

COLD CHAIN LOGISTICS IMPROVEMENT PLAN – BEGUSARAI

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 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 create dry storage space.

	Med	E3	Development & display of vaccine emergency preparedness plan.	DVS/BVS	DIO & Development Partners	01/11/14	31/01/15	--	Development partners	Prototype given in Cold Chain Handler 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/ UNICEF	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 maintenance 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



			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/CCH	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 dated 22/02/13.



	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 on Cold chain handlers module.
Vaccine Management	High	E8	Capacity building of DEO 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, in using EVM dashboard.	State	SIO / UNICEF	01/11/14	31/12/14	--	UNICEF	1 day training on EVM dashboard.
	High	--	Deployment of dedicated full time district Immunization officer, Cold	State	GoB / SHSB	01/04/15	31/03/16	--	--	Regular / NRHM



			chain technician in each district							
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