

**Minutes of the meeting of Sub-Committee of NCVT on Training norms and courses held on 30<sup>th</sup> October, 2014**

A meeting of the Sub-committee of NCVT on Training Norms and Courses was held on 30<sup>th</sup> October, 2014 in Committee Room, NVTI, Noida, UP under the Chairmanship of DG/JS. List of participants who attended the meeting is at annex -I.

DG/JS informed the Sub-committee that Mentor Council of Construction Sector has approved nine new MES courses for inclusion under SDI Scheme. Thereafter he requested representative of Labournet to give detail presentation on four MES courses prepared by them.

Shri Kirti Vardhan, Head-Products Consultation , Labour net Managed Service gave detailed presentation of curricula including the course content and other details in respect of four MES courses namely Brick & Block Worker, Glass Paneling, Glazer , Cladder.

After detailed discussions following changes were proposed uniformly in all the MES courses discussed in meeting

- i. Code of MES courses must as per approved structure of code under SDI scheme.
- ii. Hourly distribution of course content both for theory and practical portion.
- iii. Soft Skill courses of 50 Hrs. be included in each course
- iv Trainers qualification be included in each MES course

Following courses specific changes were also proposed

**I. Brick & Block worker:**

- The MES course of Brick & Block work should be renamed as “**Block Masonry Work**”.
- Some more skill be included in curricula so that the person taking this course should be able to do Block work independently.
- The duration of course be kept as 300 Hrs

**II. Glass paneling & Glazer:**

- The two MES courses of Glass paneling & Glazer be combined into one course of 300 Hrs and be named appropriately.
- Fresh Tool and Equipment list be prepared.

**III. Cladder :**

In Tool & Equipment at Sl. No. 1 Drilling Machine be replaced with Hard Drilling Machine and Quantity of all the items be changed as per requirement of course.

R. Shrinivas of Preca Solutions presented detailed curricula of five MES courses namely Crane operator – Overhead EOT & Mobile Cranes, Batching Plant operators, Riggers, Quality Inspector -Concrete and Production Supervisors

Course wise changes proposed are as under

**Overhead EOT & Mobile Cranes:** Terminal competencies be defined in one line which could be written on certificate to facilitate employment. Crane Lifting capacity may be kept 20 tons and batch size as 10. Tool list should include both types of cranes mandatorily.

**Batching Plant operators:** Trainers Qualification be changed from Diploma/Degree in Mechanical Engineering to Civil Engineering and in terminal competency Inspection and Maintenance be replaced to Inspection and preventive Maintenance. Batch size was recommended as 20. Tool list be added.

**Riggers:** Entry Qualification be changed from 10<sup>th</sup> pass to 8<sup>th</sup> pass. Batch size was recommended as 20.

**Quality Inspector:** Specific names of ITI trades be included in entry qualification. The soft skill courses of 100 Hrs be included and Batch size be kept as 20.

**Concrete and Production Supervisors:** Specific names of ITI trades be included in entry qualification. The soft skill courses of 100 Hrs be included and Batch size be kept as 20. Tool list be added.

The sub committee also approved re-drafted- MES course namely 3D Visualisation in Architecture, Architectural and Civil 2D Drafting with Auto CAD, Architectural Drafting and 3D design with Autodesk Revit (CON 753) and Advanced Architecture 3D Design with Autodesk Revit (CON 754) under construction sector.

**Agenda Item 2: One time relaxation for trainees of ITIs of semester pattern who were debarred from appearing AITT on Semester pattern held in year 2014 due to short attendance.**

Proposal was not agreed to by the Sub- committee.

**Agenda Item 3: Guide lines for accommodating more than 5 Ex- trainees of ITIs against supernumeraries seats.**

Committee recommended that Ex-trainees (trainees having less than 80% attendance ) must be given preference for admission against supernumeraries seats to complete their training programme. The total capacity per trade should not be more than the total capacity trade wise plus **supernumeraries** seats allocated for that trade.

