COLD CHAIN LOGISTICS IMPROVEMENT PLAN – BHAGALPUR

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| Work Plan for Cold Chain and Vaccine Logistics Management Strengthening | | | | | | | | | | |
| Criteria : Vaccine Storage Temperature | | | | | | | | | | |
| What need to be done | **Priority** | **Activity Code** | **Activity** | **Level of Implementation** | **Responsible Person and Organization** | **Start Date** | **End Date** | **Funds Needed**  **(in Rs.)** | **Funding Source** | **Remarks** |
| Improve Temperature recording of all cold chain equipment | High | E2 | Ensure Alcohol steam thermometer/data logger in every cold chain equipment | DVS/BVS | Cold Chain Handler/ MOIC/ DIO/SIO | 01/10/14 | 31/12/14 |  | RKS |  |
| Medium | E2 | Capacity building of Cold Chain Handlers in reading thermometer | DVS/BVS | MOIC/ DIO | 01/11/14 | 31/12/14 |  | NRHM PIP 14- 15 Part- C | RI Training/meeting  (Monthly and Quarterly RI meeting at District & Block) |
| Medium | E2 | Update temperature log book including remarks such as review by MOIC/DIO power failure, defrosting, make and model number of cold chain equipment. | DVS/BVS | Cold Chain Handler/ MOIC/ DIO | 01/10/14 | 31/12/14 | -- | -- | -- |
| Storage Capacity | High | E3 | Provision of additional ILR &DF as per target population | DVS/BVS | SIO & Govt. of India | 01/10/14 | 31/03/15 | -- | -- | GoI to supply additional Cold chain equipment to the state (Bihar). |
| Medium | E3 | Development of dedicated dry space | DVS/BVS | DM/CS/ DIO | 01/11/14 | 31/03/15 | -- | NRHM/Annual Maintenance Grant | A partition needed in existing Cold Chain store to develop dry storage space. |
| Medium | E3 | Development & display of vaccine emergency preparedness plan | DVS/BVS | DIO & Development Partners | 01/11/14 | 31/01/15 | -- | Development partners | Prototype given in Cold Chain Handler Module |
| Medium | E3 | Proper storage of vaccine in ILR | DVS/BVS | DIO & UNICEF | 01/11/14 | 31/01/15 | -- | UNICEF | Signage’s for ILR & DF to be developed by UNICEF |
| Building, Cold Chain Equipment & Transport | High | E4 | Development of separate RVS building, equipment, Human Resource | State | SIO/DM/CS/DIO | 01/04/15 | 31/03/16 | -- | NRHM | For proposal in NRHM PIP 2015-16 |
| High | E4 | Supply of Cold chain equipment – repair tool kit and float assembly | District | SIO/UNICEF | 01/11/14 | 31/03/15 | -- | NRHM/UNICEF | Each district should have tool kit and cold chain float assembly to reduce to cold chain sickness rate |
| Medium | E4 | Renovation of existing cold chain store to meet required standards such as ventilation, cleanness, safety, free from cracks & seepage. Electrical refitting where required. | DVS/BVS | DM/CS/ PWD | 01/11/14 | 31/12/15 | -- | NRHM | To be incorporated in PIP 2015-16 |
| Medium | E4 | Condemnation of obsolete cold chain equipment | DVS/BVS | DIO & Cold Chain Technician | 01/11/14 | 31/03/15 | -- |  | Letter issued by State Health Society Bihar (SHSB/RI/414/13/3570 Dt. 15/05/14) |
| Medium | E4 | Generator backup to all Cold chain store | DVS/BVS | CS/DIO | 01/11/14 | 31/12/15 |  | NRHM  PIP 2014-15 Part - C | Generator outsource to district, POL for Generator of Cold Chain store (State PIP 2014-15) |
| Medium | E4 | Functional voltage stabilizer for every cold chain equipment | DVS/BVS | CS/DIO/DFID | 01/11/14 | 31/03/15 |  | Annual maintenance grant / DFID | Repair of existing non functional voltage stabilizer or purchase of new voltage stabilizer where needed. |
| Low | E4 | Provision of land line communication with broadband internet connectivity | DVS/BVS | DM/CS | 01/11/14 | 31/12/15 | -- | -- | Incorporation in NRHM PIP 2015-16 |
| Maintain acne of building cold chain equipment & vehicles | High | E5 | Regular preventive maintenance of Cold chain equipments | District | SIO (SHSB) | 01/11/14 | 31/03/15 |  | NRHM / UNICEF | Each district to have dedicated cold chain technician |
