The following is a list of items that should be included in WASH in school kit according the identified needs.

The kit will be topped up with [Kit 2: Essential COVID-19 WASH in school](https://savethechildren1.sharepoint.com/:w:/r/what/humanitarian/SCDocuments/Global%20-%20COVID-19/Global/Technical%20resources/WASH/01_Essential/Global/Schools/2_covid_19_school_kit_v1.docx?d=wd7178cf87cc64a3c90d1ddacb863af2a&csf=1&web=1&e=aEMmfl) to respond to COVID-19 pandemic.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Item** | **Specification** | **Quantity** | **Unit** | **Unit cost (USD)** | **Refilling[[1]](#footnote-2)** | **Comments** |
| **Drinking Water management** | | | | | | | |
| 1 | Drum with tap and support | 100 litres HDPE drum with lid and tap (with 2 washers) and support to raise the drum (if needed) | 1 per class | set |  |  | The drum will be used to store drinking water in each class. |
| 2 | Aquatabs for water turbidity <20 NTU **or** | Aquatabs 167 mg tabs **or** | 450 tabs per month per 100 persons | tab |  | Monthly | 1 tab treats 20 litres of water.  Quantities are calculated based on 3 litres per person per day. |
| Aquatabs 1.67 g tabs | 45 tabs per month per 100 persons | tab |  | Monthly | 1 tab treats 200 litres of water (200 litres or bigger water container will be needed to use this tabs).  Quantities are calculated based on 3 litres per person per day. |
| P&G purification sachet (or similar coagulant and disinfection product) for water turbidity >20 NTU | 4 gr sachet containing chlorine disinfectant (calcium hypochlorite) for killing bacteria and an iron salt coagulant (ferric sulfate)  [product specifications](https://globalreach.med.umich.edu/sites/default/files/files/Final%20Handbook%20for%20Use%20in%20Emergency%20Relief.pdf)  [supplier](https://www.butylproducts.co.uk/product/p-g-water-purifying-granules/) | 900 sachets per month per 100 persons | sachet |  | Monthly | 1 sachet treats 10 litres of water.  Quantities are calculated based on 3 litres per person per day. If P&G is used we recommend to distribute to each class a set of 2 plastic buckets, 1 long wooden/plastic stirrer/stick and 1 m2 of cotton cloth for filtering water, see below. |
| 3 | Bucket | 20 litres plastic bucket with lid and handle | 2 per class | pcs |  | Every 6 months | To use if P&G is needed, for treating turbid water. |
| 4 | Stick for stirring | Wooden or plastic stirrer/stick (non-metallic) long enough to stir the P&G sachet content inside the buckets | 1 per class | pcs |  | Every 3 months | To use if P&G is needed, for treating turbid water |
| 5 | 1 m2 cotton cloth | Will be used to filter coagulated flocs inside water after use of P&G | 1 per class | pcs |  | Every 3 months | To use if P&G is needed, for turbid water |
| 6 | Flyer with instructions for water treatment chemicals use | A4 flyer | 1 | pcs |  | Every distribution of chemicals | Flyer needs to be adapted based on the specific water treatment product distributes. Refer to examples for [aquatabs 167 mg](http://hip.fhi360.org/file/20675/c.%20Aquatab%20Instructions.pdf) and [P&G](https://www.pg.com/pghsi/safewater/pdf/PG_POW_4_Language_Usage_Instructions.pdf). |
| 7 | Cup with handle **or** reusable drinking water bottle | 250 ml plastic cup with handle **or**  1 litre drinking water bottle with lid  Both food grade PP material (for young children, smaller bottle should be considered easier to be handled: 500 or 600 ml) | 1 per user | pcs |  |  | Students, teachers and non- teaching staff are advised to use reusable drinking water bottles and avoid sharing cups or glasses. These should be cleaned with soap and water at the end of each day at household level by parents or guardians. |
| **Items and consumable for Hand Washing** | | | | | | | |
