

Logistics and Supply Chain Management Update COVID-19 Response

13 Health Cluster Coordination Meeting, 02 July 2020

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Status of laboratory items and pipeline

| Name of source/procurement/stock | RNA extraction Kit (manual) | PCR Reagent | VTM |
|---|-----------------------------|-----------------|------------------|
| Stock at central level | 105,192 | 107,048 | 39,480 |
| Stock at provincial/lab level | 77,216 | 84,660 | 39,409 |
| Stock at hand as of 1 July (Asar 17) | 182,408 | 191,708 | 78,889 |
| Duration stock available for 6000 tests/day | 30.4 days | 32 days | 13.2 days |
| <u>IN PIPELINE</u> | | | |
| MD - under contracted quantity | 500,000 (automated) | - | 155,000 |
| Duration stock + pipeline available for 6000 tests/day | 114 days | 32 days | 39 days |
| Korea | 20,000 | 20,000 | |
| UNICEF | 18,000 | 18,000 | |
| Under WB (through UNICEF) | 100,000 | 100,000 | |
| Through World Bank (Proposed) | 200,000 | 200,000 | |
| Duration stock + pipeline available for 6000 tests/day | 170 days* | 88 days* | 39 days* |

*Note: the calculation is based on average capacity of tests per day. As capacity increases, duration items available will decrease

Laboratory items – further information

- In process to procure 7 automated RNA extraction machine
 - Automated RNA extraction machine will significantly decrease time taken (by $\frac{3}{4}$) for RNA extraction. Therefore, tests output will increase.
 - 500,000 RNA extraction kits to be received along with the automated machines
 - Therefore, VTM and PCR reagents need to be managed (currently – gap) to match the automated RNA extraction kits (~ 500,000)
- Please note:
 - The need for testing as well as lab capacity is increasing day-by-day. Even though pipeline/procurement plan shows adequate quantity (based on capacity) – partners are requested to support laboratory items as far as possible.
 - Based on expected number of new cases of 181,795 between Asar and Ashwin (4 months); based on 12% positivity rate – 1,514,958 tests need to be done between Asar and Ashwin.
 - As far as possible, laboratory items should be complete set: VTM + RNA extraction kit + PCR reagent.
 - Please confirm compatibility before providing lab items support.

PPE and related items: requirement, stock, gap and ongoing procurement plan (this is not for general service)

| Items | TOTAL Requirement (upto end Ashwin) | STOCK available | GAP | To be procured/managed |
|-------------------------------------|-------------------------------------|-----------------|------------|------------------------|
| N95, equivalent, or higher FFR mask | 512,267 | 224,890 | 287,377 | 287,377 |
| Surgical Mask | 14,600,292 | 3,505,275 | 11,095,017 | 11,095,017 |
| Gloves (pair) | 9,103,436 | 529,421 | 8,574,015 | 8,574,015 |
| HD gloves (pair) | 131,925 | 4,335 | 127,590 | 127,590 |
| Goggles | 927,147 | 113,799 | 813,348 | 813,348 |
| Face shield/visor | 927,147 | 57,758 | 869,389 | 869,389 |
| Gown | 1,805,217 | 829,523 | 975,694 | 975,694 |
| Gown or apron (Reusable) | 131,925 | 1,981 | 129,944 | 129,944 |
| Caps | 2,282,357 | 36,077 | 2,246,280 | 2,246,280 |

**Information about procurement by provinces, hospitals and palika not available at central level.
These procurement stock at hand may lower the gap**

