

**Minimum Requirements for Proficiency
Certificate Level Midwifery Program
2075 (2018)**



Nepal Nursing Council

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Preface

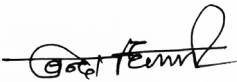
Nepal Nursing Council (NNC) is a regulatory body for maintaining the standards and quality of nursing and midwifery education and services. The parliamentary enactment of the NNC Act is an important milestone towards development of nursing and midwifery professions in the country. NNC Act paves the path to regulate nursing and midwifery professions and for regulation of the standards in nursing and midwifery education a minimum requirement guideline is required. This minimum requirements for Proficiency Certificate Level (PCL) Midwifery Program is enacted in accordance to the power conferred by the clause (d), (e), (f) and (g) of sub-section (1) of section 9 of the Nepal Nursing Council Act, 2052 (1996) on the year 2075 BS (2018 AD).

The minimum requirements for midwifery education program have been developed as per the felt need to start PCL midwifery program according to the National Health Policy 2014. These minimum requirements address the requirement of physical infrastructure, human resources and clinical (hospital and community) resources along with the requirement for student enrollment.

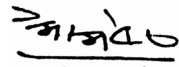
The minimum requirements have undergone considerable changes through workshop and meetings. Therefore, we hope this guideline will facilitate the institutions with midwifery education program for effective teaching learning activities in order to ensure the fulfillment of program requirements.

We congratulate the team working who have conscientiously devoted the time in the finalization of the requirement. We appreciate their sense of dedication and contribution in this document is highly commendable.

We would like to extend our sincere gratitude to UNFPA Nepal for the support provided to develop the minimum requirements for the PCL Midwifery education in Nepal. We would also like to thank the experts from UNFPA in the process of developing the requirements so that it would give a clear direction for the institution to initiate the midwifery education in the country.



Assoc. Prof. Binda Ghimire
Registrar
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Prof. Goma Devi Niraula
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BACKGROUND

The Nepal Nursing Council (NNC) has approved these requirements exercising the power conferred by Clause (d), (e), (f) and (g) of Sub-section (1) of Section 9 of the Nepal Nursing Council Act, 2052 (1996) with second amendment. This requirement shall be called “**Minimum Requirements for Proficiency Certificate Level Midwifery Program**”. It shall come into effective from the year 2075.

The institution proposed to start Proficiency Certificate Level (PCL) Midwifery Program has to fulfill the minimum requirements for quality midwifery education by providing the evidence of having strong organization governance with optimal organizational structure, adequate educational materials/equipments, interactive teaching-learning facilities, plans and policies for development of faculties and students, ongoing evaluation system and curriculum implementation in order to qualify for recognition of the program from the Nepal Nursing Council. An academic institution meeting below specified requirements will be recommended to start PCL Midwifery Program.

1. GENERAL INFORMATION

- 1.1. Name of the institution:
- 1.2. Full Address (Location, email, contact person, phone number, webpage):
- 1.3. Date of establishment:

2. GOVERNANCE AND ADMINISTRATION

- 2.1 There should be a governing body, consisting of Academic Management Committee with representation of Campus Chief and midwifery educator.
- 2.2. Organizational structure: The organogram of the institution should give a clear picture of how authority and other functional relationships have been structured.
- 2.3 The institution should have following
 - Institution's philosophy
 - Vision
 - Mission
 - Aim and objectives
- 2.4 Academic Sector
 - Campus Chief
 - Head of Department
 - Coordinator
 - Simulation mentor
- 2.5. Administrative sector should consist of:
 - a. Account section
 - b. General and personnel administration section
 - c. Examination section
 - d. Store section

e. Library

f. Hostel

2.6 The institution should have following committees:

a. Advisory committee consisting of:

- Head of the institution
- Campus Chief
- Hospital Director
- Head of Department of Midwifery Education
- Nursing/Midwifery Director
- Midwife clinical supervisor/clinical preceptors
- Representative of Ministry of Health and Population (MoHP)
- Representative from local authorities

b. Curriculum committee

c. Examination committee

d. Skill Lab committee

e. Library committee

f. Student welfare committee

g. Clinical co-ordination committees:

- Hospital co-ordination committee
- Community co-ordination committee

2.7 Financial System

The institution must have a well-established financial system including:

- Total budget for funding the midwifery education
- Sources of income
- Annual budget
- Previous year's financial statement
- Audit report

3. MIDWIFERY EDUCATION PROGRAM ADMINISTRATION

3.1 Head of the program should be midwife/nurse with following criteria:

- a. Registered with the Nepal Nursing Council and is a holder of a valid license to practice the profession.
- b. Minimum Bachelor in Midwifery or Bachelor of Nursing (Midwifery elective) with Skilled Birth Attendants (SBA) training preferable
- c. Minimum three years teaching experience in field of midwifery after bachelor degree, and
- d. Minimum three years hands on clinical experience in field of maternity
- e. Educational Credentials: Attendance of Continue

Professional Development sessions are the additional assets

3.2 Responsibilities and authorities of the Head of the
Midwifery Program

- a. Participate actively in formulation and revision of the aim and policies of the institute.
- b. Participate actively in recruitment of faculty and administrative staffs.
- c. Plan, organize, monitor, supervise, evaluate and direct the program including budgeting.
- d. Develop the job description for faculties and administrative staffs.

