

COLD CHAIN LOGISTICS IMPROVEMENT PLAN – MUZAFFARPUR

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	Fund Needed (in Rs.)	Funding Source	Remarks
Improve temperature recording of all cold chain equipment's	High	E2	Ensure Alcohol stem thermometer/data logger in every cold chain equipment.	DVS,BVS	Cold chain handler/MOIC / DIO/SIO	1.10.2014	31.12.2014	--	RKS	--
	Med	E2	Capacity building of cold chain handler in reading thermometer.	DVS,BVS	MOIC/DIO monthly and quarterly RI meeting at district and block	1.11.2014	31.12.2014	--	NRHM, PIP-2014-15 part C	RI Training/Meeting monthly and quarterly RI meeting at district and block levels.
	Med	E2	Update temperature log book including remarks such as review by MISC/DIO, power failure, defrosting,.	DVS,BVS	Cold chain handler/MOIC /DIO	1.10.2014	31.12.2014	--	--	--
Storage capacity	High	E3	Provision of additional ILR and DF 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	--	A partition needed in existing

								Mainten ance grant)		cold chain store to develop dry storage space.
	Med	E3	Development and display of vaccine emergency preparedness Plan.	DVS,BVS	DIO and development partners.	1.11.2014	31.01.2015	--	Developm ent Partner	Prototype given in cold chain handler's module.
	Med	E3	Proper storage of vaccine in ILR.	DVS, BVS	DIO and UNICEF	1.11.2014	31.01.2015	--	UNICEF	Signage for ILR and DF to be developed by UNICEF.
Building Cold chain equipment and transport	High	E4	Development of separate RVS Building, Equipment, Human Resource.	State	SIO, DM, CS, DIO	1.04.2015	31.03.2016	--	NRHM	For proposal in NRHM-PIP 2015- 2016
	High	E4	Supply of Cold Chain equipment – repair tool kit and float 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 store to meet required standard for ventilation cleanliness, cracks and free from water seepage. Electrical refitting were required.	DVS, BVS	DM, CS (PWD)	1.11.2014	31.12.2015	--	NRHM	To be incorporated in PIP 2015-2016
	Med	E4	Condemnation of obsolete equipment.	DVS, BVS	Cold Chain Technician.	1.11.2014	31.03.2015	--	--	Letter issued by State Health Society, Bihar. Letter no (SHSB/RI/414/13/ 3570



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	Med	E4	Generator back-up to all cold chain Stores.	DVS, BVS	SC, DIO	1.11.2014	31.12.2015	--	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 stabilizer or purchase of new voltage stabilizer if needed.
	Low	E4	Provision of Land Line Telephone with Broadband internet connectivity.	DVS, BVS	DM and CS	1.11.2014	31.12.2015	--	Incorporation in NRHM, PIP 2015-2016	--
Maintenance of building , CCE 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 program for vehicle (TEEKA Express)	District	DM, CS, DIO	1.11.2014	31.12.2015	--	--	Half yearly preventive maintenance of vehicles (Outsourcing).
	Low	E5	Preventive maintenance of buildings	District	DM, CS	1.11.2014	31.12.2015	--	--	Coordination with PWD



Vaccine Stock Management	High	E6	Computerized vaccine stock management (BVLMS)	DVS, BVS	DIO, DEO, Cold Chain Handler, MOIC, BHM, UNICEF	1.10.2014	31.12.2015	--	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	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, Cold Chain handler	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, Cold Chain Handler, health worker.	1.10.2014	31.03.2015	--	--	MDVP guideline letter issued by SHSB (SHSB/RI/348/10/1538 dated 22.02.2013).



	Med	E7	Determination of reorder level for each antigen and lead time for each facility.	DVS BVS	DIO, DEO, BHM	1.10.2014	31.03.2015	--	--	Maximum minimum inventory control mechanism to be developed.
Vaccine Management	High	E8	Capacity building of DIO, MOIC, health workers, Cold Chain handler, Cold Chain manager, in various aspects of routine immunization and cold chain.	District	DIO, Development Partner	1.11.2014	31.12.2015	--	NRHM, PIP 2014--15 part C /Development Partner	3 day "RI Training of Medical Officer and 2 day training in Cold chain handlers module"
	High	E8	Capacity building of Data Entry Operator and managers in NCCIS, HMIS, MCTS.	District	DIO, UNICEF	1.11.2014	31.12.2015	--	--	One day reorientation training on NCCIMS, BVLMS, HMIS, MCTS.
	Med	E8	Training of DIO MOIC in using "Immunization data for action"	District	--	1.11.2014	31.03.2015	--	--	Half day training of DIO MOIC in using Immunization data for action.
MIS and supportive function	High	E9	Supportive supervision for RI and Cold Chain by line supervisors, development partner, Medical College faculty.	District, Block	SIO, DIO, Development Partners	1.11.2014	31.03.2015	--	NRHM, PIP 2014--15 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	SO, DIO, Development partners (UNICEF as lead partner)	1.11.2014	31.12.2015	--	UNICEF	Dissemination through supportive Supervision cell, Department of PSM, AIIMS, Patna.



	Med	E9	Cold Chain Supportive management. Capacity building of PIO, data Entry Operator in using EVM Dashboard.	State	SIO, UNICEF	1.11.2014	31.12.2014	--	UNICEF	One day training on EVM dashboard.
Deployment of human resource	High	--	Deployment of dedicated full Time DIO, 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	31.03.2015	--	--	Trained dedicated ANM to be given full charge as cold chain handler.
	Med	--	Recruitment of regional vaccine Logistic manager.	State	SHSB, Development partner.	1.04.2015	31.03.2016	--	NRHM/Development Partner	For proposal in NRHM – PIP 2015-2016.