



COLD CHAIN LOGISTICS IMPROVEMENT PLAN – VAISHALI

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	Cold Chain Handler/ MOIC/ DIO/ SIO.	01.10.2014	31.12.2014	--	Rogi kalyan samiti (RKS)	--
	Med	E2	Capacity building of cold chain handler in reading thermometer.	DVS/BVS	Cold Chain Handler/ MOIC/ DIO/ SIO.	01.11.2014	31.12.2014	--	NRHM / PIP PART-C 2014-15	RI Meeting /Trainings. (Monthly and quarterly RI meeting at District and Block level).
	Med	E2	Update temperature log book with remarks such as review by MOIC and the DIO, power failure, defrosting, make and model number of cold chain equipment.	DVS/BVS	Cold Chain Handler/ MOIC/ DIO	01.10.2014	31.12.2014	--	--	--
Storage capacity	High	E3	Provision of additional ILR and DF as per the target population.	DVS /BVS	SIO / Govt. of INDIA	01.10.2014	31.12.2014	--	---	Govt. of India to supply additional cold chain equipment to the state.



	Med	E3	Development of dedicated dry space.	DVS /BVS	DM / Civil Surgeon/DIO	1.11.2014	31.3.2015	--	NRHM (Annual maintenance Grant)	A partition needed in existing cold chain store to develop dry storage space.
	Med	E3	Development and display of vaccine emergency preparedness plan.	DVS/BVS	DIO and Development Partners	01.11.2014	31.1.2015	--	Development Partners	Prototype given in cold chain handler module.
	Med	E3	Proper storage OF vaccines in ILR.	DVS/ BVS	DIO / UNICEF	01.11.2014	31.1.2015	--	UNICEF	Signage for ILR & DF to be developed by UNICEF.
Building, Cold Chain Equipment & Transport	High	E4	Supply of cold chain equipment /repair toolkit and float assembly.	District	SIO and UNICEF				NRHM/ UNICEF	Each district should have toolkit and float chain 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 Electrical refitting where required.	DVS/BVS	DM/CIVIL SERGION	01.11.2014	31.12.2015	--	NRHM	To be incorporated in PIP (2015-16).
	Med	E4	Condemnation of obsolete cold chain equipment.	DVS/BVS	DIO and cold chain technician					Letter issued by state health society Bihar (SHSB/R1/414/3 570 Dt. 15/05/2014).
	Med	E4	Generator back up to all cold chain stores.	DVS/BVS	Civil Surgeon/DIO	01.11.2014	31.12.2015	--	NRHM/	Generator outsource through district,



										POL for generator of cold chain store (state PIP 2014-15).
	Med	E4	Functional voltage stabilizer for every cold chain equipment.	DVS/BVS	Civil Surgeon/DIO/DFID	01.11.2014	31.03.2015	--	AMC/DFID	Repair of existing non-functional stabilizers or purchase of new voltage stabilizer were needed.
	Low	E4	Provision of landline telephone with broadband internet connectivity.	DVS/BVS	Civil Surgeon/DM	01.11.2014	31.12.2015	--	NRHM, PIP 2015-16	--
Maintenance of buildings, cold chain equipment's	High	E5	Regular preventive maintenance of cold chain equipment.	District	SIO/SHSB	01.11.2014	31.03.2015	--	NRHM/UNICEF	Each district to have dedicated cold chain technician.
	Med	E5	Preventive maintenance and overhaul program for vehicles (Teeka Express).	District	DM /DIO	--	--	--	--	Six monthly preventive maintenance of vehicles (outsourcing)
	Low	E5	Preventive maintenance of buildings.	District	DM	01.11.2014	31.12.2015	--		Coordination with PWD.
Vaccine stock management	High	E6	Computerized vaccine stock management (BVLMS)	DVS/BVS	DIO/DEO/CCH/MOIC/DHM/UNICEF	01.10.2014	31.12.2015	--	UNICEF	Scale up of BVLMS up to block level.
	Med	E6	Use of standard vaccine, register indent form, issue voucher and issue register.	DVS/BVS	SIO/DIO	01.10.2014	31.03.2015	--	--	New vaccine register, Pass book Chelan register supplied to all



										DVS and 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 counting of vaccines and diluents.	DVS/BVS	DIO/Cold chain handlers.	01.11.2014	--	--	--	Monthly physical count of vaccines and diluents and match with the stock register.
Vaccine Distribution	High	E7	Development of effective vaccine distribution plan and its execution.	DVS/BVS	DIO/cold chain handlers/DEO	01.11.2014	31.03.2015	--	--	Regular distribution of vaccines from higher level to lower level (RVS to SVS to DVS to BVS).
	Med	E7	Implementation of MDVP.	DVS/BVS	DIO/Cold chain handler/Health Worker	01.10.2014	31.03.2015	--	--	MDVP guidelines letter issued by (SHSB/RI? 348/10/1538 Dt. 22.02.2014).
	Med	E7	Determination of reorder level for each antigen and lead-time for each facility.	DVS/BVS	DIO/DEO/BHM	01.10.2014	31.03.2015	--	--	Maximum minimum inventory control mechanism to be developed.
Vaccine Management	High	E8	Capacity building of DIO/MOIC/Health Worker/Cold Chain technician in various aspects of routine immunization and	District	DIO/ Development partners	01.11.2014	31.12.2015	--	NHRM/P IP 2014-15 Part-C/Development	Three day RI training of medical officers and two days training in cold



			cold change.						partner	chain handlers module.
	High	E8	Capacity building of data entry operators and managers in NCCMIS, BVLMS, HMIS&MCTS.	District	DIO & UNICEF	1.11.2014	31.12.2015	--	--	One day reorientation training on NCCMIS, BVLMS, HMIS&MCTS.
	Med	E8	Training of DIO/MYC in using immunization data of action.	District	DIO	1.11.2014	--	--	--	Half day training of DIO and MOIC using immunization data collection.
MIS & supportive functions	High	E9	Supportive supervision for RI and cold chain by line supervisors, development partners, and college faculty.	District/Block	SIO/DIO/Development partners	1.11.2014	31.03.2015	--	NRHM/P IP-partc- 2014-15 Develop ment partners	Supportive supervision using android based technology.
	Med	E9	Availability of real time data for evidence based decision-making. Use of android technology for supportive supervision.	District/Block	SIO/DIO/Develo pment partners (UNICEF as lead partner)	1.11.2014	31.12.2015	--	UNICEF	Dissemination through supportive supervision cell, department of PSM, AIIMS.
	Med	E9	Cold chain supportive management. Capacity building of DIO/DEO in using EVM.	State	SIO/UNICEF	1.11.2014	31.12.2014	--	UNICEF	One day training on EVM based assessment.
Deployment of human resource	High	--	Deployment of dedicated DIO/Cold chain Technician in each district.	State	Govt of Bihar/State health society Bihar	01.04.2015	31.03.2016	--	--	Regular/NRHM.
	High	--	Reorganization of cadre of cold chain handlers.	State	SIO/DIO	1.11.2014	31.03.2016	--	--	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	For proposal in NHRM/PIP 2015-16.