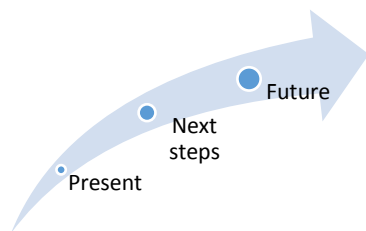

Project plan Implementation; Improvement of **Blood** Transfusion System in Nepal, a collective approach.



STEPS

1. Fact Finding Mission
 - i. Study Tour in Nepal in Jan. 2017.
 - ii. National workshops of stakeholders. Feb. 2017
 - iii. Assessment of doable Priorities and selection. Feb-april 2017.
2. Quality Management Training. July 2017.
 - i. Training for Management
 - ii. Training for Technicians.
 - iii. Selection of Champions.
 - iv. SWOT Analysis.
3. Study Tour in Sanquin Netherlands in Feb 2018.
 - i. Workout Implementation plan for priorities. Feb-April, 2018.
 - ii. Start of improvements. April-May 2018.
4. Review of implementation plan evaluation process in Sept./oct. 2018.
5. Next steps.....



April 30 , 2018

NRCS-CBTS, NRNA and Sanquin Consulting Service

Tentative Action Plan(2018-2020)for improvements.

Action plan for improvements: Blood Transfusion System in Nepal

Area for Action	What	Who	When	Resources	Resources/ Stakeholders	How(?)
1.Management & Organization	Overall Human Resource Planning	Dr. Manita Rajkarnikar/ NRCS-CBTS	Ongoing..	Internal NRCS, Sanjeev Thapa,Umesh Dhakal	External IFRC/ support from NRNA,Dr Martin Smid SQN.	
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin Financial Resources and facilitation: IFRC/ NRNA/TBi ,.....					+Fanindra Panta & Shishir Bhatta -TBi
	Coordination among BTS/Hospitals Units	NRCS /CBTS	Ongoing	NRCS-CBTS		Nepal Model
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin Financial Resources and facilitation: IFRC/ NRNA/TBi ,.....					
	Volunteer and donors database preparation	IT/IM/NRNA	ASAP	Ram Shrestha	+Dr Ravi Khadka & Dr Bishal Bhandari NRNA	BIS
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin Financial Resources and facilitation: IFRC/ NRNA/TBi ,.....					
2.Infrastructure & Equipment	Infrastructure: Construction CBTS Construction RBTS: Chitwan as backup BB. Other RBTS and DBTS	NRCS	Ongoing	Sanjiv Thapa, Umesh Dhakal.	Counselling for process flow and floor plan + Thai RC > CBTS + MIT> RBTS	
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin Financial Resources and facilitation: Thai Redcross/IFRC/ NRNA/MIT..					+ Nanda Gurung, NRNA
	Equipment	CBTS, RBTS,DBTS, Hospital BB.	April 2018 Start Ongoing process	Ram Shrestha Shrawan Sh.	+Sanquin, +NRNA and other partners(Sanima) are	

Author: Partners in collaboration for improvements; NRCS-CBTS, NRNA Academy,Sanquin Consulting Service, TBi, NBBTS/April 2018.

					expected to support.	
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin					
	Financial Resources and facilitation: IFRC/ NRNA/Thai Redcross/Finish Redcross.					
	Maintenance Plan & Procedure	Ram Shrestha	May 2018 Start	CBTS, RBTS	+Jeeban Ghimire NRNA	
	Calibration		Aug-18	Shrawan		
3. Donation						
	Donor Motivation/Retention plan <ul style="list-style-type: none"> Campaign Ambassadors (Shiva Pariyar.) 	Sandesh Thapa	April 2018	Sandesh Thapa and team & all BTS	+Arjun P.Mainali & Som Sapkota, Rajmani Bhandari, Thakur P Sharma,Na waraj Pokharel, Raju Saiyad (NRNA), Celebrity Singer	
	Donor Database	Ram Shrestha	Within 2018 Start May June 2018	All donor clubs, all BTS	+Dr Ravi Khadka & Dr Bishal Bhandari NRNA	
	Develop communication strategy for donor management/ administration	Public Relation Officer/ donor management/ administration	Start May 2018 Continue process	/ NRCS communication Department/ IT/IM colleagues	+Dr Roshan Lal Shrestha, Dipak Gautam from NRNA to provide expertise support.	Call & SMS for Donor Call
	Regular donation at blood center	Dr Prakash Yadab	Starting from May 2018	All BTS	+Binita Rimal, Sabistha Shrestha, NRNA	
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin					
	Financial Resources and facilitation :NRCS/ NRNA/ Hospitals/Donor Associations,clubs,...					
4. Products	Processing, storage	Shrawan K Shrestha.		CBTS	+ Dr Bipin Nepal, SQN.	