- e. Facilitate activities related to academic and personnel policies, curriculum development, and course evaluation.
- f. Coordinate and liaison with NNC, MoHP, Ministry of Education, Science and Technology (MoEST), Academy/Institution, Professional Association, and other relevant organizations.

4. FACULTY QUALIFICATION

4.1 Midwifery Faculties

- Registered with the Nepal Nursing Council and is a holder of a valid license to practice the profession.
- Bachelor in Midwifery or Bachelor of Nursing (Midwifery elective) with SBA training
- Minimum three years hands on clinical experience in midwifery either in hospital or community settings

1.2 Faculties for nursing skills

- Registered with the Nepal Nursing Council and is a holder of a valid license to practice the profession.
- Bachelor of Nursing with relevant subjects
- Minimum three years hands on clinical experience either in hospital or community settings.

4.3 Faculties for core courses

- Post-graduate qualification in relevant subjects.

4.4. Qualification of Clinical Preceptors

- Registered with the Nepal Nursing Council and is a holder of a valid license to practice the profession.
- Minimum Bachelor of Midwifery or Bachelor of Nursing (Midwifery elective) or Bachelor of Nursing with SBA
- Recent three years hands on clinical experience in the field of maternity
- Should be a clinical from clinical placement site

5. FACULTY AND STUDENTS RATIO

Faculty should be sufficient for teaching and clinical supervision in the program. The midwifery teacher/ student ratio should be as follows:

- Overall ratio of teacher to students must be 1:6
- For clinical teaching and supervision the midwifery teacher / preceptor ratio should be 1:4.
- For skill lab demonstration the ratio should be 1:6
- For community field the ratio should be 1:6

6. TEACHING LOAD

- For campus chief: 25 hours/year
- For faculties: 100 hours/year.
- Midwifery faculty/other related faculties: 30 hours of clinical supervision per week, during clinical posting

7. ADMINISTRATIVE STAFFS

To facilitate teaching learning activities of the program, the institution must have administrative staff as follows:

| Categories of Staffs | No. | Qualification |
|--|------------|---|
| Administrative officer | 1 | Bachelor level in management |
| Account officer | 1 | Bachelor level in management |
| Librarian | 2 | Bachelor level qualification with library science-1 Assistant-1 |
| Skill Lab Manager | 1 | PCL or grade 12 passed in any discipline |
| Computer technician/ operator/ typist | 1 | Diploma in computer science with English and Nepali typing experience |
| Driver | 1 | |
| Helper | 2 | Able to read and write Nepali & skilled in cycling. |
| Security guards | 2 | Under SLC |
| Cleaners | 2 | Able to read and write Nepali |
| Hostel Incharge | 1 | Nurse with Certificate or Bachelor level |
| Kitchen staff | 2 | Able to read and write Nepali |

8. STUDENT ENROLLMENT AND DEVELOPMENT

8.1 Student Enrollment

- Annual intake

- Intake size: The maximum students' intake size of 30 students is determined by the resources of the institution (physical infrastructure, faculties and clinical facilities). There is also the provision for reduction of the students' intake size on failure to meet the requirement of the resources.
- Intake ratio: Direct entry intake 30%, TSCL Auxiliary Nurse-Midwife intake 70%. If quota is not fulfilled from one stream intake then it can be fulfilled by another stream.
- Entry qualification:
 - ANM: SLC passed or SEE passed with minimum C Grade (GPA 2.0) with compulsory Science, English and Mathematics, plus TSCL in Auxiliary Nurse Midwife (ANM) with minimum 70% score in aggregate
 - Direct entry intake: School Leaving Certificate (SLC) at least in 2nd division (50% in aggregate) with Science, English and Mathematics or SEE with minimum C+ Grade (GPA 2.4) with compulsory Science, English and Mathematics.
- Criteria and procedures for student selection should be transparent.
- Students selection is the responsibility of the academy/institution as per demand of the MOHP
- Admission policy:
 - Admission should be on the basis of merit list of the entrance examination.
 - Series of attitude and aptitude test will be conducted by the institution preferable.
 - Registered with the Nepal Nursing Council for ANMs and is a holder of a valid license to practice

8.2 Student Development

- Participation in extracurricular activities at local/ national level.
- Organization of educational exhibitions related to midwifery at least once during the whole academic program.
- Participation in professional/social activities related to midwifery

9. PHYSICAL INFRASTRUCTURE

9.1 Teaching Learning Facilities

- Academic block with 3 lecture rooms (Size: 0.6 sq m per student)
- Each lecture room should be equipped with
 - LCD Projector/OHP/Screen
 - White Board
 - Podium (Stage)
 - Comfortable desk and chair/ bench for students
- Auditorium (100 Capacity)
- Vehicle for students' transportation to clinical placement as per number of students.

9.2 Laboratory Rooms

- Skill Laboratory: There should be well equipped skill lab with
 - ANC
 - Labor and Neonatal lab
 - PNC and Family planning
 - Community and Nutrition
 - Basic science lab
 - Skill lab for fundamental skills

1.3 Office for Principal/Campus chief/Program co-coordinator

- Well-furnished separate office with computer, printer, notice

board, well lighted, well ventilated, telephone and internet facilities.

