

Questionnaire for those looking to set up a CS - SMPU

When a user comes to the web app landing page for MPRP, we shall confirm that they are here seeking more information for setting up a community scale small millet processing unit (cs-smpu). Below are the questions s/he shall answer so that we can identify their current situation and prepare a recommendation and checklist to assist them in their pursuit.

1. General, Primary requirement
 - 1.A. Preconditions: None
 - 1.B. Q text: How many households are there in your village / town / neighbourhood?
 - 1.C. Q type: single select
 - 1.D. Answer options
 - 1.D.a. less than 100
 - 1.D.b. 100 to 200
 - 1.D.c. 200 to 500
 - 1.D.d. more than 500
2. General, Primary requirement
 - 2.A. Preconditions: none
 - 2.B. Q text: How many households are there if you consider the villages / town / neighbourhoods bordering the one you live in?
 - 2.C. Q type: single select
 - 2.D. Answer options
 - 2.D.a. less than 500
 - 2.D.b. 500 to 1000
 - 2.D.c. 1000 to 5000
 - 2.D.d. more than 5000
3. Agri, Primary requirement
 - 3.A. Preconditions: Q2 is answered
 - 3.B. Q text: How many of these households are farmers (their own land or taking land on lease)?
 - 3.C. Q type: single select
 - 3.D. Answer options
 - 3.D.a. all of them
 - 3.D.b. more than 75% of them
 - 3.D.c. 50 to 75% of them
 - 3.D.d. less than 50% of them

4. Agri, Primary requirement
 - 4.A. Preconditions: Q3 is answered
 - 4.B. Q text: In your village and in those bordering your village, select which of the crops in the list below are cultivated.
 - 4.C. Q type: multi select
 - 4.D. Answer options
 - 4.D.a. Foxtail Millet
 - 4.D.b. Little Millet
 - 4.D.c. Kodo Millet
 - 4.D.d. Proso Millet
 - 4.D.e. Barnyard Millet
 - 4.D.f. Browntop Millet
 - 4.D.g. Pearl Millet
 - 4.D.h. Finger Millet
 - 4.D.i. Sorghum
5. Agri, Primary requirement
 - 5.A. Preconditions:
 - 5.A.a. 4.D.a. OR
 - 5.A.b. 4.D.b. OR
 - 5.A.c. 4.D.c. OR
 - 5.A.d. 4.D.d. OR
 - 5.A.e. 4.D.e. OR
 - 5.A.f. 4.D.f.
 - 5.B. Q text: In your village and in those bordering your village How many households cultivate small millets (i.e. Foxtail, Little, Kodo, Proso, Barnyard, or Browntop Millet)?
 - 5.C. Q type: single select
 - 5.D. Answer options
 - 5.D.a. less than 80
 - 5.D.b. between 80 to 200
 - 5.D.c. more than 200
6. Agri, Primary requirement
 - 6.A. Preconditions: answered 5.
 - 6.B. Q text: In your village and in those bordering your village what would be the approximate quantity of small millets (i.e. Foxtail, Little, Kodo, Proso, Barnyard, or Browntop Millet) cultivated in a season?
 - 6.C. Q type: single select
 - 6.D. Answer options
 - 6.D.a. less than 50 tons (3 truck loads)
 - 6.D.b. between 50 to 100 tons (3 to 6 truck loads)
 - 6.D.c. more than 100 tons (6 truck loads)
7. Agri, Secondary requirement