PPE and related items: requirement, stock, gap and ongoing procurement plan (this is not for general service)

| Items | TOTAL Requirement (upto end Ashwin) | STOCK available | GAP | To be procured /managed |
|-----------------------------------|-------------------------------------|-----------------|-----------|-------------------------|
| Hand sanitizer (500 ml) | 485,280 | 11,661 | 473,619 | 473,619 |
| Hand sanitizer (50 ml) | 1,000,000 | - | 1,000,000 | 1,000,000 |
| Scrub set | 288,882 | - | 288,882 | 288,882 |
| Shoe cover | 288,882 | 331,463 | (42,581) | |
| Disinfectant NaDCC or others (KG) | 67,850 | 4,708 | 63,142 | 63,142 |
| Gum boots (reusable) | 42,585 | 39,434 | 3,151 | 3,151 |
| Bio hazard bag | 60,970 | 519,226 | (458,256) | |

**Information about procurement by provinces, hospitals and palika not available at central level.
These procurement stock at hand may lower the gap**

Medicines and ICU consumables

- **Medicines for severe and critical cases**

- 102 medicines were prioritized *for severe and critical cases* (**for 1000 cases**; 20% of 5000)
- Invitation to bid was opened previously for 73 medicines (rest available in stock)
- 54 medicines already received
- Bid was not received for 19. MD is discussing for further procurement of these remaining medicines.
- These medicines will be distributed to designated hospitals treating severe and critical cases
- Further, procurement planning is being done for increased number of critical and severe cases (for upto end Ashwin/mid-October)

- **ICU consumables for critical cases**

- 70 prioritized items *for critical cases* for 14 days need for each case (**for 750 cases**; 10% +buffer of 5000)
- Currently, this is in **pipeline** and agreement being done with the supplier.
- These ICU consumables will be distributed to designated hospitals treating critical cases
- Further, procurement planning is being done for increased number of critical cases (for upto end Ashwin/mid-October)
- Similarly, requirement and forecasting for ICU items (non-consumables), cold chain equipment, WASH items, HCWM items, etc., are being done. All need forecasting will be shared with partners.

Designated hospitals should also explore availability and procurement of medicines and ICU consumables as per requirement

PPE items distributed (Jestha)

| S.No. | ITEMS DISTRIBUTED (FROM DoHS) | No. 1 Province | No. 2 Province | Bagmati Province | Gandaki Province | No. 5 Province | Karnali Province | Sudur Paschim Province | Total Distribution |
|-------|-----------------------------------|-------------------|-------------------|---------------------|---------------------|-------------------|---------------------|------------------------------|-----------------------|
| 1 | N95 or Equivalent Mask (Pcs) | 1,800 | 1,800 | 1,200 | 900 | 2,700 | 1,800 | 900 | 11,100 |
| 2 | Surgical Mask (Pcs) | 114,000 | 86,000 | 52,000 | 89,000 | 139,000 | 82,000 | 77,500 | 639,500 |
| 3 | Gloves (Pair) | 18,500 | 12,000 | 5,620 | 14,500 | 23,000 | 13,500 | 12,500 | 99,620 |
| 4 | Heavy duty gloves (pair) | 440 | 280 | 120 | 360 | 510 | 280 | 260 | 2,250 |
| 5 | Safety Gum Boots, Reusable (Pair) | 672 | 456 | 70 | 480 | 696 | 336 | 360 | 3,070 |
| 6 | Visor (Pcs) | 370 | 430 | 50 | 350 | 795 | 130 | 305 | 2,430 |
| 7 | Goggles (Pcs) | 2,040 | 1,280 | 430 | 1,650 | 2,120 | 1,280 | 1,120 | 9,920 |
| 8 | Gown (Pcs) | 4,920 | 3,400 | 1,500 | 4,140 | 6,350 | 3,400 | 2,800 | 26,510 |
| 9 | Bouffant Cap (Pcs) | 2,300 | 1,600 | 500 | 1,800 | 2,800 | 1,600 | 1,400 | 12,000 |
| 10 | Sanitizer (500 ml) | 1,012 | 852 | 198 | 846 | 1,162 | 588 | 678 | 5,336 |
| 11 | Body bag | 150 | 150 | 100 | 100 | 150 | 150 | 100 | 900 |
| 12 | Shoe Cover (Pair) | 800 | 800 | 600 | 650 | 1,600 | 800 | 500 | 5,750 |

