

LATRINES IMPLEMENTATION WASH NEPAL

Guidelines

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To: ACF pool desc Nepal, mission

PROPOSAL A1D ECHO

- AB10 budget line: Construction of latrines (HHs & communal) with 7000 Euros.
- Number of beneficiaries to target: 1440 persons.
- Coverage in safe sanitation infrastructures will reach in average of 80% in the intervention communities, but if possible try to reach 100% coverage of feasible applicants.
- Schools and health centres will be considered as priority targets for latrines construction/rehabilitation.
- Pour/flush design is solid and adapted as people traditionally used water for anal cleansing.
- Improve replicability through the use of local material and low-cost designs.
- Cover as many households as possible where a GFS is constructed or rehabilitated by ACF.
- Mass meeting is organised with the community members for programme presentation, latrines requirements, different designs & latrine sharing issue.
- Implementation plan taking into account constraints & wishes of the community.
- Hygiene promotion awareness campaign with FCHV & WUC.
- Each household will sign a MOU.
- Latrine pre construction training by sub overseer/overseer.

BENEFICIARIES SELECTION

It was decided to concentrate latrines in the communities where ACF was constructed or rehabilitated a GFS so that beneficiaries would receive the full package of safe drinking water and sanitation. We plan to target some communities where ACF built a GFS during the previous ECHO programme (A1C) as listed below.

Village	District	VDC	Ward	Beneficiaries (nb of persons)	Households beneficiaries	GFS	Material to pick up in store
Taza	Mugu	Photu	6	143	20	1 GFS constructed in 03-04/07	Nehra (1h)
Rati	Humla	Melchham	9	52	10	1 GFS constructed in 03-05/07	Nehra (1,5 day)
Natharpu	Mugu	Natharpu	6	258	46	1 GFS rehabilitated in 03-05/07	Golphagad (1,5 day)
Jamaldhara	Mugu	Natharpu	1, 2, 3, 4	558	81	1 GFS rehabilitated in 03-05/07	Golphagad (1,5 day)
Nehra	Mugu	Photu	7, 8, 9	434	65	1 GFS constructed in 04-06/07	Nehra (on site)

A total of 222 households (1445 persons) can benefited from this programme. Focus group discussions were done in each community in June 2007 in order to present the programme and to evaluate their interest. It was globally quite positive. In parallel for communal latrines, needs of schools and health centres will have to be assess in September in order to build the remaining number of latrines. This also has to be done in coordination with the DDC authorities.