- Separate toilet
- A faculty meeting room/conference room.
- Faculty Office: Well lighted, well ventilated, separate table and chair, cupboard for individual faculty, computer, internet facilities, printing access, pantry facilities and separate toilet

9.4. Office Space for Administrative Staff

- An office for administrative staff along with facilities for filing documents.
- A room for the examination section
- A store room

9.5. Library

- An office room for library staff
- Library room with adequate facilities for keeping books, journals and other documents.
- Seating capacity for 50% of the total number of students and 10% of total faculty members along with light and cross ventilation.
- Midwifery books: There should be adequate midwifery books with at least 80% of the prescribed books by course curriculum.
- Text books must have a 50% and Reference books 10% of the student intake size (latest edition).
- Journals
 - Professional journals should be available including access to on-line journals.
 - National level documents on health, annual reports, research reports, national health plans and policies and other relevant publications should be available in the library.
 - National reproductive health guideline and protocols
 - E-learning

- Computer with internet facility for students at a ratio of 5:1
- Printing and photocopying facility

9.6 Hostel for Students

- Adequate room for accommodation for at least 50% of the students
- Bathroom and toilet at a ratio of 1:10 students at the same building
- Laundry room
- Recreation room and counseling room
- Food preparation/kitchen room
- Store room
- Dining room
- Visitor room
- Office for housekeeper
- Sick room
- Room for hostel incharge
- Room for house keeper
- Room for security guard

1.7 Extra-curricular Activities

- An outdoor game facilities
- An indoor game area and materials

10. FACILITIES FOR CLINICAL PRACTICE OF THE STUDENTS

10.1 For the intake size of 30 students the hospital must have:

- Hospital having at least 1500 birth per year recognized by the MoHP or University Hospitals.

- Birthing centre (stand alone or alongside) having at least 150 birth per year recognized by the Ministry of Health and Population
- The clinical sites should have Operation Theatre, Maternity, Gynae, Pediatric, and NICU, MICU, ANC OPD, ANC Ward, Birthing centre, FP/MCH clinic, Adolescent clinic, Safe Abortion Service (CAC/PAC), and One-stop Crisis Management Center (OCMC).
- Medical, Surgical and Psychiatric Units
- Skills practice corner besides the delivery room

1.2 Memorandum of Understanding Letter of at least 5 years agreement between the hospital and the institution must be obtained before starting the program (if the institution does not have its own hospital)

1.3 The hospital should have the following facilities for the academic activities:

- Adequate equipments and supplies for the midwifery procedures.
- Changing room for teacher and students
- Room for pre and post conference and meetings including simulation lab with manikins.
- There should be enough nurse/ midwives to provide 24 hour maternity service (Nurse/Midwife and women ratio as per the government of Nepal standard guideline for routine care Morning 1:6, Evening 1:6, Night 1:6 and during active phase of labor 1: 2, Labor 2:1)
- Hospital Nursing Director should be at least Bachelor in Midwifery/ Nursing with at least 10 years clinical experience.
- Maternity ward in-charge should have Bachelor of Midwifery or Bachelor of Nursing with SBA training with at least 2yearshands on clinical experience in maternity.

11. FACILITIES FOR COMMUNITY FIELD PRACTICE

- Concurrent practice: Rural Municipality based Primary Hospital/ birthing centers, Health Post, MCH and Family planning clinic.
- Residential community midwifery practice: Rural municipality based primary hospital/birthing centers, Health Post with Birthing centers, Maternal and Child Health and Family Planning Clinic.
- Permission letter from health institutions/offices should be obtained

12. MIDWIFERY FACULTY DEVELOPMENT

- Midwifery Educators Training
 - Training on Sexual, Reproductive, Maternal and Newborn and Adolescent Health (SRMNAH)
 - Training of Trainers (TOT) including Clinical Training Skills (CTS)
 - Skilled Birth Attendants Training
 - Appreciative Inquiry
 - Provision for the participation in national and international midwifery conferences or events
 - Exposure exchange visit nationally and internationally
 - Provision of fund for research activities
 - Continuous professional development (CPD) on current midwifery evidence based education and skill based learning
- **13. MIDWIFERY CLINICAL REQUIREMENTS**

| Requirement | No. of Cases |
|---|---------------------|
| Perform ANC assessment | 100 |
| Plot partograph | 60 |
| Assist normal childbirth /Physiological birth | 50 |

| | |
|---|--------|
| Assist abnormal childbirth | 10 |
| Perform placenta examination | 60 |
| Perform per vaginal examination | 60 |
| Perform of episiotomy when necessary and suturing | 10 |
| Perform perineal tear repair | 20 |
| Perform active management of 3 rd stage of labour | 50 |
| Assist for Helping mother survive (Management of postpartum hemorrhage) | 10 |
| Observe/assist manual removal of placenta (MRP) | 2 |
| Perform/assist vacuum extraction | 2 |
| Assist baby for Breathe (bag and mask ventilation for newborn) | 6 |
| Assist in cesarean section | 5 |
| Care of mother with cesarean section | 5 |
| Examine postnatal mother | 50 |
| Provide essential newborn care | 50 |
| Support in newborn breastfeeding | 50 |
| Management of severe pre-eclampsia /eclampsia | 2 |
| Assist/perform Post abortion care (PAC) | 10 |
| Observe/assist and perform Postpartum IUCD Implantation | 5 |
| Assist/perform IUCD Implantation /removal | 5 each |
| Assist/perform Implant insertion/removal | 5each |
| Assist/perform cervical cancer screening (VIA) test | 5 |
| Assist/perform insertion of ring pessary | 5 |

| | |
|--|---|
| Assist safe abortion service (SAS) | |
| - Medical abortion(MA) | 5 |
| - Assist surgical abortion (MVA) | 5 |
| Project work | 1 |
| Observation visit-birth center, women's centered care and psychological counselling center | 2 |
| Portfolio (normal and abnormal) from antenatal to postnatal (Journey of pregnancy to childbirth) | 2 |