For quarantine, PoE, health facilities, CICT, COVID clinics, and Level 1, 2, 3 Hospitals, PHLMC

PPE items distributed (end Jestha/Asar)

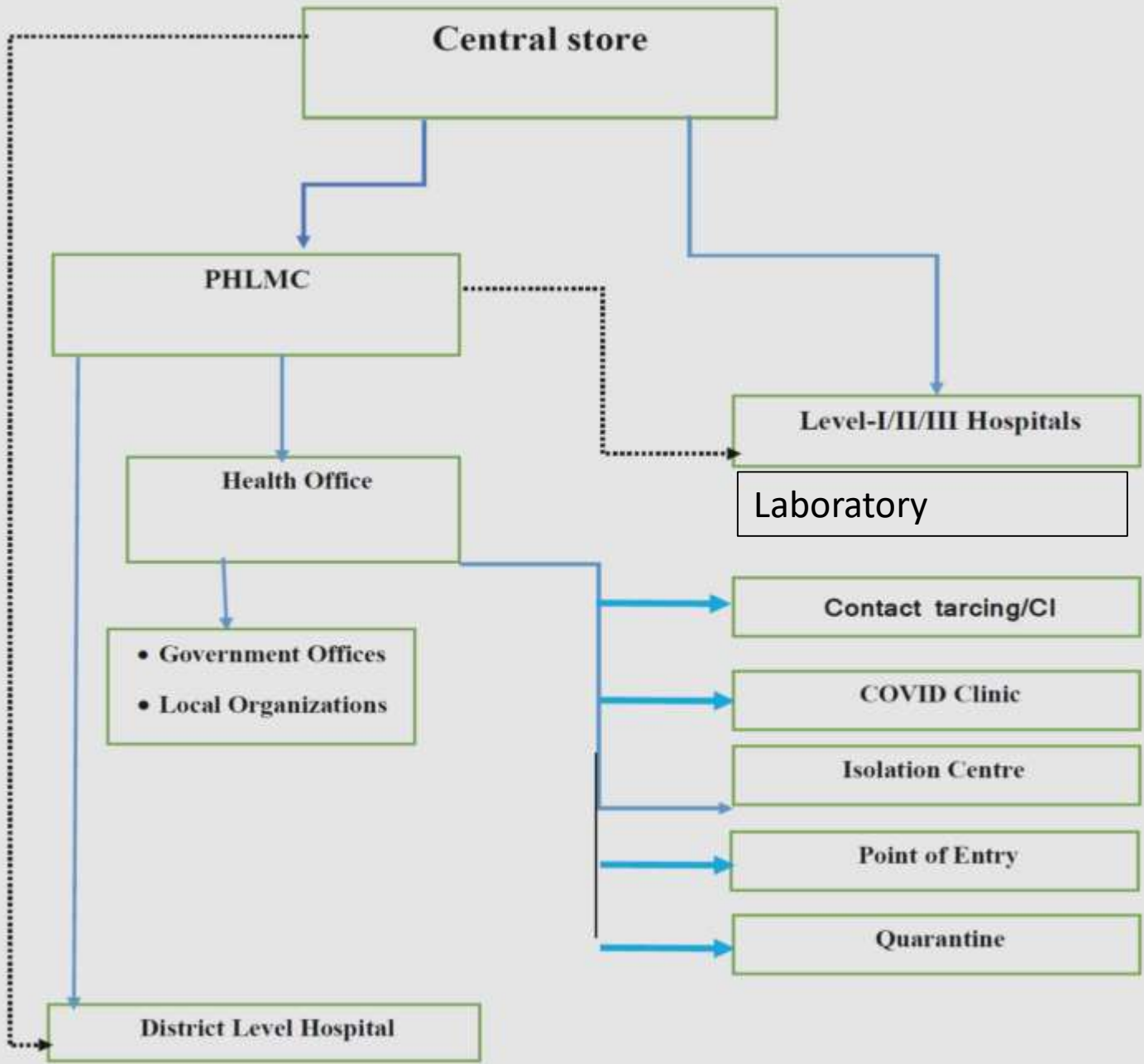
| S.No. | ITEMS (FROM G2G) | No. 1 Province | No. 2 Province | Bagmati Province | Gandaki Province | No. 5 Province | Karnali Province | Sudur Paschim Province | Total Distribution |
|-------|--------------------------------------|-------------------|-------------------|---------------------|---------------------|-------------------|---------------------|------------------------------|-----------------------|
| 1 | N95 or Equivalent Mask (Pcs) | 3,125 | 1,270 | 4,710 | 1,390 | 2,515 | 1,450 | 1,210 | 15,670 |
| 2 | Surgical Mask (Pcs) | 260,000 | 172,100 | 214,500 | 201,300 | 337,800 | 217,900 | 183,000 | 1,586,600 |
| 3 | Gloves (Pair) | 156,200 | 114,200 | 150,600 | 114,800 | 186,000 | 120,200 | 103,800 | 945,800 |
| 4 | Safety Gum Boots, Reusable (Pair) | 478 | 241 | 356 | 380 | 695 | 457 | 345 | 2,952 |
| 5 | IR Thermometer (Pcs) | 132 | 127 | 134 | 93 | 130 | 80 | 86 | 782 |
| 6 | Visor (Pcs) | 3,312 | 2,895 | 4,229 | 1,852 | 2,699 | 1,954 | 1,767 | 18,708 |
| 7 | Goggles (Pcs) | 9,738 | 13,405 | 14,765 | 8,620 | 11,760 | 7,690 | 8,215 | 74,193 |
| 8 | Polycarbonate Goggles (Pcs) | 5,680 | 2,240 | 4,866 | 1,408 | 2,201 | 1,956 | 1,358 | 19,709 |
| 9 | Gown (Pcs) | 26,765 | 26,000 | 30,875 | 15,905 | 22,655 | 15,130 | 15,710 | 153,040 |
| 10 | Disposable Protective Clothing (Pcs) | 24,925 | 23,425 | 28,900 | 14,850 | 20,675 | 14,200 | 14,250 | 141,225 |
