan for Sarpanch and Ward Panch | Block official<br>District |

#### 4. Functionalization of First Referral Units -Operationalization of Blood Storage Unit and Availability of Anaesthetist

##### Rationale:

The estimated maternal mortality for Jaipur Zone (*including Jhunjhunun, Alwar, Dausa, Sikar & Jaipur*) is 152 (AHS 2012-13). These include complications like anaemia, haemorrhage, hypertension, obstructed labour, sepsis and infection and unsafe abortions. As per national policy and guidelines First Referral Units are established to handle and provide Emergency Obstetric Care for members of that community. The two CHCs in Mahwa block have been selected by the district and designated as FRUs based on the scoring guidelines of Gol. However they are not completely functional.

##### Strengths and Gaps:

The critical determinants of operationalization are either lacking or incomplete. These include 24 hours availability of surgical interventions, new-born care and blood storage<sup>6</sup>. The table below outlines the status of the FRUs highlighting the gaps and strengths to draw out its potential to become functional units.

| Sr. No. | Particulars                           | CHC Mahwa                                | CHC Mandawar                             |
|---------|---------------------------------------|--|--|
| 1       | <b>Availability of Services</b>       |  |  |
| 2       | Functional OT                         | Yes                                      | Yes                                      |
| 3       | Functional LR                         | Yes                                      | Yes                                      |
| 4       | NBCC                                  | Yes                                      | Yes                                      |
| 5       | Blood Storage Unit                    | Yes <b>(No Licence)</b>                  | <b>No</b>                                |
| 6       | Referral Services (Public/ Private)   | Two Base Ambulances, One 108 and One 104 | Two Base Ambulances, One 108 and One 104 |
| 7       | <b>Availability of Human Resource</b> |  |  |
| 8       | Gynaecologist                         | Yes                                      | Yes                                      |
| 9       | Paediatrician                         | Yes                                      | Yes                                      |
| 10      | Anaesthetic                           | <b>No</b>                                | <b>No</b>                                |
| 11      | Medical officer                       | Yes                                      | Yes                                      |

<sup>6</sup> Guidelines for Operationalising FRU: Gol (2004)



exists at the CHC, but is non-functional due to licencing issue. For issuance of a licence, linkage of BSU to a Blood Bank is a pre-requisite. Currently a blood storage unit is located at district hospital, Dausa.

**CHC Mandawar:**

Establishment of **licenced blood storage unit and anaesthetist is required** for operationalization of FRU.

**Short Term Recommendation:**

- **Resolving HR gap in FRU:**
  - **Rational Deployment:** Re-deployment of personnel to fill the gaps could be transferred from within the districts or outside to ensure availability of specialized doctors. This could be from a low delivery load area to high delivery load or deployment on an on call basis from another facility based on feasibility of deployment.
  - **Hiring Private Specialist from Rajasthan Medicare Relief Society:** State could authorise the District Collector to hire an anaesthetist from private hospitals on an on call, in line with the policy guidelines for FRUs. The Collector can sign a MoU with private doctors to provide their services on call basis.
  
- **Ensure legal compliance of blood storage unit:** CHC authority should try to meet out the legal compliance and expedite the process to get the blood storage unit license from state licensing authority. Exploration and follow up on possibilities to tie up with a Blood Bank should be on a priority basis.

**Long Term Recommendation:**

- **Training of Existing Medical Officer:** Considering the general lack of anaesthetists at both the CHCs, it is feasible to train any one of the MBBS doctor from CHC in life saving anaesthetic skills. Such a training programme is being conducted by the Federation of Obstetrical and Gynaecological Societies of India (FOGSI) to train the MBBS doctors for management of obstetric emergencies (including C-section) and New-born Care.
  
- **Rational Deployment:** The State Government should formulate appropriate guidelines to enable the Chief Medical & Health Officers to identify and rationally deploy specialists and paramedical staff within the district to fill HR gaps at facilities where the requirement is minimal for establishing functionality of services and beneficial for a large catchment area.
  
- **Multi-Skilling Training:** Design appropriate training programmes and guidelines for the multi-skilling of doctors and paramedical staff. This will also enable future

positioning of staff to become slightly easier. A well outlined salary structure for multi-skilled staff could also help in retention of staff important facilities.

| Recommendation   | Responsibility  |
|--|-----------------|
| Deployment of specialist   | State           |
| Hiring Private Specialist from Rajasthan Medicare Relief Society | District/State  |
| License renewal of blood storage unit                            | District        |
| LSAS training of MO within block                                 | SIFHW           |
| Guidelines for rational Deployment                               | Sate            |
| Multiskilling  | State and SIHFW |