**Agenda Item No.4: Further modification of curricula of trades revised by Mentor Councils under CTS on the basis of suggestions received from State Governments and ITIs.**

Sub-committee reviewed the modification in curricula of trades revised by Mentor Councils under CTS. Recommendation of Sub-committee has been summarized in following table :

Sl. No.	Trade	Major changes/Observation received	Change approved by Sub-committee
1	Tuner	The Power norm for Turner is too high even more than Welder trade although all the machines do not use all the time. Revised power norm is 18.5 KW for Turner trade which is 2 KW more than earlier power norms.	Increase in 2 KW was agreed.
1.	Machinist	The Power norm for Machinist is too high even more than Welder trade although all the machines do not use all the time. Revised power norm is 20 KW for Machinist trade which is 1.5 KW more than earlier power norms	Hence increase in 1.5 KW was agreed.
2.	DMM	64 sq. m. area for DMM may be relooked. Product based name viz., Auto CAD mentioned in DMM course. The same is even mentioned in syllabus (2nd semester)	64 sq.m. area is sufficient for the batch of 16 trainees. The term AutoCAD be used or CAD software authorized by DGE&T.
3.	Electrician	Item No. 2 CT : 10-20 A/5A, 5VA	Suggestions agreed.
		Item No. 3 PT: 0-230-440V/ 110V, 25VA	Suggestions agreed.
4.	Draftsman Civil	Existing Power Norms 3.7 KW and now proposed 5 KW	Suggestions agreed.
5.	Architectural Assistant	Existing Space for Workshop = 80 sq. m. Proposed space for workshop = 100 sq. m.	80 sq.m. area is sufficient for the batch of 20 trainees.
		Existing Space for computer room = 80 sq. m. Proposed space for computer room = 35 sq. m.	Reduced space of 35sqm was agreed
		Existing Power Norms = not given Proposed Power Norms = 3 KW	5 KW power norms was agreed.
		Computer Workstation, change to working table & chair for computer = 10 nos.	change to working table & chair for computer was agreed.
6.	Surveyor	Total Station Qty. two be reduced to one	Qty. One agreed
		Digital Theodolite Total Station Qty. two be reduced to one	Qty. One agreed
		GPS Total Station Qty. two be reduced to one	Qty. One agreed
7.	Fabrication Sector Welder trade	Welding transformer with all accessories (400A,OCV 60-100V,60%duty cycle) Total Station Qty. two be reduced to one	2 sets of the welding transformers approved
		Welding transformer (or) Inverter based welding machine with all accessories	

		(300A,OCV60-100V,60%duty cycle) Total Station Qty. two be reduced to one	
		GMAW welding machine 400A capacity with air cooled torch, regulator, Gas preheater, Gas hose and standard accessories. Total Station Qty. two be reduced to one	One set each of GMAW welding machines and AC/DC GTAW welding machine approved
		AC/DC GTAW welding machine with water cooled torch 300A, Argon regulator, Gas hose, water circulating system and standard accessories. Total Station Qty. two be reduced to one	
		Air plasma cutting equipment with all accessories, capacity to cut 25mm clear out. Qty. be reduced from one to zero	Not agreed to delete the machine. However, the capacity may be reduced to 12mm clear cut from 25mm clear cut to reduce the cost.
		Air compressor suitable for air plasma cutting system Qty. be reduced from one to zero	Not agreed to delete the machine. However, the capacity may be reduced to 12mm clear cut from 25mm clear cut to reduce the cost.
		Magnetic particle testing kit. Qty. be reduced from one to zero	One machine per institute irrespective of number of units of Welding trade is necessary
		Welding Simulators for SMAW/GTAW/GMAW	It is already made optional. Hence question of deleting does not arise
8.	Welder	at Sl. No. 57 of equipment list it was proposed to reduce the capacity of power saw machine as 14 “as against exiting 18”	Proposal approved
9.	Mechanic Diesel and MMV trade	Sl.No 12 Heavy commercial vehicle type (without body on frame)	Deleted (Mechanic diesel trade only ) and Only one running vehicle for MMV trade
		sl no 24. Of Working condition of diesel engine – crdi 4 stroke engine assembly with Fault simulation board	Working condition of diesel engine – crdi 4 stroke, 6 cylinder engine assembly with fault simulation board.

		IN SLNO 6.diesel engine (running condition) stationery type	Not agreed
10.	Classroom furniture	Sl. No. 2 May be amended as below Sl. No. 2 Student chairs with written pads/ dual desk – 16 seating.	approved

**Agenda Item No.5: Review the duration of training period under CTS for trade Architectural Draftsmanship.**

Committee recommended that CSTARI should independently take up the task to review the course content of trade **Architectural Draftsmanship**, in consultation with representatives from Architectural industry and experts. The final course must be vetted by the trade association also.

The meeting ended with a vote of thanks to the Chair.

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**List of Participants who attended the meeting of Sub-committee of NCVT dealing with Norms and Courses on 30th October, 2014 in Committee Room, NVTI, Noida**

<b>S.No.</b>	<b>Name</b>	<b>Designation</b>	<b>Organization</b>	<b>E-mail ID</b>	<b>Contact No.</b>
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