

COLD CHAIN LOGISTICS IMPROVEMENT PLAN – NALANDA

| Work Plan for Cold Chain and Vaccine Logistics Management Strengthening | | | | | | | | | | |
|---|----------|---------------|---|----------------------|-------------------------------------|------------|------------|-----------------------|----------------------------------|--|
| 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 alcohols stem thermometer / Data Logger in every Cold Chain Equipment. | DVS/BVS | Cold Chain Handler/ MOIC/ DIO/ SIO. | 01.10.2014 | 31.12.2014 | -- | Rogi Kalyan Samiti (RKS) | -- |
| | Med | E2 | Capacity building of cold chain handler in reading thermometer . | DVS/BVS | Cold Chain Handler/ MOIC/ DIO/ SIO. | 01.11.2014 | 31.12.2014 | -- | NRHM / PIP Part-C 2014-2015 | RI Meeting /Trainings. (Monthly and quarterly RI meeting at District and Block level). |
| | Med | E2 | Update temperature log book including remarks such as power failure, defrosting, make and model number of cold chain equipment. | DVS/BVS | Cold Chain Handler/ MOIC/ DIO. | 01.10.2014 | 31.12.2014 | -- | -- | -- |
| Storage capacity | High | E3 | Provision of DF and ILR as per target population. | DVS /BVS | SIO and GOVT. Of INDIA | 01.10.2014 | 31.12.2014 | -- | -- | Govt. Of India to supply additional cold chain equipment to the state. |
| | Med | E3 | Development of dedicated dry space. | DVS /BVS | DM / Civil Surgeon /DIO | 1.11.2014 | 31.3.2015 | / | NRHM (Annual maintenance Grant) | A partition needed in existing Cold Chain store to develop dry storage space. |



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| | Med | E3 | Development and display of vaccine emergency preparedness plan. | DVS/BVS | DIO and Development Partners | 01.11.2014 | 31.1.2015 | -- | Development Partners | Prototype given in Cold Chain Handler module. |
| | Med | E3 | Proper storage of vaccines in ILR. | DVS/ BVS | DIO and UNICEF | 01.11.2014 | 31.1.2015 | -- | UNICEF | Synergies for ILR and DF to be developed by UNICEF. |
| Buildings, cold chain equipment's and transport | High | E4 | Development of separate RVS building, human resource | STATE | SIO/DIO/CIVIL SURGEON | 1.4.2015 | 31.3.2015 | -- | NRHM | FOR PROPOSAL IN NRHM 2014--15 |
| | HIGH | E4 | Supply of cold chain equipment /repair /tool kit and float assembly. | District | SIO and UNICEF | 1.11.2014 | 31.03.2015 | -- | NRHM/ UNICEF | Each district should have tool kit and float assembly to reduce cold chain sickness rate. |
| | Med | E4 | Renovation of existing cold chain store to meet required standards-- ventilation, cleanliness, safety , free from cracks and water seepages and electrical refitting. | DVS/BVS | DM/Civil Surgeon | 01.11.2014 | 31.12.2015 | -- | NRHM | To be incorporated in PIP (2015-2016) |
| | Med | E4 | Contamination of Obsolete Cold Chain Equipment | DVS / BVS | DIO and CCT | 01.11.2014 | 31.03.2015 | -- | -- | Letter issued by State Health Society Bihar to 30 districts (SHSB/RI/414/13/3570 Dt. 15/05/2014) |



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| | Med | E4 | Generator backup to all Cold Chain Stores. | DVS / BVS | Civil surgeon/DIO | 01.11.2014 | 31.12.2015 | -- | NRHM/ PIP--Part--C | Generator out sourced through District, POL for generator of cold chain store (state PIP 2014--15). |
| | Med | E4 | Functional voltage stabilizer for every cold chain equipment. | DVS / BVS | Civil Surgeon/DIO/EFID | 01.11.2014 | 31.03.2015 | -- | AMC/EFID | Repair of existing non-functional stabilizer or purchase of new voltage stabilizer if needed. |
| | Low | E4 | Provision of land line, telephone with broad band internet connectivity. | DVS / BVS | DM / Civil Surgeon | 01.11.2014 | 31.12.2015 | -- | NRHM, PIP 2015--16 | -- |
| Maintenance of buildings, cold chain equipment's | High | E5 | Regular preventive maintenance of cold chain equipment's | District | SHSB | 01.11.2014 | 31.03.2015 | -- | NRHM/ UNICEF | Each district to have dedicated cold chain technician |
| | Med | E5 | Preventive maintenance and overhaul programs for vehicles (Teeka Express). | District | Civil Surgeon /DIO | -- | -- | -- | -- | Six monthly preventive maintenance of vehicles (outsourcing) |
| | Low | E5 | Preventive maintenance of buildings. | District | DM/Civil Surgeon | 1.11.2014. | 31.12.2015 | -- | -- | Coordination with PWD |
| Vaccine stock management | High | E6 | Computerized vaccine stock management (BVLMS). | DVS /BVS | UNICEF/DIO/DEO/CCH/ANM | 1.11.2014 | 31.12.2014 | -- | UNICEF | Scale up BVLMS up to block level. |
| | Med | E6 | Use of standard vaccine stock register, indent form, issue voucher and issue register. | DVS /BVS | SIO/DIO | 01.10.2014 | 31.03.2015 | -- | -- | New vaccine register, pass book challan issue register supplied to all DVS and BVS. training imparted to all cold chain handlers by UNICEF. |
| | Low | E6 | Development of system for vaccine arrival notification , Issue of arrival voucher and regular physical count of vaccines and diluents. | DVS/BVS | DIO | 01.11.2014 | 31.12.2015 | -- | -- | Monthly physical count of Vaccines and Diluents and match with the Stock Register. |