14. REQUIREMENTS FOR COMMUNITY

| SN | Requirements | No. of Cases |
|----|--|--------------|
| | Perform antenatal assessment | 10 |
| | Assist birth in birthing center (Health Institution) | 5 |
| | Perform PNC examination | 5 |
| | Perform newborn assessment | 5 |

15. EQUIPMENT/SUPPLIES FOR TEACHING- LEARNING

15.1 Skill lab for fundamental skills

| 15.1.1 Equipments | QTY |
|---|--------|
| Hospital adult bed | 2 |
| Bedside locker | 2 |
| Mannequin: Adult male and female | 1 each |
| CPR Model | 1 |
| Trays of different sizes (small, medium and large) for procedures | 4 each |
| Bowl of different sizes (small, medium and large) | 4 each |

| | |
|---|--------|
| Kidney trays of different sizes | 6 |
| Basins | 6 |
| Feeding cup | 2 |
| Sputum mug | 2 |
| Bed pan | 2 |
| Urinal | 1 |
| Enema can set (One liter capacity) | 1 |
| Measuring jugs of different capacities (250, 500 and 1000 ml) | 1 each |
| Catheter container with cover | 1 |
| Dressing drum (small and large) | 1 each |
| Trolley with two shelves (upper and lower shelve) | 1 |
| Nail cutter | 3 |
| Comb | 3 |

15.1.2 Instruments

| | |
|--|--------|
| Cheattle forceps | 2 |
| Sponge holding forceps | 2 |
| Artery forceps: Straight and curved | 4 each |
| Dissecting forceps: Toothed and Non-toothed | 4 each |
| Mosquito forceps | 2 |
| Kocker's forceps | 2 |
| Needle holding forceps: 6 inch, 7 inch and 8 inch size | 2 each |
| Scissors: Surgical, suture cutting and bandage cutting | 2 each |
| Tongue depressor | 2 |
| Ear irrigation syringe | 1 |
| Ear speculum | 1 |

| | | |
|---------------|--|-------------|
| | Surgical blades of different sizes | 1 set |
| | Airway tube: Different sizes of adult and pediatric size | 1 each |
| | Endotracheal tube: Different sizes for adult and pediatric | 1 each |
| 15.1.3 | Glassware | |
| | Measuring cups: 30 ml, 120 ml and 240 ml | 1 each |
| | Ounce glass | 1 |
| | Digital thermometer | 2 each |
| | Specimen collection bottles | 6 |
| 15.1.4 | Syringes and needles | |
| | Syringes: 2 ml, 5 ml, 10 ml and 20 ml size | 2 each |
| | Tuberculin syringe | 2 |
| | Insulin syringe with needle | 2 |
| | Needles of different sizes | 2 each |
| | Suturing needles: Straight (cutting and round) and curved | 4 each |
| | IV cannulas of different sizes | 2 each |
| | Ear irrigation syringe | 1 |
| 15.1.5 | Suturing materials | |
| | Suture threads: Vicryl | 1 pack |
| | Catgut: Absorbable and non-absorbable | 1 pack each |
| 15.1.6 | Rubber goods | |
| | Mackintosh: Full bed length, for draw mackintosh and treatment/dressing mackintosh | 2 each |
| | Hot water bag | 2 |
| | Ice cap | 1 |
| | Gloves of different sizes | 2 dozen |
| | Catheters: Foley's, plain, nasal and rectal | 2 each |

| | |
|-----------------------------------|--------|
| Gastric lavage tube | 2 |
| Ryle's tube: Adult and pediatric | 2 each |
| Flatus tube | 2 |
| Air ring | 2 |
| Douche nozzles of different sizes | 1 each |

15.1.7 Linen

| | |
|--|---------|
| Mattress: Adult size | 2 |
| Bed sheet: Top and bottom sheet | 8 |
| Draw sheet | 4 |
| Pillow | 4 |
| Pillow cover | 8 |
| Sand bag with cover | 2 |
| Blankets | 2 |
| Towels: Bath, hand and surgical | 2 each |
| Sponge cloth | 1 dozen |
| Hot water bag cover | 1 |
| Ice cap cover | 1 |
| Gown, mask and cap for OT | 2 each |
| Perineal sheet, abdominal sheet, eye sheet | 2 each |
| Patient's cloth | 2 set |
| Dirty linen bag | 1 |
| Screen curtains | 2 |