| 8 | Soap for handwashing | Liquid soap - washing hands and body; contains minimum of 65% of fatty acid; contains maximum 0.5% NaOH (Sodium Hydroxide); minimum 2 years shelf life.  Particularly for shared facility liquid soap dispenser may be preferred to solid soap as not shared and less easy to be stolen **or** | 10.5 | Lt/100 person/month |  | Monthly | Liquid soap quantity is calculated on a rate of 0,7 ml per use, 5 handwashing per day per person have been considered.  In case of budget constraints, [soapy water](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6090367/) can be produced (30 gr of detergent in 1,5 litres of water). |
| Solid soap - washing hands and body; contains minimum of 65% of fatty acid; contains maximum 0.5% NaOH (Sodium Hydroxide); minimum 2 years shelf life | 10.5 | Kg/100 person/month |  | Monthly | Calculated as above. As alternative to liquid soap and soapy water, solid soap may be distributed. |
| 9 | Hand washing post | In case of absence of durable hand washing facilities, 200 litres drum with pedal for water and soap dispenser may be provided. See the [video](https://www.facebook.com/washemapp/videos/509314419752309/) for specifications. | 1 per latrine block[[2]](#footnote-3), 1 at entrance, 1 in dining areas | pcs |  |  | For small facilities or CFS, cheaper [tippy tap](https://vimeo.com/401396726?fbclid=IwAR1lT0GvmYAIgO_wY6q5bSXV42qNyKGlr5Vb2LaLOAFW59EzdWwK5071L_s) options could be considered. For handwashing facilities consider also to build a grease trap (refer to page 415-416-417 of [MSF public health engineering](https://medicalguidelines.msf.org/download/attachments/30544471/public_health_en.pdf?api=v2)) and/or a [soak away pit](http://www.tippytap.org/build-a-tippy-tap-manual) (refer also to page 422-423 of [MSF public health engineering](https://medicalguidelines.msf.org/download/attachments/30544471/public_health_en.pdf?api=v2)) for drainage of waste water if this can’t be disposed in latrine pits/septic tanks. |
| **Cleaning tools and consumables** | | | | | | | |
| 10 | Detergent | Laundry powder | 3 | Kg/100 person |  | Monthly | Used for cleaning soiled surfaces. |
| 11 | Broom | Preferred model to be agreed with users and according market availability | 1 | pcs/ 3 classrooms |  | Every 3 months |  |
| 12 | Mops (stick) |  | 1 | pcs/ 3 classrooms |  | Every 3 months | The item may not be appropriated for classes with compacted soil floor, in this case an additional local broom may be preferred. |
| 13 | Cloth for mops | Fabric cloth | 10 | pcs/ 3 classrooms |  | Every 3 months | The item may not be appropriated for classes with compacted soil floor. |
| 14 | Bucket | 20 litres plastic bucket with lid and handle (according users preference, specifically designed “2 buckets” mop model can be purchase, in this case only 1 item will be needed) | 2 | pcs/ 3 classrooms |  | Every 6 months | For cleaning soiled surfaces (1 bucket for soapy water and 1 bucket for rinse solution). Refer to cleaning paragraph of [Hygiene COVID-19](https://savethechildren1.sharepoint.com/:w:/r/what/humanitarian/SCDocuments/Global%20-%20COVID-19/Global/Technical%20resources/WASH/01_Essential/Global/Schools/3_covid_19_returning_to_school_kit_v1.docx?d=w9d56c17d49ac4464b08d06cd3dbb71c1&csf=1&web=1&e=m1sRIU) guidance for cleaning instruction and “2 bucket method”. |
| 15 | Cloths for other surfaces cleaning | Fabric cloth | 10 | pcs/ 3 classrooms |  | Every 3 months | To clean other surfaces (desks, doors handles, taps…). |
| **Tools for cleaning toilets[[3]](#footnote-4)** | | | | | | | |
| 16 | Cloth for mops | Fabric cloths | 10 per  toilet block | pcs |  | Every 3 months | Dedicated to toilet cleaning.  The item may not be appropriated for latrines with no cemented/plastic slab and just compacted soil. |
