

**HANDICRAFT MEGA CLUSTER MISSION**

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**NOTICE INVITING EXPRESSION OF INTEREST FOR SUPPLY,  
INSTALLATION, COMMISSIONING, DEMONSTRATION &  
SATISFACTORY RUNNING OF MACHINES & EQUIPMENTS FOR  
SETTING UP OF COMMON FACILITY CENTRES AT BAREILLY,  
LUCKNOW AND KUTCH MEGA CLUSTERS UNDER MEGA  
CLUSTER SCHEME OF MINISTRY OF TEXTILES GOVT. OF  
INDIA**

Expression of interest invited from eligible manufacturers/suppliers for the Supply, installation, commissioning, demonstration and satisfactory running of Machines & equipments for setting up of Common Facility Centres with an objective to upscale and improve the production process at the Mega Clusters Bareilly, Lucknow (U.P) and Bhuj (Kutch- Gujarat).

Details of machines and TOR are available in the website [www.handicraftmegacluster.in](http://www.handicraftmegacluster.in) & [www.ncdpd.in](http://www.ncdpd.in) and can be obtained from O/o NCDPD. Sealed envelopes, separately for Technical and financial quotes can be submitted within 10 days from the publication of this advertisement.

## TERMS OF SUPPLY

- 1) **GENERAL:** Hon'ble Minister of Finance in his budget speech 2014-15 announced 3 new mega clusters with an objective of inclusive development of crafts in the clusters of Bareilly, Lucknow and Kutch. The guiding principle underlying the design of clusters would be to create modern infrastructure and to integrate the production chain in a manner that caters requirement of the handicraft artisans in the Clusters. In brief, the main objective of setting up this cluster is to assist the stakeholders in availing the facilities set up with modern infrastructure, latest technology, and adequate training and Human Resource Development (HRD) inputs along with appropriate market linkages. For the execution and implementation of the Mega cluster activities, an SPV under the title "**Handicrafts Mega Cluster Mission (HMCM)**" has been formed.

The HMCM proposes to acquire machines for the setting up of a common facilities centre (CFC) at the 3 Mega Clusters. The CFCs would be located within the cluster limits of Bhuj, Bareilly and Lucknow. The Purpose of the CFC is to provide common facility services to the artisans / craft persons, manufacturers / exporters with an objective to upgrade the level and technology and production of quality products. This expression of interest calls for the offer, supply, installation, commissioning, warranty and services of machines.

- 2) **DESIGN AND MANUFACTURE:** Offers are invited from reputed manufacturers/ suppliers in India or International of the listed machines with proven experience in the design, manufacture and supply of similar or equivalent machines. (List of machines as appended.)
- 3) **SUPPLY:** Supply includes design, manufacture, transport, unloading, installation, commissioning, successful trial productions and training of operators. Machines should be offered complete in all respects including two sets of toolings.
- 4) **WARRANTY:** Machines supplied are to be warranted for a period of 12 months from the date of commissioning. Warranty includes replacement of any parts or entire machine, if found to be substandard or with manufacturing defects or not meeting performance guarantee criteria.
- 5) **PERFORMANCE GUARANTEE:** Machine must be proved to perform at the rated capacity at the time of commissioning of the equipments. Machines must perform to the rated capacity for the entire period of the warranty.
- 6) **PRICE** – Offered prices to include:
- a) Cost of machine.
  - b) Duties and taxes, if any, as applicable.

- c) Transport, loading, unloading and all related costs.
- d) Installation and commissioning charges.
- e) Training charges.
- f) Two set of tools to be supplied with each machine.
- g) Any miscellaneous charges including electric cabling, etc.

**Note:**

- 1) The beneficiary will only provide suitable electric power outlet near the proposed location of the equipment.
- 2) Prices to be quoted for each individual machine giving separately the costs for each item.
- 3) Alternatively a supplier of all machines may offer on total turnkey basis including supply, transport, installation, commissioning and training.
- 4) For imported equipments, the HMCM will make efforts to obtain concessional or duty free import. Import duties if any will be payable by the purchaser, all other charges to be considered by the supplier to be to the suppliers account.
- 5) Offers without detailed machine specifications and catalogues may not be considered.

**7) PAYMENT:** Terms for payment are as detailed.

- I. 10% on release of purchase order.
- II. 60% on receipt of machines at site.
- III. 20% on successful installation and performance evaluation.
- IV. 10% on completion of the warranty period.

**8) EVALUATION:** Evaluation of the offers will be on technical and commercial basis considering all conditions and terms of the quotations in compliance with points 1 to 7 detailed above. Prospective suppliers to provide reference list of existing installations along with letter of satisfactory performance & operation.

**9) RIGHTS:** The HMCM reserves the right to :

- a) Purchase any or all the machines as listed.
- b) To accept or reject any offer based on technical/commercial evaluation.