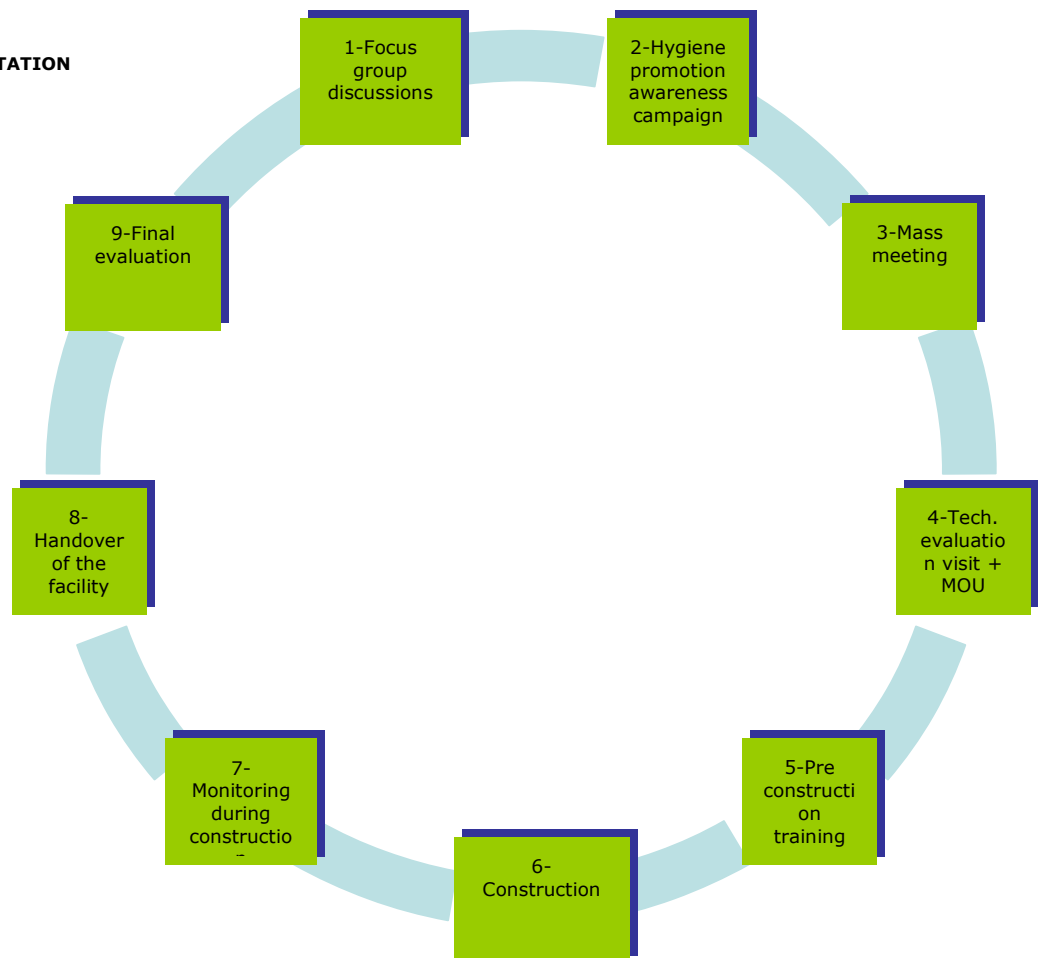
A WASH trainee (15/09 to 15/12) will specifically make a study on "Hard and soft components of a relevant sanitation approach for Mugu/Humla districts". As we want to take into account the recommendations of this study during the A1D, we will implement the programme in two phases:

WASH Programme
Mugu & Humla districts, Nepal mission

- First phase from September to December 2007: design and social implementation according to UNICEF/CARE/NEWAH feedback.
- Second phase from January to March 2008: with the input of the ACF sanitation study.

STEPS OF IMPLEMENTATION

1. PCM



2. FOCUS GROUP DISCUSSION

The objectives of the focus group discussions (discussions on a specific topic carried out with people from similar backgrounds; homogeneous groups of 6 to 10 people are chosen because mixing age, gender or social levels may inhibit some people, especially women, from expressing their views) are:

- To finalize the method of implementation of the project (see the questions to rise during the meeting in file [Focus group discussions latrine]).
- To finalize the technical characteristics of sanitary infrastructure (standard latrine designs, water use, maintenance...) by presenting the 4 kinds of design proposed and how much will be ACF participation and community participation...
- To finalize the location of the latrines (outside the house, orientation of the door, indication for women...).
- To understand the motivation of beneficiaries and the possibility to cover all the families for each village.

3. HYGIENE PROMOTION AWARENESS CAMPAIGN/SENSITISATION

The software part of the programme will start at least one month before any technical implementation. Hygiene awareness sessions focusing on safe sanitation practices and the link with the global health of the villagers have to be carried out by hygiene promoters in order to ensure a full participation of the villagers (objective: 100% coverage, at least 80%).

WASH Programme
Mugu & Humla districts, Nepal mission

The number of sessions will determine according to the size of the community as all the households should receive sanitation awareness and also the difficulty to mobilize all the families. At least 3 sessions are required for each community targeted.

Ignition PRA tools developed by NEWAH can be used in order to help community members analyse their sanitation behaviour on their own and make them realise its importance (e.g. shameful walk, defecation map, faeces calculation, faeces mobility). See the report of NEWAH on this subject for more details.

