



COLD CHAIN LOGISTICS IMPROVEMENT PLAN – KATIHAR

Work plan for Cold Chain and Vaccine Logistics Management Strengthening Criteria: Vaccine Storage Temperature What needs Funds needed (in **Implementation** Responsibility to be done **Activity code** Priority End **Funding** Remark Start **Activity** Date Date source DVS, BVS Cold chain High **Improve** E2 Ensure alcohol stem 1.10.2014 31.12.2014 temperature thermometer/data logger handler/M recording of in every cold chain OIC/ all cold chain equipment. DIO/SIO Capacity building of cold DVS, BVS RI Training/ Meeting equipment Med E2 MOIC/DIO 1.11.2014 31.12.2014 NRHM chain handlers in reading PIP 2014-(Monthly and 2015 Part thermometer. quarterly RI meeting at district and block). C Med E2 Update temperature DVS, BVS Cold chain 1.10.2014 31.12.2014 RKS logbook including handler/ remarks such as power MOIC/DIO failure, defrosting, make and model number of cold chain equipment. Govt. of India to Storage High Provision of DF and ILR as DVS, BVS E3 SIO and 1.10.2014 31.03.2015 Govt. of supply additional cold **Capacity** per target population. chain equipment to India the state (Bihar). Med E3 Development of DVS, BVS DM/CS/DIO 1.11.2014 31.03.2015 **NRHM** A partition needed in dedicated dry space. existing cold chain (Annual maintena store to develop dry nce grant) storage space.





	Med	E3	Development of Vaccine Emergency Preparedness Plan.	DVS, BVS	DIO and developme nt partners	1.11.2014	31.03.2015	 Developm ent 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 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, 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 20142015).
	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	 Incorpora tion in NRHM PIP 2015 2016	
Maintenanc e of building, cold chain	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.
equipment and vehicles	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 stock managemen t	High	E6	Computerized vaccine stock management (BVLMS).	DVS, BVS	DIO/DEO/ Cold Chain Handler, MOIC,BHM , UNICEF	1.10.2014	31.03.2015	 UNICEF	Scale up of 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	\1.10.201 4	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 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 Managemen t	High	E8	Capacity building of DIO, MOIC, HW, CCH, CC Technicians and managers in various s of routine immunization and cold chain.	District	DIO and Developme nt Partners	1.11.2014	31.03.2015	 NRHM PIP, 20140201 5/Develo pment Partner	3 days RI Training of Medical Officers and two day training in Cold Chain Handler 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, Developme nt Partners	1.11.2014	31.03.2015	 NRHM PIP 2015 2015, Part C/Develo pment Partners	Supportive supervision using android based technology.
	Med	E9	Availability of real time data for evidence based decisionmaking. Use of	District, Block	SIO, DIO, Developme nt Partners	1.11.2014	31.03.2015	 UNICEF	Dissemination through Supportive Supervision cell, Dept.





			android technology in supportive supervision.		(UNICEF as lead partner)				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, Developme nt Partners	1.04.2015	31.03.2016	 NRHM/De velopmen t Partners	For proposal in NRHM 2015-2016.