COLD CHAIN LOGISTICS IMPROVEMENT PLAN – NALANDA

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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’s | High | E2 | Ensure alcohols stemp 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) |  |
| Medium | 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 2014-15 | RI Meeting /Trainings. (Monthly and quarterly RI meeting at District and Block level.) |
| Medium | E2 | Update temperature log book such as review by moic of the dio, power failure, defrosting, make and model | DVS/BVS | Cold Chain Handler/ MOIC/ DIO. | 01.10.2014 | 31.12.2014 | /- |  |  |
| Storage capacity | High | E3 | Provision of additional ILR and defreeze as per the target population | DVS /BVS | SIO and GOVT. Of INDIA | 01.10.2014 | 31.12.2014 | /- | --- | Govt. Of India to supply additional cold chain equipments to the state |
| Medium | E3 | Development 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 |
| Medium | 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 |
| Medium | E3 | Proper storage of vaccines in ILR | DVS/ BVS | DIO and UNICEF | 01.11.2014 | 31.1.2015 | /- | UNICEF | Synergies for ILR and Defreeze 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 |
| Medium | E4 | Renovation of existing cold chain store to meet required standards- ventilation, cleaniliness,safety , free from cracks and water seepages and electrical refitting wired | DVS/BVS | DM/Civil Surgeon | 01.11.2014 | 31.12.2015 | /- | NRHM | To be incorporated in PIP (2015-16) |
| Medium | E4 | Contamination of Obsolete Cold Chain Equipment | DVS / BVS | DIO and Cold Chain Technician | 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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|  | Medium | E4 | Generator back up to all Cold Chain Stores | DVS / BVS | Civil surgeon/DIO | 01.11.2014 | 31.12.2015 | /- | NRHM/ PIP-Part-C | Generator out source through District, POL for generator of cold chain store (state PIP 2014-15). |
| Medium | E4 | Functional voltage stabilizer for every cold chain equipments | 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 yet 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 equipments | District | SHSB | 01.11.2014 | 31.03.2015 | /- | NRHM/ UNICEF | Each district to have dedicated cold chain technician |
| Medium | E5 | Preventive maintenance and overhaul programs for vehicles ( TEKA 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/Cold Chain Handler/ANM | 1.11.2014 | 31.12.2014 | / | UNICEF | Skill of all BVLMS up to block. |
| Medium | 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 in parted 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 |
| Vaccine Distribution  Vaccine management | High | E7 | Development of effective vaccine distribution plan and its execution | DVS/BVS | DIO/DEO/Cold Chain Handler | 1.11.2014 | 31.3.2015 | / | / | Regular distribution of vaccines from higher level to lower level (RVS to DVS to BVS ) |
| Medium | 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) |
| Medium | E7 | Determination of reorder level for each Antigen and lead time for each facility | DVS/BVS | DIO/DEO/BHM | 1.10.2014 | 31.30.2015 | / | / | Maximum inventory control mechanism to be developed |
| High | E8 | Capacity building of DIO/MOIC/Health worker /cold chain technician in various aspects routine immunization and cold chain | District | DIO and Development partners | 01.11.2014 | 31.12.2015 | / | NRHM/PIP 2014-15 Part-C/Development partners | 3 day “ RI training of medical officer “ and 2 day training “ cold chain handler module“ |
| High | E8 | Capacity building of data entry operator and managers in MCCIMS , BVLMS, HMIS & MCTS | District | DIO and UNICEF | 1.11.2014 | 31.12.2015 |  | NRHM/PIP 2014-15 Part-C/Development partners, | One day reorientation training on |
| MEDIUM | 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 /Development Partners | 1.11.2014 | 31.3.2015 | / | 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 T/Block | DIO/SIO/Development Partners | 1.11.2014 | 31.12.2015 | / | UNICEF | Dissemination through the supportive supervision cell”, Dept of PSM AIIMS Patna |
|  | Medium | 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 |
| Medium |  | Recruitment of regional vaccine logistic manager | State | SHSB / DVELOPMENT PARTNERS | 1.04.2015 | 31.3.2016 | / | NRHM/ Development Partners | For proposal in NRHM PIP-2015-16 |