**10) Last date for receipt of EOI is 9<sup>th</sup> March 2015. (3.00 P.M.).**

## SPECIFICATIONS OF PROPOSED MACHINES

### 1. ZARI/ZARDOZI

S.No	item	Specification	Quantity	Location
1	Sewing Machine	<ul style="list-style-type: none"><li>• Application: Light to medium weight fabrics</li><li>• Sewing speed: Upto 5000 stiches per minute</li></ul>	100	30-35 in each of the locations (Bhuj, Bareilly and Lucknow)
2	Interlock Machine	<ul style="list-style-type: none"><li>• Configuration: Flat Bed</li><li>• Maximum sewing speed: 5000 RPM</li><li>• Maximum sewing thickness: 12mm</li></ul>	10	2-4 in each of the locations (Bhuj, Bareilly and Lucknow)
3	Cutting Machine	<ul style="list-style-type: none"><li>• Straight Knife type</li><li>• 5 inch blade</li><li>• Automatic sharpening system</li><li>• Should be able to cut variety of fabrics</li></ul>	10	2-4 in each of the locations (Bhuj, Bareilly and Lucknow)

## 2. TERRACOTTA

### BALL CUM POT MILL

#### Specifications:

S.No	Item	Size	Material	Qty	Location
1A	Stand for ball mill	800mm length X 980mm width x 170mm height	M.S.	1	Bareilly
1B	Stand for pot mill (mm)	790 x 980wx 240 height	M.S.	1	
2	Drum (mm)	D590xL640X6Thick-20 holes with FRP coating of 2.5mm	M.S.	1	
3	Side covers with (Rabin		M.S.	1	
4	Lid of drum		M.S.	1	
5	Big Pedestal	P 205 B with pedestal.	Bearing Steel	2	
6	Driven pulley	"B"grooved fixed on main shaft of Drum	C.I.	1	
7	Main Shaft	1110-1140mm length.	EN31	1	
8	Driver pulley	"B" grooved fixed on counter shaft.	C.I.	1	
9	Counter pulley	"B" grooved fixed on counter shaft.	C.I.	1	
10	Motor pulley	"B" grooved fixed on counter shaft.	C.I.	1	
11	V belt	B-52 inches length.	Std.	1	
12	Electric motor	1HP,1400 RPM Minm Single phase with cable	ISO9001	1	
13	Counter shaft	Diameter 20mm x length 300mm.		1	
14	Counter Shaft	Diameter 40mm x length 450mm.	EN31	1	
15	Small Pedestal	P 208 B with pedestal.	Bearing Steel	1	
16	Ceramic Pots			2	
17	Skelton for pot		M.S.	1	
18	Connector (Distance piece)	Made from wooden plate	Wood	4	
19	Driven pulley for pot	"B" grooved fixed on pot mill shaft	C.I.	1	
20	Pedestal for pot mill	P 205 B with pedestal.	Bearing Steel	2	
21	Pot mill shaft		EN31	1	
22	V belt for pot mill	B-75inches length.	Std.	1	

PUG MILL

S.NO	Item	Size etc	Material	Qty	Location
1A	Cylinder (Upper Side)	ID200mm x L350 X wall thickness4mm having flat to connect Upper side cylinder on lower side cylinder with the help of nuts bolts	M.S.	1	Bareilly
1B	Cylinder (Lower side)	ID 200mm X L560mm x wall thickness 4mm having flat. Hopper end of this cylinder is closed which is extended flat. Hopper end of this cylinder is closed which is extended up to 180 mm height from flat x 265mm width having four holes to fix hopper end of Upper side cylinder on Lower side cylinder with nuts and bolts	M.S.	1	
2	Main shaft		EN31	1	
3	Hollow Screw shaft		M.S.	1	
4	Hollow Pugging shaft		M.S.	1	
5	Hollow Cone shaft		M.S.	1	
6	Cone		M.S.	1	
7	Hopper with lid (inside)	210mm width X 200mm length x 175mm height with hinged lid	M.S.	1	
8	Exhaust pipe	Made from Stainless Steel	S.S.	1	
9	Cylinder Pugging		M.S.	6	
10	Cone Pugging		M.S.	2	
11	Gear (Spur)		C.I.	1	
12	Pinion (Spur)	16 teeth X 30mm width of teeth	C.I.	1	
13	Driven pulley	"B" grooved of 350 mm diameter fixed on counter shaft to coincide with motor pulley	C.I.	1	
14	Stand for motor		M.S.	1	
15	Stand for cylinder		M.S.	1	
16	Electric motor	2 Horse Power , 1440 RPM Single phase	ISO9001	1	
17	Lid	Appropriate to protect wet clay from drying	S.S.	1	
18	V belt	Suitable	std.	1	
19	Safety guard		M.S.	1	
20	Stand for Pedestals		M.S.	1	
21	Bush		Gum Metal	2	

22	Housing of Bush		M.S.	1	Bareilly
23	Pedestal-main shaft	P 205 bearing with pedestal	Bearing Steel	1	
24	Counter shaft	D20mm X l 220mm	EN31	1	
25	Pedestal-main shaft	P 204	Bearing Steel	1	
26	Motor base support		Hard Wood	4	
27	Support - Main Shaft		M.S.	1	
28	Screw		M.S.	1	
29*	Handle bars				