4. MASS MEETING

After the hygiene awareness campaign, one mass meeting will be carried out to by social mobilizers/sub overseers/overseer under the supervision of ACF/KIRDARC supervisors:

- Recapitulative of aim of latrine programme focusing on hygiene and health related issues.
- Present the project to all the community members and the implementation protocol in detail
- Presentation of the pour-flush designs (off set and on top).
- Explanation of the programme step by step:
 - ✓ Full coverage asks by ACF/KIRDARC so community mobilization and social inclusion required (WUC participation & empowerment on this issue). The community should find a solution to support the poorest families with no land access.
 - ✓ No selection of some families. All the families should participate in order to launch the programme otherwise ACF will work in another village.
 - ✓ ACF contribution: cement, iron bars, binding wires, water-seal pan, drainage/aeration pipe, 110 mm to 75 mm reducer, nails and after completion of the latrine 1 latrine maintenance kit (water bucket, metallic handle cup, soap), technical training and tool kit for construction. See Annex 1 for the detail list of material; Annex 2 for the tool kit; Annex 3 for the maintenance kit.
 - ✓ Some tool kits are delivered to the WUC that will be in charge to lend it to latrine constructor (shovels, picks, plastic buckets...) and to return back to ACF after completion of the work.
 - ✓ Family contribution: free contribution for digging the pit, collection of local material (stones, sand, aggregates, wood), construction of the foundation, superstructure and slab. Portage of material from Golphagad or Nehra store for free.
 - ✓ Technical evaluation visit by overseer/sub overseer in order to finalize the location and the design (off set or on top) of the latrine with the family.
 - ✓ Pre construction training will be given by overseer/sub overseer by groups of 10 persons maximum.
 - ✓ Planning of intervention to finalize according to the community constraints (2 months in total) but for project constraints, the first round of construction should start in October/November.
 - ✓ After the pre construction training, the family will have 3 weeks for gathering local material, digging the pit and elevate walls. After this period, inspection of the first phase of works will be made. They are given a voucher with an expiry date of 1 week to pick up material in Nehra or Golphagad store (for free). After the expiry date of the voucher beneficiary has 3 weeks to complete construction of his latrine. After the 3 weeks latrine inspection will be made and if the latrine is complete he will receive another voucher valid for 1 week to pick up the latrine maintenance kit (water bucket, metallic handle cup and soap) from Nehra/Golphagad. At any point if the families don't comply with the deadlines given they are removed from the list of beneficiaries.
 - ✓ Each family will sign a MOU where they agree on all conditions.

5. TECHNICAL EVALUATION VISIT & MEMORANDUM OF UNDERSTANDING

The sub overseer/overseer will be responsible to finalize the technical feasibility for each household. According to the space constraints and preference, the design will be finalized (pour-flush latrines set on top of the pit for space saving vs. pour-flush latrines with an offset pit). Observations about location for latrine will be considered:

- Distance from the nearest house?
- Water sources nearby (risk of pollution)?
- Land is suitable for construction?
- Latrine pit is not going to contaminate water points/houses?
- Pit latrines should be at least 30 m from any groundwater source.

- Drainage or spillage from pit should not run towards any surface water source or shallow groundwater source.

After the technical evaluation visit, each family will sign the MOU before the start of the pre construction training.

6. PRE CONSTRUCTION TRAINING

- All beneficiaries are trained to the concept, construction and maintenance of latrine during one day training by sub overseer/overseer. A maximum of 10 persons will follow the training that means that the number of training will be determined according to the total number of beneficiaries.
- Some tool kits are delivered to the WUC that will be in charge to lend it to latrine constructor (shovels, picks, plastic buckets...). See Annex 2 for the composition of one tool kit per 10 latrines.

7. CONSTRUCTION

- The beneficiaries will have 3 weeks after the pre construction training for gathering local material, digging pit and elevate walls, with WUC tools.
- After this period, inspection of the first phase of works will be made.
- If the first phase works is not completed within 3 weeks, ACF won't provide them construction material. But after analysis of the situation, a mutual agreement between beneficiary and ACF/KIRDARC can be reach in order to prolong the deadline according to his difficulties.
- As soon as the family has completed the first phase of construction, they are given a voucher with an expiry date of 1 week to pick up material in Nehra/Golphagad store for free. One copy of the voucher is kept by ACF/KIRDARC for signing as materials are picked up; one copy is given to the beneficiary so that he knows the expiry date and the material he needs to pick up. They will be given 1 week to pick up the materials.
- Beneficiary should be informed that after the expiry date of the voucher he has 3 weeks to complete construction of his latrine. After the 3 weeks are up, latrine inspection will be made and if the latrine is complete he will receive another voucher valid for 1 week to pick up the latrine maintenance kit from Nehra/Golphagad.
- If the family is not able to complete the second phase of construction, the situation will be analyzed and time extension up to 1 week will be possible.
- At any point if the families don't comply with the deadlines given they are removed from the list of beneficiaries.
- The superstructure should not be necessary in stone but in wood or bamboo (any local material easy to find and cheap).
- The pit/foundation should not necessary be reinforced down to top by stone, depending on soil structure. 2 types of pit regarding soil are possible. If the soil is stable & there is no risk of pollution: latrine with unlined pit. If the soil is non-stabilised & there is no risk of pollution: latrine with a permeable lining.
- Depending on land availability families will have to choose between 2 kinds of design:

WET LATRINES

Pour-flush latrines set on top of the pit (space saving)

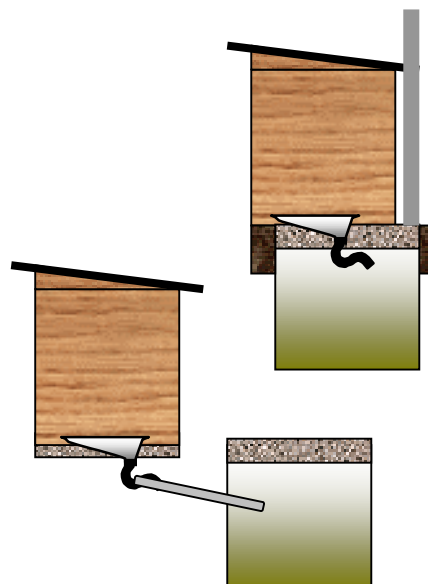
- ✓ Binding wire 0.2 kg
- ✓ 3 kg of 6 mm diameter iron bars
- ✓ Water-seal pan (latrine pan)
- ✓ 1 bag of cement for reinforced-concrete slab
- ✓ 2,5 m of 110 mm HDPE pipe, dark coloured (ventilation pipe)

For efficiency:

- ✓ Require water daily for cleaning the pan & the seal

Pour-flush latrines with an offset pit

- ✓ Binding wire 0.2 kg
- ✓ 3 kg of 6 mm diameter iron bars

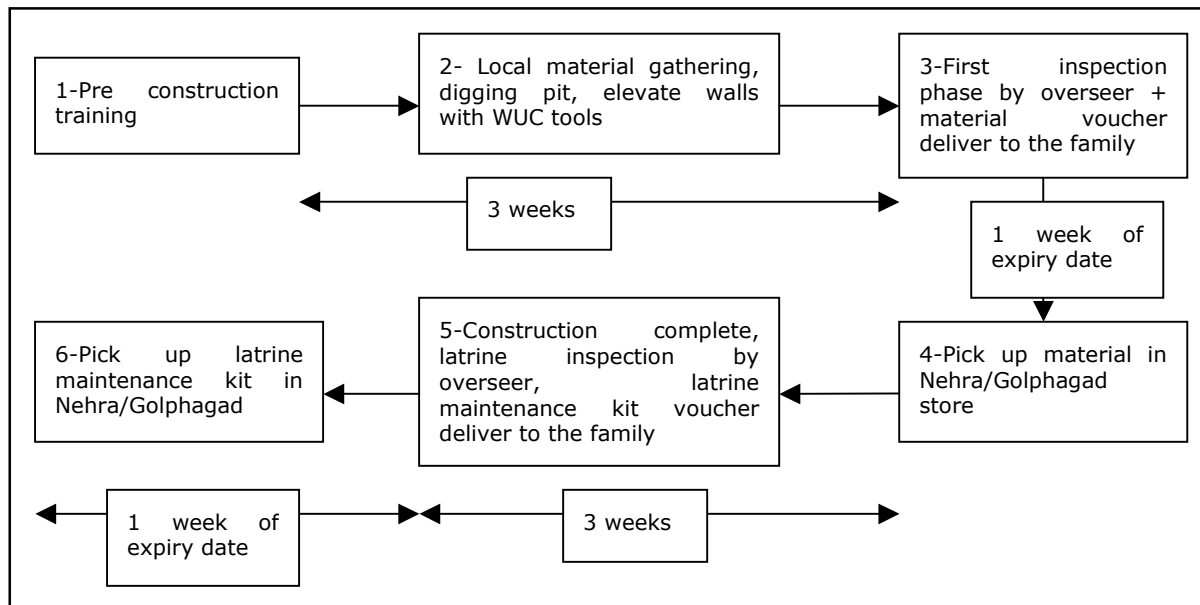


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Mugu & Humla districts, Nepal mission