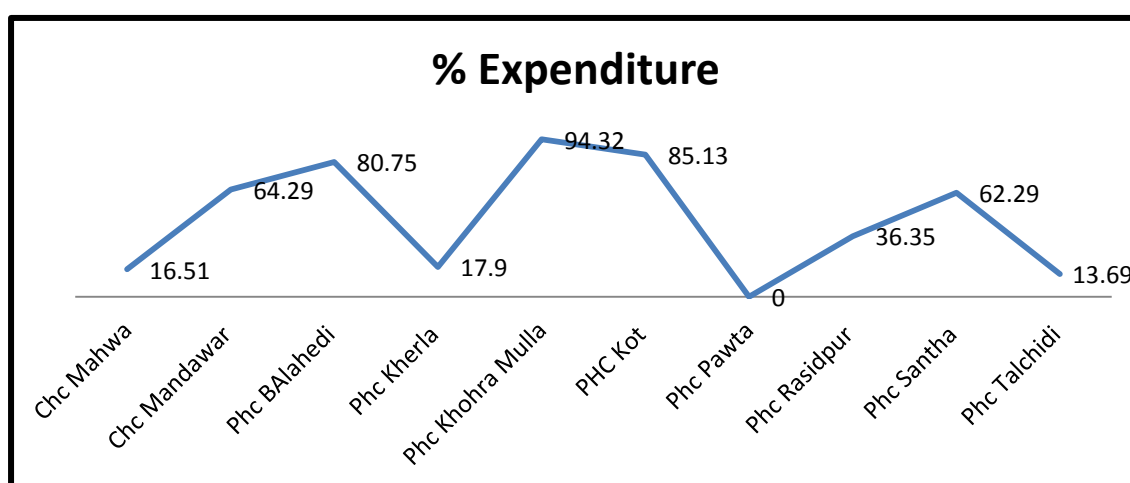
### 5. Addressing the gaps affecting the Utilization Pattern of Untied funds

The Government of India launched the National Rural Health Mission (NRHM) in April, 2005 to carry out necessary changes in the primary health care delivery system. It focuses on to provide comprehensive and integrated primary healthcare to improve the health outcomes. To achieve above mentioned goals differential funding is needed from the center and state governments. Under the National Rural Health Mission (NRHM), there is a provision of innovative funds such as annual maintenance grant, annual corpus grant to Rogi Kalyan Samitis, and untied grant for maintaining infrastructure, patient welfare and other day-to-day needs which might not be addressed in the traditional funding.

#### Rationale:

A detailed assessment is needed to understand the factors which can affect the pattern of fund utilization at facility level. Analysis will identify the best performing facility and worst performing facility in term of their utilization pattern and it will be easy to track the factors and reasons which led to slow down and speed up the fund utilization.

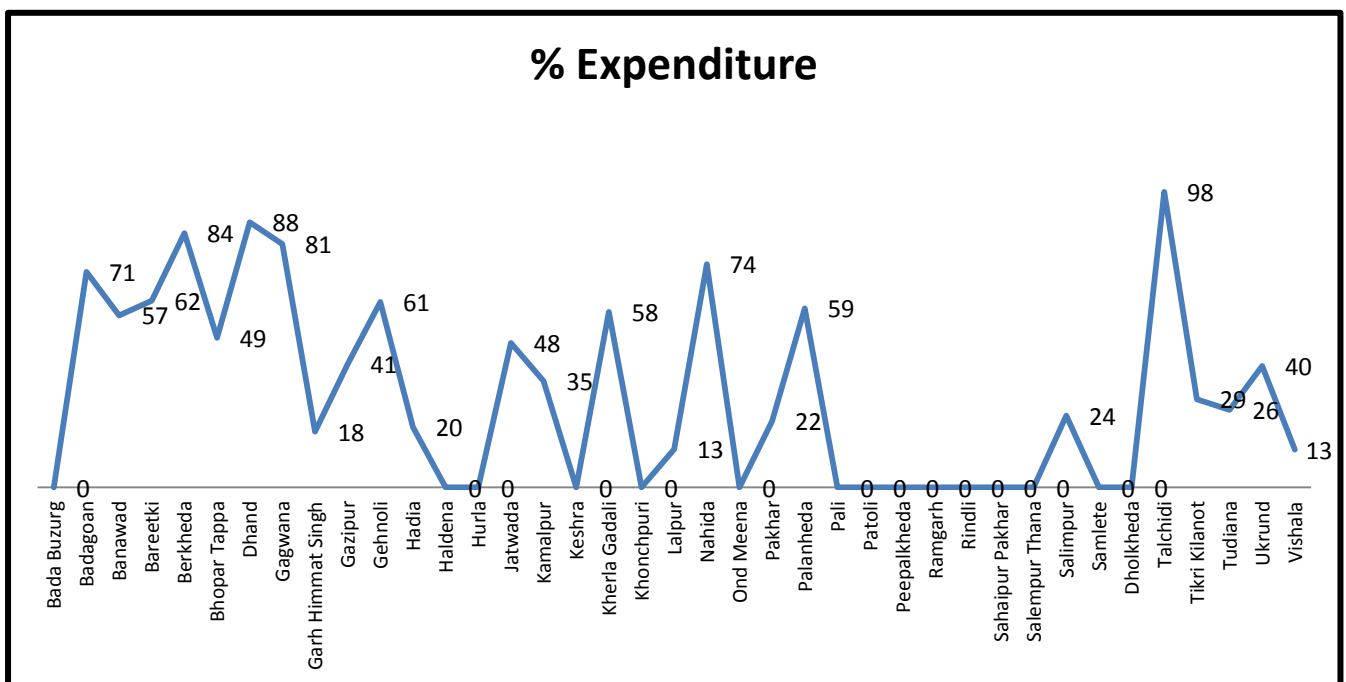
#### CHC and PHC wise untied fund utilization Apr 2014 to Feb 15



As evident from the above figure, three facilities in the block namely PHC Balahedi, PHC Khora Mulla, and PHC Kot has ensured more than 80% untied fund utilization for year 2014-15. These PHC were able to utilize more than 80% of funds because district authority and Earth Institute<sup>7</sup> has taken the task to ensure fund utilization at randomly selected facilities through gap analysis in core specific areas of labour room, infrastructure, cleanliness and availability of necessary services. On the basis of gap analysis, action plans were prepared in consensus of facility in-charge to bridge the gaps through available discretionary funds. District Collector has also extended his full support towards this initiative and he personally reviewed the utilization in district health society meeting.