15.1.8 Miscellaneous

| | |
|------------------------|---|
| Teeth model with brush | 1 |
| Torch light | 2 |
| Nail brush | 2 |
| Adult weighing scale | 1 |
| Backrest | 1 |

| | |
|---|--------|
| Foot drop | 1 |
| Splints of different sizes | 2 each |
| Bandages of different sizes | 2 each |
| IV stand | 2 |
| Measuring tape | 2 |
| Different color buckets with cover for waste disposal practice (red, black, green, blue, yellow and purple) | 1 each |
| Blood pressure measuring instrument set | 2 |
| Soap and soap dish | 1 |
| Dust bin | 1 |
| Hand washing facility | 1 |
| Cardiac table | 1 |
| Screen | 2 |
| Bottle with solution: Methylated spirit, Beta-dine, Vaseline and glycerin | 1 each |
| Liquid paraffin | 1 |
| Potassium permanganate crystals-packet | 1 |
| Sodium bicarbonate power-packet | 1 |
| Learning guide for students' practice | 2 |

15.2 Basic Science Lab

| | | |
|---------------|---------------------------------|--------|
| 15.2.1 | Bones | |
| | • Adult human skeleton | 1 |
| | • Bones of different body parts | 2 sets |
| 15.2.2 | Models | |
| | • Skin cross section | 1 |

| | | |
|---------------|---------------------------------------|--------|
| | • Heart and large blood vessels | 1 |
| | • Eye and ear model | 1 each |
| | • Brain with spinal cord | 1 |
| | • Lung and trachea | 1 |
| | • Digestive system | 1 |
| | • Female and male reproductive system | 1 each |
| | • Urinary system | 1 |
| 15.2.3 | Charts | |
| | • Skeleton system | 1 |
| | • Muscular system | 1 |
| | • Joints and ligaments | 1 |
| | • Nervous system | 1 |
| | • Cardio-vascular system | 1 |
| | • Respiratory system | 1 |
| | • Digestive system | 1 |
| | • Urinary system | 1 |
| | • Skin, eye and ear | 1 each |
| | • Endocrine system | 1 |

15.3 Midwifery and Newborn Skill Lab

15.3.1 Anatomical Models and bones

| SN | Items | Description | QTY |
|-----------|--------------|--------------------|------------|
|-----------|--------------|--------------------|------------|

| | | | |
|--|--|---|-------|
| | Mama Birthie | Birthing model ideal to demonstrate in skills and simulation mode. Abdominal examination, Vaginal examination including cervical dilation, effacement, moulding, presentation, station, Normal Delivery, Breech Delivery, Vacuum Delivery, Shoulder dystocia, Atonic and contracted uterus, Respectful maternity care | 10:1 |
| | Mama Natalie | Bleeding after birth, positioning and delivery of the baby, FHS, cervix landmarks, urine bladder catheterization, uterine massage, uterine compression | 1 |
| | Neonatalie | Newborn resuscitation | 1 |
| | Mama U | PPIUCD, Condom Tamponade | 2 |
| | Sister U | IUCD, Uterine size and position | 2 |
| | Little Anne QCPR (Adult Resuscitation Manikin) | CPR for mother | 1 |
| | Preemie Natalie | Preterm Baby for Nasogastric/orogastric placement and tube feeding, Kangaroo Mother care | 2 |
| | Gynaecoid Pelvic (Uterus with ligaments) | | 6 |
| | IV Infusion model | | 2 |
| | Pelvic Model (with land marks) | | 6 |
| | Fetal development model | | 1 set |

| | | | |
|-----|---|---|--------|
| | Fetus, Umbilical Cord and placenta | | 2 sets |
| | Fetal Skull | | 6 |
| | Cervical Replicas | For IUCD Inserter | 3 |
| | Arm Model- Implant | | 3 |
| 15. | IUCD Hand Model | | 6 |
| 16. | Breast Model | | 3 |
| 17 | Condom Model | | 2 |
| 18 | Anatomical models for injection in arm buttock and thigh | Can use soft doll or small piece of fruit | 5 |
| 19 | Pregnant abdomen model | | 2 |
| 20 | Uterus and placenta model | | 2 each |
| 21 | Cervical dilatation model | | 2 |
| 22 | Perineum cutting and suturing training simulator | | 2 |
| 23 | Small ball (cricket, basketball, tennis) and socks for assessing dilatation of cervix | | 5 |

15.3.2 New Born Corner

| SN | Items | QTY |
|----|--|---------|
| 1 | New Born Resuscitation set and Neonatalie | 2 |
| 2 | Suction Tube different sizes -- Penguin suction | 10 2 |
| 3 | Cord Clamp Or Thread | 10 |
| 4 | Infant Weighing Scale | 1 |
| 5 | Measuring Tape | 4 |
| 6 | Digital Thermometer | 4 |
| 7 | Gauze / Cotton | 10 pcs |
| 8 | Gloves | 1 dozen |
| 9 | Resuscitation table with light and mattress | 1 |
| 10 | Suction Machine (Manual and electrical) | 1 each |
| 11 | Oxygen cylinder with full set | 1 |
| 12 | Clothes/wrappers for both mother and baby | 2 set |
| 13 | Linen and blanket for mother and baby | 2 set |
| 14 | Birthing bed | 1 |
| 15 | Wheel Chair | 1 |
| 16 | Peri light | 2 |
| 17 | Bed side locker | 1 |
| 18 | IV stand | 2 |
| 19 | Oxygen cylinder with complete set | 1 |

