

## COLD CHAIN LOGISTICS IMPROVEMENT PLAN – GAYA

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	Remark
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	1.10.2014	31.12.2014	--	--	--
	Med	E2	Capacity building of cold chain handlers in reading thermometer.	DVS, BVS	MOIC/DIO	1.11.2014	31.12.2014	--	NRHM PIP 14--15 Part C	RI Training/ Meeting (Monthly and quarterly RI meeting at district and block).
	Med	E2	Update temperature logbook including remarks such as power failure, defrosting, make and model number of cold chain equipment.	DVS, BVS	Cold chain handler/ MOIC/ DIO	1.10.2014	31.12.2014	--	RKS	--
Storage Capacity	High	E3	Provision of DF and ILR as per target population.	DVS, BVS	SIO and Govt. of India	1.10.2014	31.03.2015	--	--	Govt. of India to supply additional cold chain equipment to the state (Bihar).



	Med	E3	Development of dedicated dry space.	DVS, BVS	DM/CS/DIO	1.11.2014	31.03.2015	--	NRHM (Annual maintenance grant)	A partition needed in existing cold chain store to develop dry storage space.
	Med	E3	Development of Vaccine Emergency Preparedness Plan.	DVS, BVS	DIO and development partners.	1.11.2014	31.03.2015	--	Development Partner	Prototype given in Cold Chain Handlers Module.
	Med	E3	Proper storage of vaccine in ILR.	DVS, BVS	DIO and UNICEF	1.11.2014	31.03.2015	--	UNICEF	Signage's for ILR and DF to be developed by UNICEF.
Building, Cold Chain Equipment and Transport	High	E4	Supply of Cold Chain Equipment – repair Toolkit and floating assembly.	District	SIO, UNICEF	1.11.2014	31.03.2015	--	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 stores to meet required standards for ventilation, cleanliness, and safety, free from cracks, seepage and safe electrical refitting where required.	DVS, BVS	DM/CS	1.11.2014	31.03.2015	--	NRHM	To be incorporate in PIP 2015--2016
	Med	E4	Condemnation of obsolete cold chain equipment.	DVS, BVS	Cold Chain Technician	1.11.2014	31.03.2015	--	--	Letter issued by State Health Society (SHSB/RI/414/13/3570 Dt. 15.05.2014)



	Med	E4	Generator backup up to all cold chain stores	DVS, BVS	CS/DIO	1.11.2014	31.03.2015	--	NRHM PIP 2014--2015	Generator outsource to district, POL for generator of cold chain store (State PIP 2014--2015)
	Med	E4	Functional voltage stabilizer for every cold chain equipment.	DVS, BVS	CS/DIO/DFID	1.11.2014	31.03.2015	--	AMC/DFID	Repair of existing non-functional voltage stabilizers or purchase of new voltage stabilizer where needed.
	Low	E4	Provision of landline telephone with broadband internet connectivity.	DVS, BVS	DM/CS	1.11.2014	31.03.2015	--	Incorporation in NRHM PIP 2015-2016	--
Maintenance of building, cold chain equipment and vehicles	High	E5	Regular preventive maintenance of cold chain equipment.	District	SIO, SHSB	1.11.2014	31.03.2015	--	NRHM/UNICEF	Each district to have dedicated cold chain technician.
	Med	E5	Preventive maintenance and overhaul programme for vehicles (Teeka Express).	District	DM/CS/SIO	1.11.2014	31.03.2015	--	--	Six monthly preventive maintenance of vehicles (outsourcing).
	Low	E5	Preventive maintenance of buildings.	District	DM/CS	1.10.2014	31.03.2015	--	--	Coordination with PWD.
Vaccine	High	E6	Computerized vaccine stock	DVS, BVS	DIO/DEO/	1.10.2014	31.03.2015	--	UNICEF	Scale up of



stock managemen t			management (BVLMS).		CCH/ MOIC/BHM/ UNICEF					BVLMS up to block.
	Med	E6	Use of standard vaccine stock register, indent form, issue voucher, and issue register.	DVS, BVS	SIO/DIO	1.10.2014	31.03.2015	--	--	New vaccine register, passbook, challan, issue register supplied to all DVS, 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 vaccine and diluents.	DVS, BVS	DIO/Cold Chain Handler	1.11.2014	31.03.2015	--	--	Monthly physical count of vaccine and diluents and match with the stock register.
Vaccine distribution	High	E7	Development of effective vaccine distribution plan and its execution.	DVS, BVS,	DIO/DEO/ CCH	1.11.2014	31.03.2015	--	--	Regular distribution of vaccines from higher level to lower level. (RVS to DVS, DVS to BVS).
	Med	E7	Implementation of MDVP.	DVS, BVS,	DIO/CCH/ HW	1.10.2014	31.03.2015	--	--	MDVP guidelines letter issued by SHSB (SHSB/RI/348/10/1538 Dated 22.02.2013)
	Med	E7	Determination of reorder level for each antigen and	DVS, BVS	DIO/DEO/ BHM	1.10.2014	31.03.2015	--	--	Maximum minimum



			lead time for each facility							inventory control mechanism to be developed
Vaccine Management	High	E8	Capacity building of DIO, MOIC, HW, CCH, CC Technicians and managers in various aspects of routine immunization and cold chain.	District	DIO and Development Partners	1.11.2014	31.03.2015	--	NRHM PIP, 2014--2015/Development Partner	3 day RI Training of Medical Officers and two day training in Cold Chain Handlers Module.
	High	E8	Capacity building of data entry operators and managers in NCCMIS, BVLMS, HMIS, MCTS.	District	DIO, UNICEF	1.11.2014	31.03.2015	--	--	One day re-orientation training on NCCMIS, BVLMS, HMIS, MCTS.
	Med	E8	Training of DIO, MOIC in using Immunization data for action.	District	DIO, UNICEF	1.11.2014	31.03.2015	--	--	Half day training of DIO, MOIC in using Immunization data for action.
MIS and Supportive functions	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	31.03.2015	--	NRHM PIP 2015--2015, Part C/Development Partners	Supportive supervision using android based technology.
	Med	E9	Availability of real time data for evidence based decision-making. Use of android technology in supportive supervision.	District, Block	SIO, DIO, Development Partners (UNICEF as lead partner)	1.11.2014	31.03.2015	--	UNICEF	Dissemination through Supportive Supervision cell, Dept. of PSM, AIIMS, Patna.



	Med	E9	Cold chain supportive management. Capacity building of DIO, DEO in using EVM dashboard.	State	SIO, UNICEF	1.11.2014	31.14.2014	--	UNICEF	One day training on EVM dashboard
Deployment of human resource	High	--	Deployment of dedicated full time district immunization officer, cold chain technician in each district.	State	Govt. of Bihar, SHSB	1.04.2015	31.03.2016	--	--	Regular/NRHM
	High	--	Reorganization of cadre of CCH.	State	SIO, DIO	1.11.2014	31.14.2014	--	--	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	31.03.2016	--	NRHM/Development Partners	For proposal in NRHM 2015-2016