| 17 | Bucket | 20 litres plastic bucket with lid and handle (according users preference, specifically designed “2 buckets” mop model can be purchase, in this case only 1 item will be needed) | 2 per toilet block | pcs |  | Every 6 months | Dedicated for toilets. For cleaning soiled surfaces (1 bucket for soapy water and 1 bucket for rinse solution). For latrines with no cemented/plastic slab and just compacted soil 1 bucket only could be recommended to clean the toilet brush and latrine hole. |
| 18 | Toilet brush | Plastic scrubbing brush with handle | 2 per toilet block | pcs |  | Every 3 months | Dedicated to toilet cleaning. |
| **PPE for cleaners** | | | | | | | |
| 19 | Heavy duty rubber gloves | Domestic reusable tick rubber gloves | 2 per cleaner | pair |  | Every 3 months | At the end of each cleaning session, after removal, gloves should be washed with soap and water, then rinsed with clean water and let dry fully at sunlight before reuse. |
| 20 | Boots | Rubber boots | 1 per cleaner and incinerator charged staff | pair |  | Every 6 months | Possibly at the end of each cleaning session, after removal, boots should be washed with soap and water, then rinsed with clean water and let dry fully at sunlight. |
| 21 | Heavy duty leather gloves | Domestic reusable tick leather gloves | 1 per incinerator charged staff | pair |  | Every 3 months | To be used for staff doing waste collection and using incinerator. At the end of each cleaning session, after removal, gloves should be washed with soap and water, then rinsed with clean water and let dry fully at sunlight before reuse. |
| 22 | Cleaning suit | Reusable cleaning suit | 2 per incinerator charged staff | pcs |  | Every 6 months | To be used for staff doing waste collection and using incinerator. |
| 23 | High filtration or respiratory protection mask | Minimum N95 respirator according to FDA Class II, under 21 CFR 878.4040, and CDC NIOSH.  Good breathability with design that does not collapse against the mouth (e.g. duckbill, cup-shaped). | 1 per incinerator charged staff per day | pcs |  | Daily (if masks used are disposable) | A respiratory mask can be used by the same person for a maximum of 12 hours. A damaged, wet or dirty mask should be replaced. |
| 24 | Eye protection | Plastic medical goggles or facial shield | 1 per incinerator charged staff | pcs |  | Every 6 months | At the end of each cleaning session, after removal, eyes protection should be washed with soap and water, then rinsed with clean water and let dry fully at sunlight. |
| 25 | Soap for cleaners’ handwashing | Bar of 125 g soap - washing hands and body; contains minimum of 65% of fatty acid; contains maximum 0.5% NaOH (Sodium Hydroxide); minimum 2 years shelf life | 2 per cleaner and incinerator charged staff | pcs |  | Monthly | Soap are intended to be used by cleaners to wash their hands/body at the end of each working day. |
| **Solid waste management** | | | | | | | |
| 26 | 20 lt waste bin | with lid and pedal for opening | See comments | pcs |  |  | 1 bin in each class and office, 1 bin in each female toilet cubicle (for MHM), 1 or more bins in yard and lunch areas. |
| 27 | 200 lt waste bin | with lid and paddle | See comments | pcs |  |  | 1 per 500 students if not segregated waste. In case of budget constraint, old oil drum may be used. |
| 28 | 60 lt light bin bags | For light waste collection and off-site disposal | 1 per 100 persons | pcs |  | Daily | To collect waste on a daily base if a collection and disposal solid waste service is available.  According cleaning practices and daily waste produced, smaller bags for 20 lt waste bin may be added. |
| 29 | 100 lt heavy duty bags | To be reused for waste collection and on-site disposal | 1 per 100 persons | pcs |  | Every 3 months | To collect waste and dispose those on site (if incinerator is available at school level). |
