

विकास आयुक्त का कार्यालय  
(सूक्ष्म, लघु और मध्यम उद्यम)  
सूक्ष्म लघु और मध्यम उद्यम मंत्रालय  
(भारत सरकार)

निर्माण भवन, सातवीं मंजिल, मौलाना आजाद रोड,  
नई दिल्ली-110 108



सत्यमेव जयते

**MSME**  
MICRO, SMALL & MEDIUM ENTERPRISES  
सूक्ष्म लघु और मध्यम उद्यम

OFFICE OF THE DEVELOPMENT COMMISSIONER  
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No.21/04/CTTC-BBSR/2016-17/TR

Dated 31.08.2016

The Managing Director,  
MSME-Technology Centre (CTTC),  
Bhubaneswar.

**Sub: Approval of the Action Plan for the year 2016-17 of CTTC, Bhubaneswar.**

Sir,

Please refer to your email dated 30.06.2016 vide which Action Plan 2016-17 was forwarded for seeking approval of AS&DC/Chairman, CTTC, Bhubaneswar.

2. The proposal of CTTC, Bhubaneswar, as vetted by local GC members and supported with detailed justification, has been examined and I am to convey the approval of AS & DC (MSME) / Chairman of the Action Plan 2016-17 worth Rs. 2820.00 lakh with following bifurcation of expenditure:

(A) Technology/ Capability Enhancement	Rs. 1400.00 lakh
(B) Expansion Activities	Rs. 570.00 lakh
(C) Regular Investment / Renovation/ Replacement	Rs. 850.00 lakh
<b>Total</b>	<b>Rs. 2820.00 lakh</b>

3. The details of the Action Plan 2016-17 are as under.

Sl. No.	SUBJECT	Est. Cost in Lakh	Pay Back Period.
<b>(A) Technology / Capability Enhancement</b>			
1.	CNC Cylindrical Grinding Machine Centre distance -650 mm Center height - 175mm C Axis for thread grinding. Accuracy- 2 mikron	400.00	7 years
2.	High Precision and high speed CNC EDM machine X-axis 600 mm Y-axis 400 mm Z-axis 400mm C axis Accuracy - 5 mikron or better	400.00	7 years
3.	CNC CMM with Laser head X-axis 500 mm; Y-axis 600mm; Z-axis 600mm; Accuracy - 1.5 mikron or better	100.00	----

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4.	CNC 5 Axis Milling machine for Training X-axis 500mm Y-Axis 400mm Z-Axis 400mm Spindle RPM – 12000 rpm	200.00	5 years
5.	CNC Turn Mill Centre X-axis 500 mm Z-axis 300mm 12 station turret with 6 live tool. Accuracy- 10 mikron	100.00	3 years
6.	Assembly and Testing facility for Temperature sensors Vibration test facility up to 3000 HZ frequency, Displacement 25.4mm; Helium leak test facility – Helium leak rate $<10 \times 10^{-12}$ mbar; Proof pressure test facility- Pressure range-dual 1 to 60/20 to 1200 bar. Dry block furnace-Max operating temp 1200 c.	200.00	2 years
<b>Total (A)</b>		<b>1400.00</b>	
<b>(B) Expansion Activities</b>			
7.	CNC Machines for Training. a)CNC Milling – 5 Nos 500 x 400x400 mm; Accuracy-10micron b)CNC Lathe – 5 Nos. 1000x300mm; Accuracy-10micron c)CNC Wire Cut – 1 No. 400x300mm; Accuracy 10 mikron	<b>300.00</b> (a) 150.00  (b) 100.00  (c) 50.00	4 years
8.	Robotics Lab Kuka/ Mitsubishi/ Fanuc Robot of 6 kg capacity and related software.	80.00	2 years
9.	Solar energy training lab Solar energy kit, Solar tracker training system, Solar PV controller, 1 KW solar power plant, Nano Ti 02 Solar cell kit.	50.00	2 years
10.	CNC Simulation Lab for Extension Centres Sinumeric - 6 Nos. Heidenhein – 6 Nos. Fanuc – 6 Nos.	40.00	3 years.
11.	Furnishing of Ground and 1 <sup>st</sup> floor of new training workshop (G+1) ➤ LED light fitting ➤ Cassette AC 4 tons – 14 Nos. ➤ Ceiling Fans ➤ False Ceiling Microlook ➤ Aluminum partition	100.00	---
<b>Total (B)</b>		<b>570.00</b>	
<b>(C) Regular Investment / Renovation / Replacement</b>			
12.	Desktop Computer 300 Nos. i7, 4mb Cache, 4GB Ram , pre loaded windows OS	200.00	3 years
13.	Computer Softwares Catia V-6(50 license). CREO(50 license). DELCAM(20 license), E learning, VIVADO, Staddpro, Edge-Cam etc.	100.00	3 years
14.	Productivity Improvement tools, machines, equipment, measuring instruments. Tool pre-setter-measuring accuracy $< 0.5$ micron. CMM up gradation in training & Prodn. Micro heights 600mm, accuracy 1 micron etc. Automatic Band saw n/c of dia 400mm and taper not more than 0.4 mm.	150.00	---
15.	Machine Spares and Accessories Electronic imported Card for CNC machines. Balls screw; Drivers etc.	50.00	---

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16.	Furniture and Fixture Computer table, Computer Chair, Instructor Table, Instructor Chair, Office furniture etc.	150.00	---
17.	Renovation of Front Gate, Landscaping etc New Gate Complex: Entrance Plaza: Information Counter; Training deptt front facia; Prodn deptt front facia:Landscaping, fountain etc.	200.00	---
	<b>Total (C)</b>	<b>850.00</b>	
	<b>Grand Total (A+B+C)</b>	<b>2820.00</b>	

4. MD, CTTC, Bhubaneswar is advised to follow GFR, e-Tender for procurement of Capital Items. The expenditure for the Action Plan worth Rs. 2820.00 lakh shall be met out from surplus funds generated by CTTC, Bhubaneswar through its internal resources. The items wherever available on DGS&D rate contract should be procured accordingly. CTTC has to seek administrative approval for proposed civil works. The proposed Action Plan 2016-17 would be implemented over a period of two years (i.e. 2016-17 & 2017-18).

5. It is also advised to place the Action Plan 2016-17 before the Governing Council of CTTC, Bhubaneswar during its next meeting for ratification.

Yours faithfully,

  
(Jaipal Singh)  
Dy. Director (TR)  
31/08/2016