- 7.A. Preconditions:
 - 7.A.a. 5.D.a. OR
 - 7.A.b. 6.D.a. OR
 - 7.A.c. 6.D.b.
- 7.B. Q text: In your village and in those bordering your village is there an APMC yard where small millets are bought and sold?
- 7.C. Q type: single select
- 7.D. Answer options
 - 7.D.a. Yes
 - 7.D.b. No
- 8. Agri, Secondary requirement
- 8.A. Preconditions:
 - 8.A.a. 5.D.a. OR
 - 8.A.b. 6.D.a. OR
 - 8.A.c. 6.D.b.
- 8.B. Q text: In your village and in those bordering your village, from the list below select the crops that are cultivated?
- 8.C. Q type: multi select
- 8.D. Answer options
 - 8.D.a. bengal gram
 - 8.D.b. green gram
 - 8.D.c. black gram
 - 8.D.d. horse gram
 - 8.D.e. cow pea
 - 8.D.f. yellow / green peas (drying varieties)
 - 8.D.g. Oil seeds, spices, or other grains that are of similar size and weight as these grains
- 9. Agri, Secondary requirement
- 9.A. Preconditions:
 - 9.A.a. 5.D.a. OR
 - 9.A.b. 6.D.a. OR
 - 9.A.c. 6.D.b.
- 9.B. Q text: In your village and in those bordering your village, the estimated quantity of harvest in a season of the list of crops selected above is
- 9.C. Q type: single select
- 9.D. Answer options
 - 9.D.a. less than 100 tons (6 truck loads)
 - 9.D.b. between 100 and 250 tons (6 and 15 truck loads)
 - 9.D.c. greater than 250 tons (15 truck loads)
- 10. Food, Primary requirement
- 10.A. Preconditions: none

- 10.B. Q text: In your village and in those bordering your village How many households eat millets?
- 10.C. Q type: single select
- 10.D. Answer options
 - 10.D.a. less than 80
 - 10.D.b. between 80 to 200
 - 10.D.c. more than 200

Agriculture

For a CS – SMPU, within a 10 kms radius it would be **necessary to have**

- a. small millet production of about 100 tons per season, (i.e. the equivalent of 200 acres of mono-cropped small millet cultivation in one season of the year)
- b. 80 families cultivating millets (in at least one season of the year)

Secondary requirements / **would be good to have** the following within a 10 kms radius:

- i. An APMC yard / market where grains are being sold
- ii. 500 acres of other grain cultivation (bengal gram, green gram, black gram, horse gram, cow pea, yellow peas, sesame, etc.)

Food (for humans and livestock)

For a CS – SMPU, within a 10 kms radius it would be **necessary to have**

- a. 60 families consuming one or more of millet rice on a regular basis (from foxtail, little, kodo, barnyard, proso, or brown top millets)
- b. 100 families consuming one or more of millet flour on a regular basis (from pearl, or finger millets or sorghum)
- c. 30 families ready to buy the unfilled grains as feed for their poultry / livestock
- d. 30 families ready to buy husk as fodder additive for their cattle

Secondary requirements / **would be good to have** the following within a 10 kms radius:

- i. 2 poultry farms that would be looking to buy bird feed
- ii. 2 cattle farms that would be looking to buy cattle feed

Socio-political and Infrastructure

In the village where the CS – SMPU is being planned to be set up, it would be **necessary to have**

- a. An SHG/FPO/youth group/women's group/community group that can be the local organization supporting the unit
- b. Electricity
 - a. 3 phase electricity supply within 1 km from the building in which the CS-SMPU will be set up
 - b. Sanctioned load of 25 HP
 - c. at least 8 hours of electricity supply during the day
- c. Built spaces
 - a. A 40' x 30' space with an 18' high roof (no need for walls)
OR
A 50' x 30' space with a 10' high roof (no need for walls)
 - b. A 50' x 20' room with a 10' high roof

Secondary requirements / **would be good to have** the following:

- i. Electricity supply
 - a. from a separate line from the agri pump set line
 - b. Or at least a transformer at the gate of/close to the SMPU.

Human Resources

For the smooth functioning of the CS – SMPU, it would be **necessary to have:**

- a. For the Pre-cleaning centre (harvest scale and season)
 - a. 3 operators + 1 assistant
 - b. 1 supervisor / manager
- b. For the hulling & post hulling centre (job shop)
 - a. 1 trained operator in the centre whenever it is open
 - b. At least 4 or 5 trained members in the community who can

Secondary requirements / **would be good to have** the following:

- i. A process such that at least 1 new operator is trained every year
- ii. 1 or 2 mechanics (who repairs tractors / scooter or bikes / lorry / any machines) who can be trained to do regular maintenance and basic repairs on the machines

Finances

For a CS – SMPU, it would be necessary to have

- a. Rs. 8 Lakhs for machines, installation, commissioning & training
- b. Rs. 1 Lakh for working capital and
- c. Rs. 1 Lakh for a maintenance fund

Local Market

For a CS – SMPU, it would be good to have a weekly (or more frequent) market where

- a. millet grains are bought and sold in small quantities
- b. about 50 kg of millet rice could possibly be sold in a day