On the other hand block has four facility namely as CHC Mahwa, PHC Kherla, PHC Pawta and PHC Talchidi has utilized less than 20% their untied fund.

SC wise untied fund utilization Apr-14 to Feb-15



Sub center wise fund utilization shows that 16 sub center out have 38 have not utilized their untied fund in year 2014-15. Rest of the sub centers have made efforts to ensure utilization to improve the basic services at sub center level.

Proper utilisation of untied funds helps to overcome any bottlenecks that arise in the delivery of public health services. Despite the availability of discretionary funds for each facility, many of the health facilities remain poorly maintained with major quality gaps due to improper and under-utilization of these available resources. It is essential to identify the

<sup>7</sup> Earth Institute has been requested for the assessment of CHC and PHC and support the district in preparing action plan for the un-utilise fund based on Indian Public Health Standards (IPHS).

major issues pertaining to no or less utilization of such funds at facility level and recommend possible solutions to resolve them.

**Gaps:**

- **Late release of funds:** Guideline issued by government clearly states the activities where these funds can be used. But, the guideline does not focus on timeline for such funds to be released to district, block, CHCs, PHCs and SCs. In current financial year 2014-15 these funds were released in the month of December 2014. This untimely disbursement of funds gives the health facility very less time to spend the funds.
- **Disinterest in financial matters extra burden:** At many health facilities MOs and ANMs shows disinterest towards finance matters which led to under-utilization or utilization in other activity which are not permissible in the guidelines. They also felt that handling administrative process to expedite the fund utilization will suffer they core medical work if they involve too much in these activities.
- **Poor Reconciliation:** It is a very common issue at most of the health institutions that poor accounting procedures results in missing of previous year expenditure vouchers. Due to this even though the facilities have received the funds and spent them correctly, it is very difficult to settle the accounts due to absence of original documentary evidence. In the future it leads to show large amount of fund lying un-utilized at the facility level and as a result less amount will be sanctioned from the central government.
- **Insufficient Accountants:** In the block most 11 accountant posts are sanctioned and out of this only 4 accountants are available which affects the settlement of accounts.
- **Poor Orientation:** The health functionaries handling financial matters lack an orientation on basic accounting practices. Facility In-charges try to book the expenditure in minor works but they hesitate to attempt to book the expenditure in major works like infrastructure repairing or purchase of expensive equipment. Main reason is they do not feel confident to follow the tender process due to lack of expertise in this area.

**Short Term Recommendations:**

- It is very important to have in place the practice of verifying the expenditure against the activity rather than simply verifying it against vouchers.
- Strict monitoring of utilization of untied fund should be done every month in District Health Society meeting and also similar monitoring system can be ensure in block meeting with the help of SDM.
- There should be provision of quarterly internal auditing of facility accounts. Such type of audits can be done by higher institutions e.g. PHC can do the audit of their sector SC.



- In every financial year orientation of financial guidelines and accounting procedure should be given to facility in-charges.
- Block officials should call facility in-charges at block office and start reconciliation of previous unsettled account as a Camp approach.
- State government should issue directions to involve block accountant in a committee where tender process need to follow.

**Long Term recommendations:**

- Untied fund allocation should be based on either population criteria, need based criteria or performance based criteria.
- Filling up of vacant post of accountants in the block to streamline the accounting system.
- Appropriate Fund Utilisation should be included in the performance appraisal mechanism of different cadres from ANMs to BCMHOs, hence accountability can be established and good performer can be acknowledged.
- Utilization of State Funds for Central Govt. allocated health spending to avoid delays of fund utilization and give sufficient time for spending over the whole financial year. The state may explore the possibility of pre-spending on the Center's behalf till those funds come in. In this way funds can be made available from first quarter to ensure timely utilization.

| Recommendation   | Responsibility     |
|--|--------------------|
| Verifying the expenditure against the activity   | State/District     |
| Monitoring of utilization in DHS   | District/Collector |
| Provision of internal auditing of accounts   | District           |
| Camp approach to reconcile previous year accounts  | Block/District     |
| Involve block accountants in tender process  | State/District     |
| Fund allocation should be on either population criteria, need based criteria or performance based criteria | Center (MoHFW)     |
| Filling up of accountants post   | State              |
| Include fund utilisation in the performance appraisal mechanism  | State              |
| State Pre-Spending for Central Govt, till money is released  | State              |

## 6. Assessing ANM Skills to plan Training and Monitoring Activities and Optimizing Functions

An ANM is the first interface between community and health services. She has responsibilities related to maternal and child health and family welfare. Additionally she keeps a record of all the relevant data associated with the services rendered, maintenance of logistics and funds at the sub center level. They are trained on SBA, routine immunization, NSSK, IMNCI, IYCF, IUD and Sterilization.

### Rationale:

Formal assessment of various ANM skills is required so that the Block and District officers can plan training and monitoring activities for ANMs using evidence based data. The quality of her performance has an effect on crucial indicators of RMNCH+A activities. During the discussion with block officials they revealed that training data base of health personnel is not available with them.

