



Non Resident Nepali Association (NRNA)  
International Coordination Council

### **Term of references**

## **C12S5 Blood Transfusion System (Technology Transfer) (A Program of NRNA Academy)**

### **Introduction:**

40<sup>th</sup> ICC meeting of Non Resident Nepali Association (NRNA) has formed the special committee to work for the Betterments of Blood Transfusion System in Nepal. This committee shall work for the quality management system development in the Blood Transfusion system across the country: NEPAL. As a global program of NRNA running in the flag of *NRNA Academy*; a motivated, focused and professional team of 21 NRNs (excluding 5 specialist advisors) representing different regional body of NRNA; will work together in this *technology transfer mission* which makes direct impact in saving lives.

There is already a developed project collaboration among the institutions like NBBTS( MoH), NRCS-CBTS, Netherlands Blood Supply Foundation Sanquin and funding partners like TBi Group. Tailor made Trainings for staff of Nepal Redcross Blood bank system is already in operation. This committee shall further facilitate the institutional collaboration, operate innovative methods to invest knowledge and experiences of NRN expertise, introduce creativeness & voluntary activities of Young Blood. This committee shall work in finding resources, more corporate sponsors, funding for activities and projects that relate to quality management system of blood bank chain: health of donors and patients.

Many National Chapters of NRNA ( NRNA NCCs) can be partner of different project activities initiated by this committee. Since there are 105 blood banks in 73 districts of Nepal, different diaspora Nepalese associations relating to specific district or region can be also project partners with NRNA to contribute in their respective areas. Thus, this committee is technically a *facilitator* for greater social cause!

### **Background:**

There is a collaborative effort going on for the Betterment of Blood Transfusion System in Nepal in terms of project:

*"Developing safe and sustainable blood transfusion system in Nepal"*

It is a technical development program for quality system development in Nepal Redcross Society Central Blood Transfusion Service (NRCS CBTS), Nepal, initiated by NRNA in technical collaboration with Sanquin Consulting Service, the Netherlands.

Blood Transfusion Service (BTS) is one of the priority programs of the Government of Nepal (GoN). The Nepal Red Cross Society (NRCS) started providing the institution- based BTS through the Department of Pathology at Bir Hospital in 1964 and the first BTS was established as Laxmi Blood Bank in 1966. In recognition of the pioneering and long service of NRCS, in 1992 His Majesty's Government of Nepal (HMG/N) mandated NRCS as the sole agency to conduct the blood programs in Nepal. A national policy on BTS was then developed and approved by HMG/N through a cabinet decision in 1993.

During the initial years, BTS in Nepal was available only in Kathmandu but over the years, it has been expanded to 105 BTS Centers (BTSC) in 73 of the 75 districts of the country. Out of these 105 centers, one is functioning as NRCS Central BTS Centre (CBTSC). At present, BTS is being regulated by Central Blood Transfusion Service (CBTS) under Nepal Red Cross Society. Ministry of health (MoH) has established a regulated body, NBBTS, under National Public Health Laboratory (NPHL).

The supply of safe and adequate blood and blood products has remained one of the main goals of the National Blood program. However, several limitations exist within the CBTS to reach the goal in satisfactory levels. Among many, the major limitations are the *lack of technical expertise* and the state-of-art facility in preparation of blood products required for any sort of demand. Additionally, in current situation the CBTS also lacks the availability of *latest screening assays for supply of safe and quality blood or blood products*. With the objective to uplift the standards of BTS in Nepal, NRN bio-tech professionals working in different parts of the world is teamed up voluntarily. The team aims to develop and establish a strategy for promoting safe and sustainable blood transfusion system in Nepal. The team has technical collaboration with Sanquin Blood Supply Foundation, The Netherlands who technical expertise will be used for this project.

### **Aims and Objectives:**

The objectives are planned to meet in different phases.

- Support for strategic planning and capacity building for the basic necessity of CBTS Nepal to develop: “Centrally Coordinated Blood Transfusion Service with the guarantee of Minimum Standard Quality Overall the Country”, with the intellectual and technical support from Sanquin Blood Supply Foundation, The Netherlands.
- Review the existing status of blood centers in Nepal in terms of infrastructural facilities, human resources, managerial and technical aspects.
- Conducting research with the help of trained staff under Sanquin – NRCS CBTS training program to Identify gaps between current practices and WHO recommended standards. Apply the uniform methods for gradual improvements in the system.
- Support in the development of donor screening and diagnostic assays for safe supply of blood and blood products as per demand.
- Support in expansion of production of different blood products as per demand in Nepal’s medical and surgical context.

### **Collaborating Partners:**

Sanquin Consulting Services, National Blood Supply Foundation of the Netherlands, NRCS-CBTS, Nepal.

### **Funding Partners:**

TBi Group, NRNA NCC NL, other NCCs and potential corporates operated by NRNs, other org.

### **Facilitator:**

NRNA, NBBTS(National Bureau for Blood Transfusion System) MoH.

### **Time frame:**

Basic time line of first project collaboration phase: 02.02.2017 to 30.01.2020 (three years)

Extension: There is possibility of continuing support by **NRNA Academy** to the National Blood Program of Nepal Government.

## **NRNA Academy:**

NRNA Academy to launch such innovative programs in the initiation of diaspora Nepalese professionals for the betterments of such national systems of Nepal which has broad and direct social impacts. Other than pure charity projects, NRNA Academy to operate educational, motivational, awareness and tailor made training programs for many other such sectors in Nepal to create the methods of working together with Nepalese colleagues. In many ways NRNA Academy can facilitate internship programs, research programs as well as NRN volunteer expertise (after pension) investment programs in needy fields of Nepal. There must be one special section made available to NRNA Academy with infrastructure facility in NRNA Building in Baluwatar Kathmandu.