15.3.3 Childbirth Room

| SN | Items | QTY |
|----|---|-----|
| 1 | Birthing bed (Client bed or birthing table with privacy screen) | 1 |
| 2 | Physiological/normal childbirth set | 5 |
| 3 | Episiotomy set | 2 |
| 4 | Vacuum set | 1 |

| | | |
|----|--|----------|
| 5 | Exploration set | 1 |
| 6 | Suturing set | 2 |
| 7 | Ambu Bag (Adult) | 1 |
| 8 | B.P Instrument | 2 |
| 9 | Adult Weight Scale | 1 |
| 10 | Measuring Jug | 2 |
| 11 | Fetuscope (Pinard's) | 4 |
| 12 | Doppler | 1 |
| 13 | Intravenous infusion set | 2 |
| 14 | Water Proof Sheet (Mackintosh) | 4 |
| 15 | Syringe (3 ml, 5 ml, 10 ml) | 5 each |
| 16 | Sterile gloves | 1 packet |
| 17 | Emergency Medication Trolley with medicine | 1 |
| 18 | Blood sample Bottles | 10 |
| 19 | Personal Protection Equipment | 2 |
| 20 | PPIUCD set | 2 |
| 21 | Condom tamponade set for PPH management | 2 |

15.3.4 Infection Prevention

| SN | Items | QTY |
|----|---|--------|
| 1 | Plastic Bucket 20 Liter of different color (for waste disposal) as per the national guideline | 1 each |
| 2 | Plastic bowl (large size) | 3 |
| 3 | Autoclave machine | 1 |
| 4 | Surgical Drum stainless steel different size | 3 |
| 5 | Protective attire (Sterile gloves, utility gloves, plastic apron, cap, mask, goggles, boot) | 2 set |
| 6 | Hand washing Facility | 1 |
| 7 | Chlorine powder | 6 pkt |
| 8 | Detergent powder/liquid | 1 |
| 9 | Scissors | 1 |

15.3.5 Family Planning

| SN | Items | QTY |
|----|--|------------|
| 1 | Contraceptive devices | |
| | Male and Female Condoms | 1 box each |
| | Diaphragm | 2 |
| | Implant | 2 set |
| | IUCD | 2 |
| | Injectable (Depo-Noristran, Norhignon) | 2 |
| | Pills | 3 pkt |
| | Foam, Suppository, Jelly | 2 each |
| 2 | Implant Insertion/Removal kit | 2 set |
| 3 | IUCD Kit | 1 |
| 4 | Female/Male Sterilization kit | 1 each |

15.3.6 Physiological Birthing set

| SN | Items | QTY | Remarks |
|----|-----------------------------------|---------------------|-------------|
| 1 | Instrument wrapper (double layer) | 1 | Packing set |
| 2 | Baby wrapper | 4 each 1 meter size | |
| 3 | Rubber sheet | 1 pc 1 meter | |
| 4 | Artery Forceps 8 inch | 2 pc | |
| 5 | Big bowl | 1 | |
| 6 | Gallipot | 1 | |
| 7 | Cord cutting scissor | 1 | |
| 8 | Sponge holder forceps | 1 | |
| 9 | Gauze/cotton | 4 pc | |
| 10 | Peri pad | 4 pc | |

15.3.7 Manual Vacuum Aspiration (MVA) set

| SN | Items | QTY | Remarks |
|----|---|-------|---------|
| 1 | Set wrapper double cloth | 1 | |
| 2 | Tray | 1 | |
| 3 | Bi-valve vaginal Speculum (Double valve) / Kuchkosh | 1 | |
| 4 | Volsellum | 1 | |
| 5 | Sponge holder | 1 | |
| 6 | Galley pot | 1 | |
| 7 | Gauze/Cotton | 4 pc | |
| 8 | Kidney Tray (500 ml) | 1 | |
| 9 | MVA cannula different size (5-12) | 1 set | |
| 10 | MVA syringe | 1 set | |
| 11 | Betadine solution | | |
| 12 | Disposable syringe 10cc | 1 | |

15.3.8 Postpartum intrauterine contraceptive device (PPIUCD) set

| SN | Items | QTY | Remarks |
|----|--|-----|---------|
| 1 | Set wrapper double cloth | 1 | |
| 2 | Tray | 1 | |
| 3 | Wrapper (perineal and abdominal wrapper) | 2 | |
| 4 | Sponge holder | 2 | |
| 5 | Kelly's forceps | 1 | |
| 6 | Sims Speculum | 1 | |
| 7 | Galley pot | 1 | |
| 8 | Gauze | 2 | |
| 9 | Antiseptic solution/Betadine | 1 | |

15.3.9 Episiotomy and repair set

| SN | Items | QTY | Remarks |
|----|---------------------------|-----|---------|
| 1 | Single and double wrapper | 1,1 | |
| 2 | Episiotomy scissor | 1 | |
| 3 | Tooth forceps 6 inch | 1 | |
| 4 | Non tooth forceps 6 inch | 1 | |
| 5 | Suture cutting scissor | 1 | |
| 6 | Needle holder 7 inch | 1 | |
| 7 | Artery forceps | 1 | |