### Gaps:

- Our observations during MCHN sessions revealed lack of confidence, motivation and inadequate skills for provision of basic ANC services. This include measurement of BP, urine test, abdominal examination, counseling over family planning, ANC, institutional delivery, PNC etc.
- The SDR was also found to be incomplete at many of the Sub Centers. Columns which were generally empty were IFA prophylactic, IFA therapeutic, reason for high risk pregnancy, PNC follow up etc.
- It has also been noticed that ANM's were not aware about the reasons for high risk pregnancy nor were they confident in identification of such cases. Hence, this raises a need for strengthening the skills of ANM's which in turn can improve their confidence level also.
- Currently there are 47 ANM posts sanctioned in the block out of which 39 posts are filled.

### Facilities with ANMs not present in required numbers

| Name of the Center | Sanction | Available |
|--------------------|----------|-----------|
| PHC Kherla Bhujurg | 2        | 1         |
| PHC Santha         | 2        | 1         |
| PHC Talchidi       | 1        | 0         |
| Bhopar Tappa       | 1        | 0         |
| Dhand              | 1        | 0         |
| Peepalkheda        | 1        | 0         |
| Sahaipur Pakhar    | 1        | 0         |
| Salempur Thana     | 1        | 0         |

### **Short term recommendation:**

- **Baseline assessment:** A baseline assessment of the ANM's assessing their knowledge and skills for ANC, Immunisation, basic examination (BP, Hb, abdominal examination), 3 stages of labour, and PNC should be done that an guide future planning.
- **Training:** The baseline assessment has the potential to identify the lacunae in knowledge and skills to organize training sessions. On site-coaching with the help of nursing college or medical colleges can also be conducted to mentor the ANMs.
  - o Strengthening the skills of ANM will help in provision of better services, early recognition of high risk pregnancy and their tracking, improved neonate and child care services. Also, training on counselling aspect and ensuring counselling during ANC visits can improve institutional deliveries and utilisation of family planning services.
- **Post training assessment-** Another assessment after the training to understand the improvement in skill and confidence level.

### **Long term recommendation:**

- **Refresher training at regular interval-** Refresher/Follow up training at regular intervals can be organized through state for maintaining their skills and confidence level.
- **Skill labs at DH/CHC:** State should strengthen DH or CHC so that it can be developed as skill labs to impart training to health personnel. These centers can impart skill up-gradation training to ANMs and nursing staff.

| Recommendation                                    | Responsibility                    |
|---|-----------------------------------|
| Baseline assessment                               | Development, Block Unit, District |
| Organisation of training                          | District                          |
| Post training assessment                          | Development, Block Unit, District |
| Refresher/Follow up training at regular intervals | State                             |
| Skill labs at DH/CHC                              | State                             |

### **Conclusion**

Each of the key focus areas and the recommendations discussed in this plan have the potential to improve service delivery for maternal and child care. Addressing labor and delivery, human resources responsible for maternal child services, ability of block to handle basic complications and nutrition for health and survival- encompasses some major components. Implementing these strategies would provide a gauge of the amount of time required to efficiently operationalize them. Based on an evaluation of these plans specific activities can be scaled up to the district and outside.

## ANNEXURE

**All the information provided in the annexures is from April 2014 to Feb 2015**

### Overview of Human Resource:

(CMHO office, Dausa district)

| Sr. No. | Name of the Post       | Sanctioned | In Position   | Vacant |
|---------|------------------------|------------|---------------|--------|
| 1       | BCMO                   | 1          | 1             | 0      |
| 2       | Senior Specialist      | 12         | 8             | 4      |
| 3       | SMO                    | 2          | 0             | 2      |
| 4       | MO                     | 17         | 15            | 2      |
| 5       | Accountant             | 11         | 4             | 7      |
| 6       | Staff Nurse I/II       | 37         | 28            | 9      |
| 7       | GNM                    | 23         | 21            | 2      |
| 8       | LHV                    | 10         | 6             | 4      |
| 9       | ANM                    | 47         | 39            | 8      |
|         | <b>Managerial Post</b> |            |               |        |
| 10      | BPM                    | 1          | 1             | 0      |
| 11      | BNO                    | 1          | 1             | 0      |
| 12      | Block ASHA Facilitator | 1          | 1             | 0      |
| 13      | PHC ASHA Supervisor    | 8          | 8             | 0      |
| 14      | LS                     | 7          | 6             | 1      |
| 15      | CPDO                   | 1          | 1 (On Charge) | 0      |
| 16      | ASHAs                  | 204        | 193           | 11     |

### Facility Wise Human Resource (S- # Sanctioned P- # present) (CMHO office, Dausa district)

| PHC            | MO       |          | MN-1/2    |           | G.N.M     |           | ANM/Add  |          | LHV      |          |
|----------------|----------|----------|-----------|-----------|-----------|-----------|----------|----------|----------|----------|
|                | S        | P        | S         | P         | S         | P         | S        | P        | S        | P        |
| Kot            | 1        | 1        | 2         | 2         | 2         | 1         | 1        | 1        | 1        | 0        |
| Santha         | 1        | 1        | 1         | 1         | 2         | 2         | 1        | 1        | 1        | 0        |
| Rashidpur      | 1        | 1        | 2         | 2         | 2         | 2         | 1        | 1        | 1        | 1        |
| Khedla Bhujurg | 2        | 1        | 2         | 2         | 2         | 2         | 1        | 1        | 1        | 0        |
| Pawta          | 1        | 1        | 1         | 1         | 2         | 2         | 1        | 1        | 1        | 1        |
| Balahedi       | 1        | 1        | 1         | 1         | 2         | 2         | 1        | 1        | 0        | 0        |
| Khoramulla     | 1        | 1        | 2         | 2         | 2         | 2         | 1        | 1        | 1        | 1        |
| Talchidi       | 1        | 1        | 2         | 2         | 2         | 2         | 1        | 0        | 1        | 1        |
| <b>Total</b>   | <b>9</b> | <b>8</b> | <b>13</b> | <b>13</b> | <b>16</b> | <b>15</b> | <b>8</b> | <b>7</b> | <b>7</b> | <b>4</b> |

