

COLD CHAIN LOGISTICS IMPROVEMENT PLAN – BUXAR

| Work Plan for Cold Chain and Vaccine Logistics Management Strengthening | | | | | | | | | | |
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| Criteria : Vaccine Storage Temperature | | | | | | | | | | |
| What needs to be done | Priority | Activity Code | Activity | Implementation Level | Responsibility | Start Date | End Date | Funds Needed (in Rs.) | Funding Source | Remarks |
| Improve Temperature recording of all cold chain equipment | High | E2 | Ensure Alcohol stem thermometer/data logger in every cold chain equipment. | DVS/BVS | CCH/ MOIC/ DIO/SIO | 01/10/14 | 31/12/14 | -- | RKS | -- |
| | Med | 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). |
| | Med | 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 | -- | -- | Gol to supply additional Cold chain equipment to the state (Bihar). |
| | Med | 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. |
| | Med | E3 | Development & display of vaccine emergency | DVS/BVS | DIO & Developme | 01/11/14 | 31/01/15 | -- | Developme nt partners | Prototype given in Cold Chain Handler |



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| | | | preparedness plan. | | nt Partners | | | | | Module. |
| | Med | E3 | Proper storage of vaccine in ILR | DVS/BVS | DIO & UNICEF | 01/11/14 | 31/01/15 | -- | UNICEF | Signage for ILR & DF to be developed by UNICEF. |
| Building, Cold Chain Equipment & Transport | High | E4 | Supply of Cold chain equipment – repair tool kit and float assembly. | District | SIO/ UNICEF | 01/11/14 | 31/03/15 | -- | NRHM/UNI CEF | Each district should have tool kit and cold chain float assembly to reduce the cold chain sickness rate. |
| | Med | E4 | Renovation of existing cold chain store to meet required standards such as ventilation, cleanliness, 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. |
| | Med | 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) |
| | Med | 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). |
| | Med | E4 | Functional voltage stabilizer for every cold chain equipment. | DVS/BVS | CS/DIO/ DFID | 01/11/14 | 31/03/15 | -- | Annual maintenanc e 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 | DVS/BVS | DM/CS | 01/11/14 | 31/12/15 | -- | -- | Incorporation in NRHM PIP 2015-16. |



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| | | | connectivity. | | | | | | | |
| | High | E5 | Regular preventive maintenance of Cold chain equipment. | District | SIO (SHSB) | 01/11/14 | 31/03/15 | -- | NRHM / UNICEF | Each district to have dedicated cold chain technician. |
| Maintain acne of building cold chain equipment & vehicles | Med | 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. |
| | High | E6 | Computerized vaccine stock management (BVLMS). | DVS/BVS | DIO/DEO/ CCH/MOC/ BHM/ UNICEF | 01/10/14 | 31/12/15 | -- | UNICEF | Scale up of BVLMS up to block. |
| Vaccine Stock Management | Med | 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 handler 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. |
| | 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). |
| Vaccine distribution | Med | E7 | Implementation of MDVP. | DVS/BVS | DIO/ CCH/HW | 01/10/14 | 31/03/15 | -- | -- | MDVP guideline letter issue by SHSB/RI/348/10 /1538 |



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| | Med | 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. |
| | High | E8 | Capacity building of DIO/MOIC/HW/CCH/CCT and Managers in various aspects of Routine Immunization and Cold Chain. | District | DIO/Development partners | 01/11/14 | 31/12/15 | -- | NRHM PIP 2014-15 Part - C / Development Partner | 3 day RI training of MO & 2 days training Cold chain handlers module. |
| Vaccine Management | High | E8 | Capacity building of DIO 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. |
| | Med | 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. |
| | 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. |
| MIS & supportive functions | Med | 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. |
| | Med | 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. |



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| | 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 |
| Deployment of Human Resource | 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. |
| | Med | -- | 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 |