- ✓ Water-seal pan (latrine pan)
- ✓ 1 bag of cement for pit gravestone & reinforced-concrete slab
- ✓ 2,5 m of 110 mm HDPE pipe, dark coloured (drainage pipe)

For efficiency:

- ✓ Require more water to flush



8. MONITORING DURING CONSTRUCTION

One sub overseer will follow on a regular basis the good implementation of the construction works. Two official inspection visits (3- and 5- stages) will be done and weekly occasional visits to give technical support to the beneficiaries. The technical monitoring should focus on:

- Progress on latrine (pit has been dug, stones, aggregates and sand has been collected), if not on schedule, why not?
- Have all materials been collected?
- Discuss any problems family is having with construction?
- Latrine pit dug to correct size?
- Cement being mixed correctly?

9. HANDOVER

ACF/KIRDARC will proceed to the handover of the latrine to the beneficiaries when all the construction is finished with the distribution of latrine maintenance kit.

10. MONITORING/EVALUATION AFTER COMPLETION

After the total completion, families will be visited by ACF/KIRDARC supervisors to ensure:

- Latrine is being used for the purpose it was designed (i.e. not for storage).
- Families should be asked are they using the latrine. If not, why not?
- Latrine is being kept clean and well maintained.
- Any shortfalls in the above should be addressed with training, additional hygiene promotion...

ANNEXES

ANNEX 1: MATERIAL LIST FOR ONE LATRINE

SN	Description	Unit	Quantity	Contribution	
				ACF/KIRDARC	Household
1	Stone	m ³	3		√
2	Sand	bag of 50 kg	5		√
3	Aggregates	bag of 50 kg	6		√
4	Wood	m ³	0.05		√
5	Cement	bag of 50 kg	1	√	
6	Plastic sheeting 500 gauge	metre*metre	2*2	√	
7	Water-seal pan (latrine pan)	pc	1	√	
8	Reducer (110 mm to 75 mm)	pc	1	√	
9	110 mm HDPE pipe, dark coloured, 4 kg/cm ²	metre	2,5	√	
10	PVC glue	500 ml	1/3	√	
11	6 mm iron rod	kg	3	√	
12	Binding wire	kg	0.2	√	
13	Nails	kg	0.5	√	
14	Hinge for door	pc	2	√	
15	Skilled labour	day	10		√
16	Unskilled labour	day	25		√

ANNEX 2: TOOL KIT FOR 10 LATRINES CONSTRUCTION (ACF/KIRDARC)

SN	Description	Unit	Quantity
1	Crow bar 1"x5" (medium size)	pc	4
2	Dressing hammer 1 kg	pc	4
3	Building trowel	pc	4
4	Shovel	pc	4
5	Sledge hammer 10 pounds	pc	4
6	Stone chisel 1.25 x 12	pc	4
7	Stone chisel 1.25 x 6	pc	4
8	Stone chisel 1 x 6	pc	4
9	Peak axe 2.2 kg	pc	8
10	Measuring tape 5 m	pc	1
11	Nail (claw hammer)	pc	1
12	Hacksaw blade	pc	30
13	Hacksaw frame	pc	1
14	Cutting pliers (small size)	pc	4
15	Cutting pliers	pc	4
16	Bucket 20 L	pc	2
17	Empty bag 50 kg	pc	10

ANNEX 3: LATRINE MAINTENANCE KIT FOR 1 LATRINE (ACF/ KIRDARC)

SN	Description	Unit	Quantity
1	Water bucket with lid and handle (20 L)	pc	1
2	Metallic cup with handle (1 L)	pc	1
3	Soap	pc	5