| CHC                 | SS |   | JS |   | MO |   | MN-1/2 |    | G.N.M. |   | ANM/Add. |   | LHV |   |
|---------------------|----|---|----|---|----|---|--------|----|--------|---|----------|---|-----|---|
|                     | S  | P | S  | P | S  | P | S      | P  | S      | P | S        | P | S   | P |
| Mahuwa              | 3  | 2 | 2  | 2 | 4  | 4 | 11     | 10 | 3      | 3 | 1        | 1 | 1   | 1 |
| Mandawar            | 3  | 3 | 2  | 1 | 2  | 2 | 6      | 5  | 4      | 3 | 2        | 2 | 1   | 1 |
| Badgaon Khedla (Non | 0  | 0 | 2  | 0 | 2  | 1 | 7      | 0  | 0      | 0 | 1        | 1 | 1   | 0 |

|             |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Functional) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

**Details of Ambulances:**

(BCMHO office, Mahwa Block)

**P- Present (1) A- Absent (0)**

| Name of the facility | Base ambulance | 108      | 104      | MMU/MMV  | Remarks                |
|----------------------|----------------|----------|----------|----------|------------------------|
| CHC Mahuwa           | 2              | 1        | 1        | 0        | 108 Off road (Condemn) |
| CHC Mandawar         | 2              | 1        | 1        | 0        |                        |
| PHC Santha           | 0              | 0        | 1        | 0        |                        |
| PHC Khedla Bhujurg   | 0              | 0        | 1        | 0        |                        |
| <b>Total</b>         | <b>4</b>       | <b>2</b> | <b>4</b> | <b>0</b> |                        |

**ASHA Details:**

(BCMHO office, Mahwa block)

| Sr. No    | Name of CHC/PHC | No. of AWC | No. of Sanctioned ASHA | No. of Working ASHA | No. Trained in Induction Training | No. Trained in Module 5 | No. Trained in Module 6 & 7 Round 1 | No. Trained in Module 6 & 7 Round 2 |
|-----------|-----------------|------------|------------------------|---------------------|-----------------------------------|-------------------------|-------------------------------------|-------------------------------------|
| <b>1</b>  | CHC Mahuwa      | 11         | 11                     | 10                  | 10                                | 10                      | 10                                  | 0                                   |
| <b>2</b>  | Mandawar        | 31         | 31                     | 30                  | 30                                | 24                      | 24                                  | 0                                   |
| <b>3</b>  | Badgaon Khedla  | 3          | 3                      | 3                   | 3                                 | 3                       | 3                                   | 0                                   |
| <b>4</b>  | Kot             | 15         | 15                     | 15                  | 15                                | 15                      | 15                                  | 0                                   |
| <b>5</b>  | Khedla Bhujurg  | 8          | 8                      | 7                   | 7                                 | 7                       | 7                                   | 0                                   |
| <b>6</b>  | Pawta           | 22         | 22                     | 22                  | 22                                | 20                      | 22                                  | 0                                   |
| <b>7</b>  | Santha          | 20         | 20                     | 20                  | 20                                | 18                      | 18                                  | 0                                   |
| <b>8</b>  | Rashidpur       | 25         | 25                     | 24                  | 24                                | 23                      | 24                                  | 0                                   |
| <b>9</b>  | Balahedi        | 42         | 42                     | 40                  | 40                                | 38                      | 40                                  | 0                                   |
| <b>10</b> | Talchidi        | 11         | 11                     | 11                  | 11                                | 10                      | 11                                  | 0                                   |
| <b>11</b> | Khoramulla      | 12         | 12                     | 12                  | 12                                | 10                      | 12                                  | 0                                   |
|           | <b>Total</b>    | <b>200</b> | <b>200</b>             | <b>194</b>          | <b>194</b>                        | <b>178</b>              | <b>186</b>                          | <b>0</b>                            |

**VHSNC Account Details:**

(BCMHO office, Mahwa block)

| Sr. No. | Name of CHC/PHC | Total No of Revenue Villages | Total No of Functional VHSC | No. of VHSC where Separate Bank Account Opened | No. of VHSC where Separate Bank Account not Opened |
|---------|-----------------|------------------------------|-----------------------------|--|--|
| 1       | Balahedi        | 30                           | 30                          | 30   | 0  |
| 2       | Khedla bhujurg  | 9                            | 9                           | 9  | 0  |
| 3       | Kot             | 18                           | 18                          | 18   | 0  |
| 4       | Khora Mulla     | 11                           | 11                          | 11   | 0  |
| 5       | Mandawar        | 14                           | 14                          | 14   | 0  |
| 6       | Pawta           | 19                           | 19                          | 19   | 0  |
| 7       | Rashidpur       | 21                           | 21                          | 21   | 0  |
| 8       | Talchidi        | 10                           | 10                          | 10   | 0  |
| 9       | Santha          | 15                           | 15                          | 15   | 0  |
| Total   |                 | 147                          | 147                         | 147  | 0  |