### BLUNGER

S.No	Item	Size etc	Material	Qty	Location
1	Main Stand	40mmx40mmx5mm	M.S	1	Bareilly
2	Cover	T=1	M.S	1	
3	Electric Motor	Single phase,1 H.P. 1440 RPM		1	
4	Stand for Motor		M.S	1	
5	Shaft	D30mmxL900mm		1	
6	Pedestal			1	
7	V Pulley	D350mm B Type		1	
8	V Belt	B Type		2	
9	Motor Pulley	D50mm B Type		1	
10	Blade			1	

## FURNACE

S.No	Item	Specifications	Quantity	Location
1	Furnace	<ul style="list-style-type: none"> <li>• Brick Body – Normal red brick</li> <li>• Kiln covered by 2mm thick MS sheet with MS angle support</li> <li>• Dome body by 8mm thick sheet</li> <li>• 230mm wall thickness</li> <li>• Height of the body 1500mm</li> <li>• Top Doom height 700mm</li> <li>• Glass fibre lining 50mm</li> <li>• Glass fibre coated by refractory coating</li> <li>• Open in door suitable size</li> <li>• Outer Dia 3200mm</li> <li>• Floor of kiln – MS mesh with fire brick and refractory motor</li> <li>• Manually operated damper</li> <li>• Height of the chimney –1800</li> <li>• Chimney Dia – 550mm</li> </ul>	2	1 each in Bareilly and Bhuj



### 3. BAMBOO & CANE (Only for Bareilly)

#### Bamboo Turning Unit

Machine Specification
<b>Turning Lathe</b> Total length of machine – 5 ft. Working distance between centres – 3 ft. With revolving centre – 6” with face plate, with 3 speed pulley, Along with 1 HP single phase Crompton makes elect. Motor, V- Belt, and Starting Switch.

#### Turning Tool Kits

S. No.	Tools
1	Gauging Chisel (big + small)
2	Skew Chisel (big + small)
3	Parting chisel
4	Square chisel (big + small)
5	Hacksaw for woodwork
6	Hammer
7	Measuring tape (3 mtr)
8	Metal scale ( 12 inches)
9	Small File for sharpening Hacksaw blade
10	Tri square ( 8")
11	Blow lamp
12	Brush 1 inch
13	Combination stone
14	Power operated hand drill (Bosch, Model – GSB 10RE)

## Bamboo Jig Jewellery Unit

### Machine components

S. No.	Machine Specification
1.	Jig saw machine (1 hp motor, 24"length, 4"cutting height)
2.	Bench vice (4" inch)
3.	Power operated hand drill (Bosch, Model – GSB 10RE)

### Individual Tool components:

S. No.	Tools
1.	Scissor
2.	Nose Pliers
3.	Wire cutter
4.	Paper Cutter
5.	Hack saw
6.	Measuring tape (3 mtr)
7.	Needle with handle
8.	Forceps
9.	Pen drill
10.	Dao

## Bamboo Furniture Unit

### Hand Tools

S no.	Name of Tools
1	Standard Hand Saw
2	Traditional Dao
3	Chisel set (0.25",0.5",0.75",1",1.5")
4	Hammer
5	Blowlamp
6	Sash clamp (5 Ft.)
7	'C' clamp (3"or 4")
8	Plier

### Power Operated Hand Tools

1	Orbital sander Bosch make – 125mm
2	Electric hand drill Bosch make – 10 RE
3	Angle Grinder - Bosch Make GWS 6-100
4	Pillar Drill

## Bamboo Cross Cut Machine

### Specifications:

Horse Power	3 HP
Motor Speed	2700 Rpm
Saw Blade Size	16"
Working Range Max. Diameter	200 Mm
Approx. Weight	200kg

Machine to be equipped complete with saw blade, motor electrical control, starter etc. Accessories like Bamboo resting stands for feeding, Bamboo length setting device with stopper, A collection stand.

**Bamboo Chain Splitting Machine**

Specifications:

Size of Splitting	Length 8 Feet Bamboo Pole
Horse Power	7.5 Hp
Splitting Grills	6 No. Of Radial Knife For 6,8, 10, 12, 14 And 16 Pieces
Splitting Grills	Parallel For 2, 4 & 6 Inch Bamboo
Approx Weight	900

**Bamboo External Knot Removing Machine**

Specifications:

Horse Power	1.5 Hp
Cutter	Carbide Tipped Cutter
Working Range	0- 100 Mm

**Bamboo Internal Knot Removing, Width Sizing Machine**

Specifications:

Horse Power	2 Hp × 2 + 3 Hp ×1
Capacity	12 – 15 Pcs Per Minute (Each Pcs Approx. 1 – Meter Long)
Working Range Max. Thickness Of Splits	25mm
Working Range Max. Width Of Splits	35mm
Approx Weight	500 Kg