More related information and activities:

<https://b3nepal.wixsite.com/b3nepal>

<https://www.facebook.com/bloodstudy/>

<https://nl.nrna.org/One-NCC-One-Project>



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### **Guidelines for the Committees & TF**

#### **1. Formation of the Committees/Sub committees and TFs.**

- The Coordinator of the Committee is nominated by the ICC.
- The Coordinator is given a mandate to select members of the Committee/Sub-committee/TF based on their knowledge, experience and expertise on the area of the Committee/Sub-committee/TF.
- Any NRN can be the member of the Committee/Sub-committee/TF.
- The Coordinator should consult with office bearers, ICC members and NCC Presidents to select the members.
- A Committee can consist of 5 to 21 members only.
- Committees and TF members should be informed to NCC executive committee after nomination.
- The members of the Committee/Sub-committee/TF must be fully committed for the activities.
- The advisors of the committee should not be more than 5.
- One person (except the IES members) can be members of two committees/Sub committees or TFs.
- The Coordinator of the Committee/Sub-committee/TF must announce the members and submit the Terms of Reference along with the work schedule, fund management to Office Bearer within one month from the date of nomination of the Chair.

#### **2. Operational Framework:**

- A detailed work plan is to be prepared by the Coordinator of the Committee in consultation with the Committee members.

- The Committee should convene regular meetings (cyber, video or physical)
- Committee is to liaise with concerned governmental or non-governmental entities. For example, the Foreign Employment and Migrant Workers Welfare Committee liaises with FNCCI, the Ministry of Labor and Social Welfare and civil society in Nepal for consultation.
- The consultation with government and other concerned entities is facilitated by or pre-notified to the NRNA Secretariat.
- The Committee may seek advises from ICC Office Bearers, if and when required.
- The Committee can conduct public seminar or workshop if necessary. But this should be pre-notified to the NRNA Secretariat.
- NCCs will pre-notify the Coordinator of a Committee about their activities related to the Committee/Sub-committee/TF.
- The Committee can prepare the frame works and other backgrounds for MOU's with other entities but those documents should be approved by Office Bearer. The Chair of the Committee cannot sign MOU independently without approval of NRNA ICC.
- The Committee should independently prepare schedule and find necessary fund for their activities. Committee may collect fund within or outside the NRN Community for its activities. The fund should be collected only in the NRNA account and Committee should provide full report of the fund. The fund must be handled by NRNA Secretariat.

### **3. Deliberation of the Outcomes/Results:**

- The Coordinator should submit a written progress report to the OB at least a week before the regular ICC meeting.
- The final recommendation of the Committee should be submitted at least three months before the global conference for wider discussion among ICC and concerned entities.
- The ICC must endorse the final recommendation to be presented in the global conference.
- The final recommendation will be available in print to the participants of the global conference.
- The ICC will submit the recommendation to the government or concerned entities if and when necessary.

### **4. Time Frame:**

The Committee will commence its work with immediate effect and will continue until the next NRN Global Conference in October.



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**Committee**

**C12S5 Blood Transfusion System (Technology Transfer)  
(A Program of NRNA Academy)**

**C12 NRNA Academy: Chair Dr. Pramod Dhakal**

**C12S1 Open University (NRNA Open Academy): Convener Dr. Pramod Dhakal**

**C12S2 Nepal Science Foundation: Convener Dr. Raju Adhikary**

**C12S4 Travel Safety and Road Security: Convener Tharka sen**

**C12S5 Blood Transfusion System (Technology Transfer): Convener Fanindra Panta**

**C12S6 Health and Hygiene Improvement: Convener Dr. Sanjeeb Sapkota**

**C12S7 Skill Training Centre: Convener Mr. Pawan Dhakal**

**C12S8 Policy Institute: Convener Khagendra Dhakal**

**C12S5 Blood Transfusion System (Technology Transfer)**

**Convener Fanindra Panta**



*Fig.1 Composition of committee in the basis of work division*

## Role and Responsibilities

### Advisors

- Participate in the committee meeting to advise or provide written advice when applicable.
- Supervision of committees Activities & outcome.

### Convenor:

- Formulate strategic policy plan, program structure, guidelines and ToR
- Work closely with NRN ICC and Secretariat and submit quarterly report
- Participate and represent in NRN Academy, ICC meeting and NRN Executive body meeting as needed
- Liaison and work closely with other NRN Academy committees
  - Represent NRN ICC to GoN, public and private institutions, donor agencies meetings.
  - Represent committee in different institutional collaboration.

### Committee Champions

- Convene committee quarterly team meeting.
- Take lead and initiative and develop project plan, proposal and its implementations including fund raising activities for the cause.
- Liaison with subcommittee team members and provide strategic support for successful completion of the project undertaken.
- Represent the Subcommittee in various NRN meetings at NCC and regional levels.
  - Motivate NCCs and Nepali organizations for partnership in different projects and activities.
- Compile the progress report and submit to Convenor
- Work closely with the convenor and secretariat on administrative matters
- Conduct annual auditing report and submit the report (if applicable) to the Convenor
- Maintain website and publish materials which is focused for different projects.
- Take lead and work on different projects related to blood donation, quality management of blood bank process,

- Represent Committee in NRNA and other government agencies, NRCS meetings, meeting with other institutions in collaboration as per Convenor instruction.

**Time Frame:** committee will run for two years from 2017-2019