**NHM Expenditure Details: (For Whole Block)**

(BCMHO office, Mahwa block)

| Sr. No | Component       | Up to Feb 2015                 |                         |                              |               |
|--------|-----------------|--------------------------------|-------------------------|------------------------------|---------------|
|        |                 | Opening Balance (1/April/2014) | Fund Received (2014-15) | Expenditure (up to Feb 2015) | % Expenditure |
| 1      | RCH Flexi Pool  | -49,094                        | 1,76,00,000             | 1,52,16,904                  | 86.73%        |
| 2      | NRHM Flexi Pool | 27,61,206                      | 49,59,435               | 53,72,815                    | 164%          |
| 3      | Immunization    | 98,269                         | 1,00,000                | 4,53,572                     | 551%          |

**Untied Funds Details: For CHC, PHCs (CMHO office Dausa and BCMHO office, Mahwa block)**

| Sr. No. | Name of the Facility | Opening Balance (1 April 2014) | Total untied fund received in 14-15 | Total untied fund expenditure (up to Feb 2015) | % Expenditure |
|---------|----------------------|--------------------------------|-------------------------------------|--|---------------|
| 1       | CHC Mahuwa           | 58256                          | 456580                              | 85000  | 16.51%        |
| 2       | CHC Mandawar         | 85386                          | 584874                              | 430929   | 64.29%        |
| 3       | PHC Balahedi         | 54311                          | 187963                              | 195660   | 80.75         |
| 4       | PHC Kherla Bhujurg   | 13343                          | 194730                              | 37264  | 17.9          |
| 5       | PHC Khora Mulla      | 19365                          | 44333                               | 60080  | 94.32         |
| 6       | PHC Kot              | 22105                          | 0                                   | 18818  | 85.13         |
| 7       | PHC Pawta            | 29969                          | 45357                               | 0  | 0             |
| 8       | PHC Rashidpur        | 10462                          | 276893                              | 104466   | 36.35         |
| 9       | PHC Santha           | 108400                         | 239594                              | 216800   | 62.29         |
| 10      | PHC Talchidi         | 42947                          | 107375                              | 20591  | 13.69         |

**Un-tied Fund Status for Sub Center:**

| Sr. No | Name of the Sub Center | Opening Balance (1st April 2014) | Total Untied Fund received in 14-15 | Expenditure (up to Feb 2015) |
|--------|------------------------|----------------------------------|-------------------------------------|------------------------------|
| 1      | Uf. Bada Buzurg        | 60470                            | 0                                   | 0                            |
| 2      | Uf.Badagoan            | 32342                            | 0                                   | 23064                        |
| 3      | Uf. Banawad            | 20631                            | 0                                   | 11748                        |
| 4      | Uf. Bareetki           | 57525                            | 0                                   | 35587                        |
| 5      | Uf. Berkheda           | -18158                           | 25000                               | 36316                        |
| 6      | Uf. Bhopar Tappa       | -7344                            | 22344                               | 14688                        |
| 7      | Uf . Dhand             | 42942                            | 0                                   | 37710                        |
| 8      | Uf. Gagwana            | 16744                            | 0                                   | 13483                        |
| 9      | UF. Garh Himmat Singh  | 20146                            | 0                                   | 3721                         |
| 10     | Uf. Gazipur            | 55551                            | 0                                   | 22698                        |
| 11     | Uf.Gehnoli             | 28009                            | 0                                   | 17188                        |
| 12     | Uf. Hadia              | 1866                             | 23134                               | 5000                         |
| 13     | Uf. Haldena            | 7581                             | 2419                                | 0                            |
| 14     | Uf. Hurla              | 10891                            | 0                                   | 0                            |
| 15     | Uf. Jatwada            | 10531                            | 0                                   | 5039                         |
| 16     | Uf. Kamalpur           | -4082                            | 19082                               | 8164                         |
| 17     | Uf. Keshra             | 3916                             | 16084                               | 0                            |
| 18     | Uf. Kherla Gadali      | 28786                            | 0                                   | 16727                        |
| 19     | Uf. Khonchpuri         | 33633                            | 0                                   | 0                            |
| 20     | Uf. Lalpur             | 60221                            | 0                                   | 7650                         |
| 21     | Uf. Nahida             | 44607                            | 0                                   | 32950                        |
| 22     | Uf. Ond Meena          | 49719                            | 0                                   | 0                            |
| 23     | Uf. Pakhar             | 1419                             | 23581                               | 5497                         |
| 24     | Uf. Palanheda          | 5898                             | 4102                                | 5928                         |
| 25     | Uf. Pali               | 7561                             | 7903                                | 0                            |
| 26     | Uf. Patoli             | 11974                            | 0                                   | 0                            |
| 27     | Uf. Peepalkheda        | 2743                             | 17257                               | 0                            |
| 28     | Uf. Ramgarh            | 61482                            | 0                                   | 0                            |
| 29     | Uf. Rindli             | 4301                             | 15689                               | 0                            |
| 30     | Uf. Sahaipur Pakhar    | 0                                | 10000                               | 0                            |
| 31     | Uf. Salempur Thana     | 15646                            | 0                                   | 0                            |
| 32     | Uf. Salimpur           | -2335                            | 17335                               | 4670                         |
| 33     | Uf. Samlete            | 15083                            | 0                                   | 0                            |
| 34     | Uf. Sc Dholkheda       | 9204                             | 796                                 | 0                            |
| 35     | Uf. Talchidi           | 21300                            | 0                                   | 20850                        |
| 36     | Uf. Tikri Kilanot      | 16232                            | 0                                   | 4734                         |
| 37     | Uf. Tudiana            | -2582                            | 17542                               | 5164                         |
| 38     | UF. Ukrund             | 58210                            | 0                                   | 23373                        |
| 39     | Uf. Vishala            | 6096                             | 3904                                | 1256                         |