| 11 | Bouffant Cap (Pcs) | 20,300 | 18,760 | 24,760 | 12,140 | 16,900 | 11,300 | 11,600 | 115,760 |
| 12 | Biohazard Bag (Pcs) | 708 | 408 | 594 | 597 | 989 | 683 | 545 | 4,524 |
| 13 | Shoe Cover (Pair) | 2,600 | 1,060 | 5,460 | 520 | 1,800 | 1,800 | 500 | 13,740 |

For quarantine, PoE, health facilities, CICT, COVID clinics, and Level 1, 2, 3 Hospitals, PHLMC

Note: Other 37 items (case management, waste management items) are being planned for distribution

PPE items distribution

- Over the period, direct supply to highly affected districts have also been done (figures not included in the previous tables)
- **Next supply planned (Asar/Shrwan):**
 - Within Asar
 - In Shrawan planned after immediate procurement
- Please note: procurement and supply chain management guideline applicable to all levels has been approved by MoHP.



Distribution /supply chain management flow chart

Main issues/challenges

- Recording and reporting in eLMIS remains an issue
 - All levels and hospitals are requested to use eLMIS.
 - If eLMIS is not yet implemented, data on recording/reporting should be provided to next higher level.
- Information about procurement or items received directly (aid) by provinces, hospitals and palika are not available at central level. These information should be provided to central level, and in eLMIS.
- One door system should be followed for donation of items – including providing information for items donated at the sub-national level.

- We thank all partners for providing lab diagnostic kits, PPE items and other commodities.
- These support are highly appreciated – thank you very much

Thank you