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| Vaccine Distribution Vaccine management | High | E7 | Development of effective vaccine distribution plan and its execution. | DVS/BVS | DIO/DEO/C old Chain Handler | 1.11.2014 | 31.3.2015 | -- | -- | Regular distribution of vaccines from higher level to lower level (RVS to DVS to BVS). |
| | Med | E7 | Implementation of MDVP. | DVS/BVS | DIO/COLD chain handler/ health worker | 1.10.2014 | 31.3.2015 | -- | -- | MDVP guidelines issued by State Health Society (SHSB/RI/348/10/1538 Dt: 22.02.2014). |
| | Med | E7 | Determination of reorder level for each Antigen and lead time for each facility. | DVS/BVS | DIO/DEO/B HM | 1.10.2014 | 31.30.2015 | -- | -- | Maximum minimum inventory control mechanism to be developed. |
| | High | E8 | Capacity building of DIO/MOIC/Health worker /cold chain technician in various aspects of routine immunization and cold chain. | District | DIO and Developme nt partners | 01.11.2014 | 31.12.2015 | -- | NRHM/PIP 2014--15 Part-- C/Developm ent partners | 3 day RI training of medical officer and 2 day training on cold chain handler module. |
| | High | E8 | Capacity building of data entry operator and managers in NCCMIS , BVLMS, HMIS & MCTS. | District | DIO and UNICEF | 1.11.2014 | 31.12.2015 | -- | NRHM/PIP 2014--15 Part-- C/Developm ent partners, | One day re-orientation training on NCCMIS, BVLMS, HMIS, MCTS. |
| | MED | E8 | Training of DIO and MOIC in using immunization data collect | District | DIO | 1.11.2014 | 31.3.2015 | -- | -- | Half day training of DIO and MOIC using immunization data collect |
| MIS and supportive function | HIGH | E9 | Supportive supervision for RI and cold chain by line supervisors, development partners, medical college faculties. | District/ Block | SIO/DIO /Developm ent Partners | 1.11.2014 | 31.3.2015 | -- | NRHM/PIP-- 2014-2015 Part- C/Developm ent Partners. | Supportive supervision using android based technology. |



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| | MED | E9 | Availability of real time data for evidence based decision-making. Use of Android based technology for supportive supervision. | District T/Block | DIO/SIO/D evelopmen t Partners | 1.11.2014 | 31.12.2015 | -- | UNICEF | Dissemination through the supportive supervision cell, Dept. of PSM AIIMS Patna. |
| | Med | E9 | Cold chain supportive management. Capacity building of DIO /DEO in using EVM dash board. | State | SIO/ UNICEF | 1.11.2014 | 31.12.2014 | -- | UNICEF | One day training on EVM base assessment |
| Deployment of human resource | High | | Deployment of dedicated immunization officer, cold chain technician in each district. | State | GOVT. OF BIHAR /State Health Society Bihar | 1.04.2015 | 31.03.2016 | -- | -- | Regular / Regular of NRHM |
| | High | | Reorganization of cadre of CCH. | State | SIO /DIO | 1.11.2014 | 31.03.2015 | -- | -- | Trained dedicated ANM to be given full charge as cold chain handler |
| | Med | | Recruitment of regional vaccine logistic manager. | State | SHSB / DVELOPME NT PARTNERS | 1.04.2015 | 31.3.2016 | -- | NRHM/ Developmen t Partners | For proposal in NRHM PIP-2015-2016 |