

Guideline/checklist for report-- Phase 1

(Phase report should be submitted in colour hardcopy)

- Product Research- (Write in brief about the existing product and why is used. Describe the function, Features, advantage of the existing product with Images and also
- Buyer and End User Research (Describe about who actually uses a particular product in terms of (Age, Gender, Income, Location, Employment Status, And/or Education Level Group. Describe about the person who buys/ employed to buy merchandise materials.)
- Market Research (Describe what other similar products are available in the market with images (if any) Defined the Product positioning study and Benchmarking.)
- Research related to Manufacturing/process/fabrication/production – (Process of manufacturing & assembly, packaging, market promotions, etc)
- Analysis and key findings... (Highlight key areas/direction for concepts and design development, Potential areas of design intervention, key features and function analysis, SWOT (Strength, Weakness, Opportunity and Threat identified from research) etc
- Directions for concepts development for design interventional and improvements(Defined what are the materials that can be used to make the product more user-friendly, better functionality and how the product can be more efficient in terms of ergonomics, durability and be cost-effective)

Guideline/checklist for report-- phase 2

(Phase report should be submitted in colour hardcopy)

Deliverables

- a.
- b.
- c.

Concept Generation-

- Ideation and Conceptualization specifying number of products proposed in the design project(minimum 3 concepts for each product/design as proposed)
- Explained in detail, each of concepts made and presented to the MSMEs for proposed product/s(Elaborate the features proposed through images, sketches, mockup, renderings. Provide the references of information generated during the concepts.)
- Submit Images with name/number of concept mentioned (minimum 5 images for each concepts)

Describe in detail the final concept/s selected for further refinement/detailing.

- List of features identified and selected for design intervention in upcoming project activity
- Specification of new design emerging from concepts.
- Target user and market segment
- Expected price (if estimated from the existing activities)

Feedback of MSME unit on taking up final concept for further design activity and acceptance toward the outcome arising from the concept selected...

Guideline/checklist for report-- phase 3

(Phase report should be submitted in colour hardcopy)

Deliverables –

A

B

C

Provide details of activities for concept refinement, product design, drawing and detailing in following details

List of Documents prepared and submitted before prototyping activity (Drawing and 3D data in DWG, PDF, Doc, JPG, Images with minimum resolution of 300dpi)

2D Part drawings

Sub Assembly drawing, (in sets)

Complete assembly drawing

3D CAD Data – DWG, Pro-E, CATIA, Solid works, etc

Rendered Images-JPG, TIF, (high resolution)

List of bought out parts for prototype-

Completion certificate and documents for 40% prototype work (min 15 images in high resolution)

Images of parts development as per the approved new design

Images of prototype parts and subassembly

Images of Prototype work process

Guideline/checklist for report-- phase 4

(Phase report should be submitted in colour hardcopy)

Activity document

- Prototype Development activity detail (describe in detail the process of prototyping adopted for proposed product)
- Evaluation, testing and Refinement details
- Final prototype and refined Engineering data details
- Product detailing for final production and packaging requirement
- List of certification acquired for sale of product in the target market (Domestic/international certification, CE mark, Food grade, medical equipments, quality standards, etc)

Final prototype to include following details:

- Product colour**
- Product graphics**
- Product logo**
(Showcasing design aesthetic, appearance, color and surface textures of the proposed design of the product)

Final prototype/s completion at the end of project along with documents submitted for proof of activity.

- Prototype images (provide images of each component, sub assembly and final assembly, process of prototyping
 - Product images-5 nos.
 - Product in use images 5 nos.
 - Product details images-5 nos.
 - Brochure and communication materials prepared by the MSME unit for promotion of new product

(Professional photographer's help can be taken for product photography as per the approved documentation cost. All images should be in high resolution good quality minimum 300 DPI)

Bill of materials

Product specification