



## COLD CHAIN LOGISTICS IMPROVEMENT PLAN – NAWADA

## 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	CCH/ 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--15	RI Meeting /Trainings. (Monthly and quarterly RI meeting at District and Block level.)
	Med	E2	Update temperature log book including remarks such as review by MOIC/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 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 maintenanc	A partition needed in existing Cold Chain store to develop dry



									e Grant )	storage space.
	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	Signage for ILR and Defreeze to be developed by UNICEF
Buildings, cold chain equipment's and transport	HIGH		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 of ventilation, cleanliness ,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 (2015-2016)
	Med	E4	Condemnation 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)
	Med	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 sourced 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	Civil Surgeon/DIO/D FID	01.11.2014	31.03.2015	--	AMC/DFID	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 2015-2016	--
Maintenance of buildings, cold chain equipment's	High	E5	Regular preventive maintenance of cold chain equipment	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	--	--	--	--	Half yearly 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/D EO/CCH/ ANM	1.11.2014	31.12.2014	--	UNICEF	Scale up of 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
Vaccine Distribution Vaccine management	High	E7	Development of effective vaccine distribution plan and its execution.	DVS/BVS	DIO/DEO/CCH	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/ BHM	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 Development partners.	01.11.2014	31.12.2015	--	NRHM/PIP 2014-2015 Part-C/Development 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/Development partners	One day re-orientation training on NCCMIS, BVLMS, HMIS, MCTS.
	MEDI UM	E8	Training of DIO and MOIC in using immunization data for action.	District	DIO	1.11.2014	31.3.2015	--	--	Half day training of DIO and MOIC using immunization data for action.
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--2014-2015 Part-C/Development Partners.	Supportive supervision using android based technology.
	MEDI UM	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, Department 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 / Development Partners	1.04.2015	31.3.2016	--	NRHM/ Development Partners	For proposal in NRHM PIP-2015-2016