15.3.10 Cervical tear Inspection/Repair set

| SN | Items | QTY | Remarks |
|----|---------------------------------|-----|---------|
| 1 | Sim's Speculum | 2 | |
| 2 | Sponge holder forceps | 4 | |
| 3 | Needle holder 8 inch | 1 | |
| 4 | Suture cutting scissor | 1 | |
| 5 | Gallipot | 1 | |
| 6 | Gauze/ cotton | 4,4 | |
| 7 | Set Wrapper double cloth | 1 | |
| 8 | Chromic catgut No.1/Vicyrl no.1 | 1 | |

15.3.11 Newborn Resuscitation

| SN | Items | QTY | Remarks |
|----|-------------------------|--------|---------|
| 1 | Neonatalie | 1 | |
| 2 | Neonate Ambu Bag | 1 | |
| 3 | Mask No-1, No-0 | 1,1 | |
| 4 | Suction tube ; No, 8,10 | 2 each | |
| 5 | Penguin Suction | 1 | |
| 6 | De Lee Suction | 1 | |
| 7 | Baby Wrapper | 2 | |

15.3.12 Condom tamponade set

| SN | Items | QTY | Remarks |
|----|-----------------------------|---------|---------|
| 1 | Double Wrapper | 1 | |
| 2 | Tray | 1 | |
| 3 | Sims Speculum | 1 | |
| 4 | Sponge holder | 2 | |
| 5 | Scissors | 1 | |
| 6 | Thread/clamp | 3 | |
| 7 | Peri Pad | 2 | |
| 8 | Kidney Tray 500 ml | 1 | |
| 9 | Condom | 2 | |
| 10 | Folly's Catheter No.16 & 18 | 2 | |
| 11 | Normal saline 500 ml | 2 | |
| 12 | IV Set | 1 | |
| 13 | Gloves Sterile | 2 Pairs | |

15.3.13 Implant Insertion set

| SN | Items | QTY | Remarks |
|----|---|-----------|---------|
| 1 | Wrapper double cloth | 1 | |
| 2 | Trocar and cannula | 1 | |
| 3 | Non tooth forceps | 1 | |
| 4 | Forceps (Sponge holder) | 1 | |
| 5 | Mosquito artery forceps (curved and straight) | 2 | |
| 6 | Gallipot | 3 | |
| 7 | Surgical blade No. 11/knife holder | 1/1 | |
| 8 | Surgical gloves | 1 pair | |
| 9 | Disposable syringe 5cc | 1 | |
| 10 | Xylocaine 1% | 1ph | |

| | | | |
|----|------------|---|--|
| 11 | Betadine | 1 | |
| 12 | Handyplast | 1 | |
| 13 | Bandage | 1 | |

15.3.14 Implant removal set

| SN | Items | QTY | Remarks |
|----|-----------------------------|-------|---------|
| 1 | Tray with cover | 1 | |
| 2 | Artery forceps for cleaning | 1 | |
| 3 | Sponge holder | 1 | |
| 4 | Curved forceps (small) | 1 | |
| 5 | Knife handle No. 3 | 2 | |
| 6 | Gallipot | 1 | |
| 7 | Surgical Blade No 11 | 1 | |
| 8 | Surgical Gloves | 1 | |
| 9 | Disposable Syringe 5 mm | 1 | |
| 11 | Xylocaine 1% | 1 | |
| 12 | Betadine | 1 | |
| 13 | Handy Plast | 1 | |
| 14 | Bandage roll | 1 pc | |
| 15 | Gauze Piece | 4 pcs | |

15.3.15 IUCD Insertion set

| SN | Items | QTY | Remarks |
|----|--------------------------|-----|---------|
| | Volsellum | 1 | |
| | Uterine sound | 1 | |
| | Bi-valve vaginalspeculum | 1 | |
| | Sponge holder | 1 | |

| | | | |
|--|------------------------|---|--|
| | IUD drive tube | 1 | |
| | Gallipot | 1 | |
| | Kidney tray | 1 | |
| | Suture cutting scissor | 1 | |

15.3.16 IUCD Removal Set

| SN | Items | QTY | Remarks |
|----|--|-----|---------|
| 1 | Pan with cover | 2 | |
| 2 | Gallipot | 3 | |
| 5 | Non-tooth artery forceps (straight) 8 ½” | 1 | |
| 6 | Forceps-IUCD removal, Alligator Jaw 8” | 1 | |
| 7 | Forceps-sponge, Foerster, Straight, 91/2 “ | 3 | |
| 9 | Curettage, small size | 2 | |
| 10 | Kidney dish | 2 | |
| 11 | Scissors, operating, Sims, curved 8: | 6 | |
| 12 | Sound, uterine, Sims 12 ½” | 3 | |
| 13 | Speculum, vaginal, Graves, Small | 1 | |
| 14 | Speculum, vaginal Graves, Medium | 3 | |
| 15 | Speculum, vaginal, Graves, Large | 1 | |

Additional sets

1. Antenatal examination tray
2. Vacuum delivery set with normal vaginal birth set plus; vacuum cup size number 4, 5 and 6; connecting tube; and vacuum machine manual and electric
3. Postnatal Examination tray
4. Newborn examination Set
5. Cord care set
6. Eye care set
7. Baby bath set
8. Peri care set

All sets for basic health skills should be in place. These include

- Mouth care
- Bed making
- Hair wash
- Back care
- Nail care
- Sponge bath
- Catheterization
- Enema set
- IV infusion
- Vital sign
- Medication (oral and parenteral)

