COLD CHAIN LOGISTICS IMPROVEMENT PLAN – VAISHALI

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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 DF 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 equipment’s to the state |
| Medium | E3 | Development of dedicated dry space | DVS /BVS | DM / CIVI SURGEION /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 | Signage’s for ILR & DF to be developed by UNICEF |
| Building, Cold Chain Equipment & Transport | High | E4 | Supply of cold chain equipment /repair toolkit and float assembly | District | SIO and UNICEF |  |  |  | NRHM/UNICEF | Each district should have toolkit and float chain assembly to reduce cold chain sickness rate. |
| Medium | 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/CIVIL SERGION | 01.11.2014 | 31.12.2015 | /- | NRHM | To be incorporated in PIP(2015-16) |
| Medium | E4 | Condemnation of obsolete cold chain equipment | DVS/BVS | DIO and cold chain technician |  |  |  |  | Letter issued by state health society Bihar(SHSB/R1/414/3570 Dt. 15/05/2014) |
| Medium | E4 | Generator back up to all cold chain stores | DVS/BVS | Civil Surgeon/DIO | 01.11.2014 | 31.12.2015 | /- | NRHM/ | 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 equipment | DVS/BVS | Civil Surgeon/DIO/EDID | 01.11.2014 | 31.03.2015 | /- | Am/EFID | Repair of existing non functional stabilizers or purchase of new voltage stabilizer were needed |
| Low | E4 | Provision of landline telephone with broadband internet connectivity | DVS/BVS | Civil Surgeon/DM | 01.11.2014 | 31.12.2015 | /- | NRHM,PIP  2015-16 |  |
| Maintenance of buildings, cold chain equipment’s | High | E5 | Regular preventing maintenance of cold chain equipments | District | SIO(SHSB) | 01.11.2014 | 31.03.2015 | /- | NRHM/UNICEF | Each district to have dedicated cold chain technician |
| Medium | E5 | Preventive maintenance and overhaul program for vehicles(TEKA express) | District | DM/Civil Surgeon/DIO |  |  |  |  | Six monthly preventive maintenance of vehicles(outsourcing) |
| Low | E5 | Preventive maintenance of buildings | District | DM/Civil surgeon | 01.11.2014 | 31.12.2015 | /- |  | Coordination with pwd |
| Vaccine stock management | High | E6 | Computerized vaccine stock management(BVLMS) | DVS/BVS | DIO/DEO/Cold chain handlers/MYC/DHM/UNICEF | 01.10.2014 | 31.12.2015 | /- | UNICEF | Scale up of BVLMS up to block |
| Medium | E6 | Use of standard vaccine, register indent form, issue voucher and issue register | DVS/BVS | SIO/DIO | 01.10.2014 | 31.03.2015 | /- | /- | New vaccine register, Pass book Chelan 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 counting of vaccines and diluents. | DVS/BVS | DIO/Cold chain handlers | O1.11.2014 |  |  |  | Monthly physical count of vaccines and diluents and match with the stock register |
| Vaccine  Distribution | High | E7 | Development of effective vaccine distribution plan and its execution | DVS/BVS | DIO/cold chain handlers/DEO | 01.11.2014 | 31.03.2015 | /- | /- | Regular distribution of vaccines from higher level to lower level(RVS to DVS to DVS to BVS) |
| Medium | E7 | Implementation of MDVP | DVS/BVS | DIO/Cold chain handler/Health Worker | 01.10.2014 | 31.03.2015 | /- | /- | MDVP guidelines letter issued by(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 | 01.10.2014 | 31.03.2015 | /- | /- | Maximum minimum inventory control mechanism to be developed. |
| Vaccine Management | High | E8 | Capacity building of DIO/MOSIAC/Health Worker/Cold Chain technician in various aspects of routine immunization and cold change. | District | DIO/Development partners | 01.11.2014 | 31.12.2015 |  | NHRM/PIP 2014-15 Part-C/Development partner | Training on three day “RI training of medical officers” and two training in “cold chain handlers module” |
| High | E8 | Capacity building of data entry operators and managers in MCCIS,BVLMS,HMIS&MCTS | District | DIO & UNICEF | 1.11.2014 | 31.12.2015 |  |  | One day reorientation training on |
| Medium | E8 | Training of DIO/MYC in using “immunization data of action” | District | DIO | 1.11 |  |  |  | Half day training of DIO and MOIC using immunization data collect |
| MIS & supportive functions | High | E9 | Supportive supervision for RI and cold chain by line supervisiors,development partners, and college faculty | District/Block | SIO/DIO/Development partners | 1.11.2014 | 31.03.2015 |  | NRHM/PIP-partc-2014-15 Development partners | Supportive supervision using android based technology |
| Medium | E9 | Availability of real time data for evidence based decision-making. Use of android technology for supportive supervision | District/Block | SIO/DIO/Development partners(UNICEF as lead partner) | 1.11.2014 | 31.12.2015 |  | UNICEF | Dissemination through supportive supervision cell, department of PSM AIIMS |
| Medium | E9 | Cold chain supportive management. Capacity building of DIO/DEO in using EVM | State | SIO/UNICEF | 1.11.2014 | 31.12.2014 |  | UNICEF | One day training on EVM based assessment |
| Deployment of human resource | High | * - | Deployment of dedicated DIO/Cold chain Technician in each district. | State | Govt of Bihar/State health society Bihar | 01.04.2015 | 31.03.2016 |  |  | Regular/NRHM |
| High |  | Reorganization of cadre of cold chain handlers | state | SIO/DIO | 1.11.2014 | 31.03.2016 |  |  | Trained dedicated ANM to be given full charge as cold chain handler |
| Medium |  | Recruitment of regional vaccine logistic manager | State | SHSB/Development partners | 1.04.2015 | 31.03.2016 |  | NRHM | For proposal in NHRM/PIP 2015-16 |