| 30 | Emergency incinerator drum | 200 lt metallic drum. Refer to page 621-622, 623 of [MSF public health engineering](https://medicalguidelines.msf.org/download/attachments/30544471/public_health_en.pdf?api=v2) for technical specifications and operational guidance | 1 every 200 persons | pcs |  |  | In case of absent waste collection and disposal service. |
| 31 | Kerosene |  | 10 | lt |  | Monthly | In case of absent waste collection and disposal service. |
| **MHM** | | | | | | | |
| 32 | Menstrual pads (see 3 alternatives according female preference) | Absorbent cotton material | 4 per each menstruating age female | m2 |  | Every year |  |
| Reusable sanitary pad (e.g [AFRI-pads](https://www.afripads.com/)) | 6 per each menstruating age female | pcs |  | Every year |  |
| Disposable pads | 15 per each menstruating age female | pcs |  | Monthly |  |
| 33 | Flexible plastic case/bag with sealed zip | For storage of reusable sanitary pads/underwear. Bag should be not transparent, washable and leak proof. | 1 per each menstruating age female | pcs |  | Every year | The case could be already included in reusable sanitary pad kit (supply chain should verify).  The case should be included in all MHM kits for both reusable or disposable pads use. |
| 34 | Extra body soap | Solid soap - washing hands and body; contains minimum of 65% of fatty acid; contains maximum 0.5% NaOH (Sodium Hydroxide); minimum 2 years shelf life | 250 per each menstruating age female | gr |  | Monthly |  |
| 35 | Underwear | Cotton dark coloured underwear | 6 per each menstruating age female | pcs |  | Every year |  |
| 36 | 3 litres container with lid | Dedicated (non-transparent, dark coloured) container with lid for soaking cloths/underwear/pads and for personal hygiene | 1 per each menstruating age female | pcs |  |  |  |
| 37 | Rope and pegs for drying |  | 1 per each menstruating age female | set |  |  |  |
| 38 | Flyer with instructions for MHM kit use | A4 flyer | 1 per each menstruating age female | pcs |  |  |  |
| **IEC WASH material** | | | | | | | |
| 39 | A4 IEC sticker | Hygiene message - safe chain water | See comments | pcs |  |  | To be placed on each drinking water drum/post to remind about safe storage and manipulation of drinking water. |
| 40 | A4 IEC sticker | Hand Washing messages | See comments | pcs |  |  | To be placed on each hand washing station to remind hand washing key moments, use of soap and correct handwashing practice. |
| 41 | A4 IEC sticker | Proper use of latrine | See comments | pcs |  |  | To be placed on each latrine door to remind importance of using toilets and maintain those clean. |
| 42 | A4 IEC sticker | Waste management | See comments | pcs |  |  | To be placed on each latrine door and close to each waste bin. |
| 43 | A4 IEC sticker | * 1 A4 for cleaning schedule and SOP. * 1 A4 sticker about safe use of emergency incinerator (if provided): PPE to wear and operations (refer to pages 621 and 637 of [MSF public health engineering](https://medicalguidelines.msf.org/download/attachments/30544471/public_health_en.pdf?api=v2)). | Set of 2 stickers | set |  |  | To be placed in a space dedicated to cleaner staff or where cleaning material is stored. |
|  | **Total Cost** |  |  |  | **0** |  |  |

1. Refilling frequency for non-consumable items should be adjusted depending on quality of product available in the market [↑](#footnote-ref-2)
2. Handwashing should be located within 5 meters fromthe toilets block [↑](#footnote-ref-3)
3. A set of cleaning tools should be dedicated to toilets to be used only in those highly contaminated services and not been used for cleaning other areas. [↑](#footnote-ref-4)