

COLD CHAIN LOGISTICS IMPROVEMENT PLAN – ARARIA

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 CCH 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	CCH/ MOIC/ DIO	01/10/14	31/12/14	--	--	--
Storage Capacity	High	E3	Provision of additional ILR & DF as per target population.	DVS/BVS	SIO & Gol	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	DVS/BVS	DIO & Developme	01/11/14	31/01/15	--	Development partners	Prototype given in Cold Chain Handler



			preparedness plan.		nt Partners					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 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, and 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 & CCT	01/11/14	31/03/15	--		Letter issued by State Health Society Bihar (SHSB/RI/414/13/35 70 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 outsourced 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 connectivity.	DVS/BVS	DM/CS	01/11/14	31/12/15	--	--	Incorporation in NRHM PIP 2015-16
Maintain acne of building cold chain equipment & vehicles	High	E5	Regular preventive maintenance of CCE.	District	SIO (SHSB)	01/11/14	31/03/15		NRHM / UNICEF	Each district to have dedicated cold chain technician.
	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.
Vaccine Stock Management	High	E6	Computerized vaccine stock management (BVLMS).	DVS/BVS	DIO/DEO/ CCH/ MOIC/BHM / UNICEF	01/10/14	31/12/15	--	UNICEF	Scale up of BVLMS up to block.
	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 CCH 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/CCH	01/11/14	31/12/15	--	--	Monthly physical count of vaccine and diluents and match with the stock register.
Vaccine distribution	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)



	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 reorder 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.
Vaccine Management	High	E8	Capacity building of DIO/MOIC/HW/CCH/CCT and Managers in various aspects of Routine Immunization and Cold Chain.	District	DIO/Devel opment partners	01/11/14	31/12/15	--	NRHM PIP 2014-15 Part - C / Developme nt Partner	3 day RI training of MO & 2 days training on CCH module.
	High	E8	Capacity building of DIO 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	--	--	Half day training of DIO / MOIC in using Immunization data for action.
MIS & supportive functions	High	E9	Supportive supervision for RI & Cold Chain by line supervisors, Development partner, Medical college faculty.	District, Block	SIO/DIO/ Developme nt Partner	01/11/14	31/03/15	--	NRHM PIP 2014-15 part – C / Developme nt Partners	Supportive supervision using android based technology.
	Med	E9	Availability of real time data for evidence based decision-making. Use of android based technology for supportive supervision.	District, Block	SIO/DIO/ Developme nt 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.



Deployment of Human Resource	High	--	Deployment of dedicated and full time DIO, CCT in each district.	State	GoB / SHSB	01/04/15	31/03/16	--	--	Regular / NRHM
	High	--	Reorganization of cadre of CCH.	State	SIO/DIO	01/11/14	31/03/15	--	--	Trained dedicated ANM to be given full charge as CCH.
	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