**OPD, IPD, Deliveries for CHCs, PHCs, SCs**

(PCTS)

| Sr. No | Name of the Facility | OPD Load | IPD Load | Deliveries Conducted at the Facility |
|--------|----------------------|----------|----------|--------------------------------------|
| 1      | CHC Mandawar         | 109262   | 4350     | 884                                  |
| 2      | CHC Mahwa            | 180616   | 6882     | 1534                                 |
| 3      | CHC Badgaon Khedla   | 635      | 0        | 0                                    |
| 4      | Kot                  | 6823     | 551      | 39                                   |
| 5      | Khedla Bhujurg       | 35517    | 1684     | 417                                  |
| 6      | Pawta                | 5379     | 78       | 38                                   |
| 7      | Santha               | 9332     | 610      | 165                                  |
| 8      | Rashidpur            | 13650    | 1168     | 30                                   |
| 9      | Balahedi             | 12163    | 565      | 34                                   |
| 10     | Talchidi             | 10776    | 715      | 41                                   |
| 11     | Khoramulla           | 3684     | 179      | 2                                    |

**Village Level Information under each facility**

(CMHO office – Dausa and PCTS)

| Facility | Village          | Population | Number of ANCs 2014-2015 | Number of deliveries 2014-2015 |
|----------|------------------|------------|--------------------------|--------------------------------|
| CHC      | Mahwa            | 25964      | 665                      | 1534                           |
| CHC      | Mandawar         | 12981      | 195                      | 884                            |
| CHC      | Badagaonv        | 4846       | 110                      | 0                              |
| SC       | Dholkheda        | 4466       | 78                       | 0                              |
| SC       | Garh Himmatsingh | 7126       | 139                      | 0                              |
| SC       | Jatwada          | 6060       | 94                       | 0                              |
| SC       | Pakhar           | -          | 77                       | 0                              |
| SC       | Ukrund           | 5939       | 91                       | 0                              |
| PHC      | Balaheri         | 5115       | 80                       | 34                             |
| SC       | Barkheda         | 5113       | 79                       | 0                              |
| SC       | Gagwana          | 3526       | 69                       | 0                              |
| SC       | Hudla            | 4471       | 69                       | 0                              |
| SC       | Kamalpur         | 3271       | 88                       | 0                              |
| SC       | Naurangvada      | 4653       | 45                       | 0                              |
| SC       | Patoli           | 3573       | 93                       | 0                              |
| SC       | Peepalkheda      | 5534       | 110                      | 0                              |
| SC       | Samleti          | 4400       | 57                       | 0                              |
| SC       | Tudiyana         | 2709       | 72                       | 0                              |
| SC       | Vishala          | 5374       | 70                       | 0                              |
| PHC      | Khedla Bujurg    | 7507       | 152                      | 417                            |
| SC       | Samalpur         | 4737       | 110                      | 0                              |
| PHC      | Khora mulla      | 3391       | 75                       | 2                              |
| SC       | Bada Bujurg      | 4288       | 99                       | 0                              |
| SC       | Oadmeena         | 6999       | 152                      | 0                              |
| pHC      | Kot              | 5906       | 94                       | 39                             |



| Facility | Village          | Population | Number of ANCs<br>2014-2015 | Number of deliveries<br>2014-2015 |
|----------|------------------|------------|-----------------------------|-----------------------------------|
| SC       | banavad          | 4728       | 89                          | 0                                 |
| SC       | haldena          | 4106       | 48                          | 0                                 |
| SC       | Reendli          | 3847       | 60                          | 0                                 |
| SC       | Tikari Ki Lanoti | 2601       | 47                          | 0                                 |
| PHC      | Pawta            | 7510       | 124                         | 38                                |
| SC       | Baritaki         | 5723       | 106                         | 0                                 |
| SC       | Gajipur          | 7239       | 176                         | 0                                 |
| SC       | Khonchpuri       | 5090       | 107                         | 0                                 |
| PHC      | Rashidpur        | 7407       | 140                         | 30                                |
| SC       | Bhopartapa       | 3481       | 57                          | 0                                 |
| SC       | Kesara           | 3728       | 61                          | 0                                 |
| SC       | Pakhar           | 5136       | 94                          | 0                                 |
| SC       | Pali             | 4280       | 67                          | 0                                 |
| SC       | Ramgarh          | 7377       | 145                         | 56                                |
| SC       | Salampur         | 5303       | 128                         | 0                                 |
| PHC      | Santha           | 7215       | 123                         | 165                               |
| SC       | Ghanoli          | 8148       | 205                         | 0                                 |
| SC       | Hadiya           | 4906       | 143                         | 0                                 |
| SC       | Khedla Gadali    | 4733       | 98                          | 0                                 |
| SC       | Lalpur           | 1960       | 21                          | 0                                 |
| SC       | Palanheda        | 5338       | 117                         | 0                                 |
| PHC      | Talchidi         | 6447       | 124                         | 41                                |
| SC       | Dhand            | 7760       | 188                         | 0                                 |
| SC       | Nahida           | 5459       | 124                         | 0                                 |