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	Demand- Supply Plan	Dr Manita	May 2018	CBTS/NRCS/	+ NBBTS		
	Components	CBTS		Upto 60%	Sanquin,..		
	Logistics & Cold Chain			CBTS	+ Som Sapkota , Raju Saiyad, Nanda Gurung, Jivan Ghimire,NR NA,..		
					TBi/Sheer Bhatta		
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin						
	Financial Resources and facilitation: IFRC/ NRNA/...						
5. TTI	Screening Strategies	NRCS/MoH		CBTS/NBBTS	+Dr Roshan Lal,NIH Shrestha, Surendra Koju DH		
	Antibody Screening for Rh- pregnant women	CBTS	July-18	CBTS, RBTS	+ Fanindra Panta SQN Sita Shrestha NIH NBBTS Support		
	Weak D antigen in Rh-	CBTS	June 18	CBTS, RBTS	+ Fanindra Panta, SQN NBBTS Support		
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin						
	Financial Resources and facilitation: IFRC/ NRNA/MoH						
6. Quality Control and Quality Assurance							
	Quality Control; Blood Donor Selection, recruitment SOP	Shrawan K Shrestha,CBTS			+Dr Saroj R Ghimire, NRNA		
	SOP Update	CBTS	June 2018	QC	WHO, GAP,NBBTS , SQN Support		
	Uniform Blood Volume	CBTS		QC/ Collection			

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	10% to test for platelet count	CBTS				
	10% to taste for hemoglobin of in house collection	CBTS				
	Quality Assurance	CBTS			+Ashwini K Nepal & Dr Janak Lal Pathak	
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin					
	Financial Resources and facilitation: NRCS/ NRNA/MoH					
7. Trip & Haemovigilance	Trip: Netherlands Model(TRIP)	CBTS/NBBTS		NBBTS	+ Dr Bodh Raj Subedhi & Dr Sanjiv Sapkota, H& Hy., NRNA	MoH
	Haemovigilance - Japan Model	CBTS/NBBTS		NBBTS	+ JAPAN RC + prof.Dr Saroj Thapa(Norway)	
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin					
	Financial Resources and facilitation: NRCS/ NRNA/ MoH					
8. Capacity building	Education & Training	Dr. Manita to coordinate, NRCS implement, MoE for accreditation	ongoing/regular	CBTS	+Dr Martin Smid,Sanquin either on-site or virtually, NRNA Academy to coordinate /Tbi/ GAP/ TRCS/ facilitate NRCS	
	Orientation to volunteers		Plan to make by may 2018	CBTS, RBTS	+ Binita Rimal, Sabistha Shrestha, NRNA Academy	
	Internships			CBTS, RBTS	+ Suresh Gautam, Canada, Vinay Adhikari (NRNA)	

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	Refreshment Course For blood bank staff				+ NRNA Academy	
	School Education				+ NRNA Academy	
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin					
	Financial Resources and facilitation: NRCS/ NRNA/ MoH/MoE					
9. Strengthen BTS at different levels		NRCS Leadership and Senior Management	Continued process	Umesh Dhakal, Executive Director, NRCS	Resources from potential partners/ NRNA/ Sanquin/ IFRC	
1.	Citawan	„		Mr.Ramesh Paudel	+ Janaki Gurung NRNA + Sita Sapkota NRNA	
2.	Birgung	„		Mr.Pravin Manandhar		
3.	Nepalgung	„		Mr.Regmi		
4.	Biragnagar	„		Mr.Yadav		
5.	Pokhara	„		Mr.Dhurba Lamichhane	+ Himal Gurung, NRNA +Thaneshwar Kandel, NRNA	
6.	Dhangadi	„		Dharani Pant		
10. Policy advice/ Research/ Projects	National Steering Committee for BTS,NRCS-CBTS for technical advice				Sanquin, WHO, NBBTS, + NRNA Academy	
	1. Best Match(Blood Typing	Uru Thapa, Shrawan Shrestha		+ Fanindra Panta, SQN	Expected from NBBTS, Medicity	
	2. Donor Study	Sanjeev Yadav Som Sapkota Surendra Koju Gita Chhetri		+Ananda Ghimire, IOM, Roshan NIH	Expected from NBBTS, Medicity	
	3. Donor Dial	Ram Shrestha Sandesh Thapa		CBTS, RBTS, DBTS	+ Lok Raj Sharma, SEDC NRNA	
	Knowledge Resources/Expertise : GAP/NRNA/Sanquin					
	Financial Resources and facilitation: NRCS/ NRNA/ MoH/MoE,.....					

Author: Partners in collaboration for improvements; NRCS-CBTS, NRNA Academy, Sanquin Consulting Service, TBI, NBBTS/April 2018.

Note: This collective action plan is based on the stepwise approach of Sanquin for improvement, doable priority list prepared after the national workshop of the stakeholders in Nepal in February 2017 and follow-up questionnaires, SWOT analysis, QMS Training July 2017 in Nepal, Technology Transfer Mission (observation tour & management training at Sanquin) and action plan proposed by the team.

*The first preparation year of the joint project has developed this stepwise action plan for the next two years of **implementation phase**.*

+Budget/ Funding for external support is the responsibility of the partners in improvement collaboration.