16. FOR COMMUNITY AND NUTRITIONAL LAB

16.1 Community bag

| Items | QTY | Remarks |
|---|------------|----------------|
| Digital thermometer | 1 | |
| Measuring tape BP instrument | 1 | |
| Fetoscope/Pinard's | 1 | |
| Hand towel | 1 | |
| Gloves | 4 | |
| Soap and soap case/sanitizer | 1 | |
| Nail brush | 1 | |
| Bag of sterile dressing | 1 | |
| Sanitary pad | 12pieces | |
| Uristick | 1pack | |
| Gauze and cotton swab packet | 1 each | |
| Torch | 1 | |
| Common medication eg. antipyretic, analgesic, antiemetic etc. | 10 each | |

16.2 Others items in community lab

- Jeevan jal packet and sarbottompitho
- Weighing machine (adult and children) Salter machine for infant
- Poster and flip chart on different topics eg. breast feeding, immunization, Kangaroo mother care (KMC), family planning, antenatal care, postnatal care
- Safe delivery kit
- Family planning devices
- Immunization and vaccine samples
- Growth food pyramid, MUAC tape, nutritional assessment tape for pregnant women
- Chart on different sources of nutrition
- Kitchen sets

17. OTHERS FACILITIES

- Facilities for birthing practice in different position
 - Birthing ball
 - Birthing Chair
- Facility for postnatal examination
- Facility antenatal examination
- Kangaroo mother care

18. LISTS OF MEDICINES

- Inj. Oxytocin
- Inj. Ergomertine
- Inj. Magnesium sulphate
- Inj. Calcium gluconate

- Inj. Epidocin andbuscopan
- Inj. Drotin
- Tab. Mesoprostol
- Cap Depin
- Tab. Methaldopa
- Inj. Xylocain
- Inj or tab. Antibiotics
- Tablet iron, folic acid
- Tab Calcium
- Tab albendazole
- Inj. Pethedin
- Inj. Fortwin
- Inj. Dexona
- Inj. Hydrocortizone
- Inj. Vitamin K
- Tab. Vitamin A
- Tab.Salbutamole
- Tab. Cetamol
- Inj. Deriphylin
- Inj. Adrenaline
- Inj. Atropin
- Inj. Sodab carbonate
- Tab. Paracetamole
- Tab. Brufen

19. CURRICULUM GUIDELINES

These guidelines should be followed while developing or reviewing the curriculum. The curriculum should be based on national health and midwifery policy and Standards as per International Confederation of Midwives (ICM) and should have the following:

19.1 Philosophy, Aim, Objectives and Conceptual Framework

- The philosophy of the PCL of Midwifery program should reflect beliefs related to Woman, Maternal and Newborn health, Midwifery, Community and Leadership.
- Aim and objectives should be geared to prepare midwives who can function independently with competencies within the scope of midwifery practice.

19.2 Conceptual Framework:

The curriculum should reflect progressive accumulation of midwifery knowledge and skills across the program. It should reflect progression from simple to complex and normal to abnormal component. It should also reveal progressive acquisition of the knowledge and skills in achieving midwifery competencies as specified by ICM.

19.3 Duration of Program: The program duration should be 3 years.

19.4 Theory and Practical Hours: As per the ICM standards, the PCL in midwifery curriculum should have minimum 4000 hours in 3 years duration. This includes at least 40% theory and 50% in practical and additional 10% should be adjusted either both theory and practical per the need of the country.

19.5 Courses:

- Foundation Courses: These courses include anatomy, physiology, pathology, biochemistry, microbiology and pharmacology
- Midwifery Courses: These courses include foundation of midwifery (communication and counseling); nutrition; sexual and reproductive maternal and newborn health (SRMNH) and family planning; safe motherhood and community health; antenatal care; labor and birthing care; postnatal and newborn care; gynecology; complicated maternal and newborn care.
- Other courses: Courses such as Basic care/health skills (infection prevention), leadership and management, English, Nepali, Social Science, Common medical, surgical and mental health problems, and common newborn problems
- Student enrollment criteria: This has to be in line with the NNC requirement.

19.6 Program Requirement

- Have annual master plan showing study blocks, clinical blocks, vacations and examinations.
- Have clinical rotation plan for students' clinical experience at different clinical settings.
- Students must complete all the course requirements as specified in the curriculum.
- In skill lab each student should have individual log book.
- Students must have 90% attendance in theory courses and 100% in clinical area.

- Students should have 6 weeks' vacation annually including Dasain and Tihar holidays.

19.7 Evaluation Scheme

- Each course will have internal assessment and final examination.
- Theory courses will have 20% marks for internal assessment and 80% marks for final examination.
- Practical courses will have 50% marks in internal assessment and 50% marks in final examination (with submission of log book).
- The student must pass the internal assessment for being eligible to appear in final examination on that course.
- The pass marks in the internal and final examination will be 40% in theory course and 50% in practical courses

19.8 Program Quality Monitoring

Quality monitoring of program should be carried out on regular basis through:

- Inputs from students
- Follow up of the program graduates
- Feedback from midwifery faculties/ preceptors
- Feedback from client and other stakeholder
- Monitoring by regulatory body
- Accreditation of the program by regulatory body

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