### Maternal Deaths – 2014-2015

(PCTS)

| Maternal Death | Village from where she was | Facility for the village | Details About Delivery and Death                           | Review Done | Audit Done |
|----------------|----------------------------|--------------------------|--|-------------|------------|
| <b>One</b>     | Pakhar                     | PHC Rashidpur            | Death on 9 <sup>th</sup> Feb 2015 due to vaginal bleeding  | Yes         | No         |
| <b>One</b>     | Munnapur                   | PHC Kot                  | Death on 30 <sup>th</sup> Jan 2015 due to vaginal bleeding | Yes         | No         |

### Infant Mortality 2014-2015

(PCTS)

| Mortality  | Village From | Facility village under | Details about death      | Review Done |
|------------|--------------|------------------------|--------------------------|-------------|
| <b>One</b> | Mandawar     | CHC Mandawar           | Infection (18/5/2014)    | Yes         |
| <b>One</b> | Mandawar     | CHC Mandawar           | Unidentified (13/7/2014) | No          |
| <b>One</b> | Mandawar     | CHC Mandawar           | Unidentified (16/7/2014) | No          |
| <b>One</b> | Mandawar     | CHC Mandawar           | Unidentified (18/2/2015) | No          |
| <b>One</b> | Mandawar     | CHC Mandawar           | Unidentified (11/2/2015) | No          |
| <b>One</b> | Mandawar     | CHC Mandawar           | Unidentified (30/1/2015) | No          |

|            |         |                 |                    |    |
|------------|---------|-----------------|--------------------|----|
| <b>One</b> | Kesari  | PHC Rashidpur   | Others (12/8/2014) | No |
| <b>One</b> | Pakhar  | PHC Rashidpur   | Others (9/10/2014) | No |
| <b>One</b> | Noganve | PHC Khora Mulla | Others (17/6/2014) | No |

**Mapping Villages /Facilities with High Home Deliveries (Criteria = above x number of HDs)  
(PCTS)**

| Facility                  | Done by SBA Trained | By Untrained | Reported HDs |
|---------------------------|---------------------|--------------|--------------|
| <b>CHC Badagaon</b>       | 4                   | 0            | 4            |
| <b>CHC Mahuwa</b>         | 3                   | 2            | 5            |
| <b>CHC Mandawar</b>       | 25                  | 0            | 25           |
| <b>PHC Balahedi</b>       | 4                   | 1            | 5            |
| <b>PHC Kherla Bhujurg</b> | 10                  | 6            | 16           |
| <b>PHC Khora Mulla</b>    | 2                   | 1            | 3            |
| <b>PHC Kot</b>            | 12                  | 5            | 17           |
| <b>PHC Pawta</b>          | 6                   | 1            | 7            |
| <b>PHC Rashidpur</b>      | 1                   | 1            | 2            |
| <b>PHC Santha</b>         | 11                  | 6            | 17           |
| <b>PHC Talchidi</b>       | 32                  | 0            | 32           |
| <b>Total</b>              | <b>110</b>          | <b>23</b>    | <b>133</b>   |

**Physical Status:** (PCTS)

| Indicators   | 2012-13 | 2013-14 | 2014-15 |
|--|---------|---------|---------|
| Antenatal Care   |         |         |         |
| ANC Registration   | 5953    | 5605    | 5555    |
| Registration Within 12 Weeks   | 2792    | 2667    | 3166    |
| 3 ANC Checkups   | 4596    | 3917    | 3816    |
| Women consumed 100 IFA   | 5392    | 5062    | 4978    |
| Mothers who received at least one Tetanus Toxoid (TT) injection        | 4233    | 3726    | 3808    |
| Delivery Care  |         |         |         |
| Institutional Delivery   | 3721    | 3562    | 3240    |
| Delivery at Home   | 367     | 298     | 133     |
| Delivery at home conducted by skilled health personnel                 | 335     | 272     | 110     |
| Caesarean out of total delivery taken place in Government Institutions | 0       | 0       | 0       |
| New Born Care  |         |         |         |
| Children received early initiation of breast feeding                   | 5686    | 7338    | 7124    |
| Children whose birth weight was taken                                  | 5670    | 7338    | 7112    |
| Children with birth weight less than 2.5 Kg.                           | 1108    | 2158    | 2574    |

|   |      |      |      |
|---|------|------|------|
| Post Natal Care   |      |      |      |
| Less than 24 hrs. stay in institution after delivery                | 118  | 3    | 0    |
| New borns who were checked up within 24 hrs. of Home delivery       | 363  | 298  | 132  |
| Mothers who received Post-natal Check-up within 48 hrs. of delivery | 4806 | 4556 | 3845 |
| Children with full immunization                                     | 4863 | 5133 | 2763 |
| Family Planning   |      |      |      |
| IUD insertion   | 963  | 955  | 1301 |
| Total Male sterilization (VT/NSV)                                   | 0    | 0    | 1    |
| Total female sterilization (Minilap/LT)                             | 1371 | 1425 | 1261 |
| Number of PPIUCD insertion  | 0    | 19   | 258  |