| Medium | E5 | Preventive maintenance and overhaul programme for vehicle (Teeka Express) | District | DM/CS/DIO | 01/11/14 | 31/12/15 | -- | -- | 6 monthly preventive maintenance of vehicle (outsourcing) |
| Low | E5 | Preventive maintenance of building | District | DM/CS | 01/11/14 | 31/12/15 | -- | -- | Coordination with PWD department. |
| Vaccine Stock Management | High | E6 | Computerized vaccine stock management (BVLMS) | DVS/BVS | DIO/DEO/ Cold chain handler/MOC/BHM/UNICEF | 01/10/14 | 31/12/15 | -- | UNICEF | Scale up of BVLMS up to block. |
| Medium | E6 | Use of standard vaccine stock registers, indent form, issue voucher & issue register. | DVS/BVS | SIO/DIO | 01/10/14 | 31/03/15 | -- | -- | New vaccine register, pass book, challan, issue register supplied to all DVS/BVS training imparted to all cold chain hander by UNICEF |
| Low | E6 | Development of system for vaccine arrival notification, issue of arrival voucher and regular physical count of vaccine and diluents | DVS/BVS | DIO/Cold chain handler | 01/11/14 | 31/12/15 | -- | -- | Monthly physical count of vaccine and diluents and match with the stock register. |
| Vaccine distribution | High | E7 | Development of effective passive distribution plan and its execution | DVS/BVS | DIO/DEO/Cold chain handler | 01/11/14 | 31/03/15 | -- | -- | Regular distribution of vaccine from higher level to lower level (RVS to DVS and DVS to BVS) |
| Medium | E7 | Implementation of MDVP | DVS/BVS | DIO/Cold chain handler/Health worker | 01/10/14 | 31/03/15 | -- | -- | MDVP guideline letter issue by SHSB/RI/348/10 /1538 dated 22/02/13 |
| Medium | E7 | Determination of re order level for each antigen and lead time for each facility | DVS/BVS | DIO/DEO/BHM | 01/10/14 | 31/03/15 | -- | -- | Maximum minimum inventory control mechanism to be developed |
| Vaccine Management | High | E8 | Capacity building of DIO/MOIC/HW/CCH/CCT and Managers in various expect of Routine Immunization and Cold Chain | District | DIO/Development partners | 01/11/14 | 31/12/15 | -- | NRHM PIP 2014-15 Part - C / Development Partner | Training on 3 day “RI training of MO” & 2 days training “Cold chain handlers module” |
| High | E8 | Capacity building of DEO and Managers in NCCMIS, BVLMS,HMIS & MCTS | District | DIO/UNICEF | 01/11/14 | 31/12/15 | -- | UNICEF | 1 day reorientation training on NCCMIS,BVLMS,HMIS & MCTS |
| Medium | E8 | Training of DIO / MOIC in using “Immunization data for action” | District | DIO | 01/11/14 | 31/03/15 | -- | -- | ½ day training of DIO / MOIC in using “Immunization data for action” |
| MIS & supportive functions | High | E9 | Supportive supervision for RI & Cold Chain by line supervisors, Development partner, Medical college faculty. | District, Block | SIO/DIO/ Development Partner | 01/11/14 | 31/03/15 | -- | NRHM PIP 2014-15 part – C / Development Partners | Supportive supervision using android based technology. |
| Medium | E9 | Availability of Real time data for evidence based decision-making. Use of android based technology for supportive supervision | District, Block | SIO/DIO/ Development partner (UNICEF as lead partner) | 01/11/14 | 31/12/15 | -- | UNICEF | “Dissemination through supportive supervision cell” , Dept. of PSM, AIIMS, Patna |
| Medium | E9 | Cold chain supportive management . Capacity building of DIO, DEO in using EVM dashboard. | State | SIO / UNICEF | 01/11/14 | 31/12/14 | -- | UNICEF | 1 day training on EVM dashboard. |
| Deployment of Human Resource | High | -- | Deployment of dedicated full time district Immunization officer, Cold chain technician in each district | State | GoB / SHSB | 01/04/15 | 31/03/16 | -- | -- | Regular / NRHM |
| High | -- | Reorganization of cadre of CCH | State | SIO/DIO | 01/11/14 | 31/03/15 | -- | -- | Trained dedicated ANM to be given full charge as Cold Chain handler |
| Medium | -- | Recruitment of regional vaccine logistics manager | State | SHSB/Development partner | 01/04/15 | 31/03/16 | -- | NRHM/ Development partner | For proposal in NRHM 2015-16 |