MSDE(DGT)-07/08/2022-CD Government of India Ministry of Skill Development & Entrepreneurship (MSDE) Directorate General of Training (DGT)

Employment Exchange Building, PUSA Complex, IARI, New Delhi-110012, Dated: 10th November, 2022

The Commissioners/ Director, Vocational Training / Skill Development, All States/ UTs

Subject: Clarification regarding teaching of Workshop Calculation & Science (WCS) and Engineering Drawing (ED) post simplification and subsequent merging with Trade Theory under Craftsmen Training Scheme.

Sir/Madam,

Kindly refer to this Directorate's D.O. letter no. MSDE(DGT)-19/03(02)/2022-CD dated 05th April, 2022 wherein simplification of Workshop Calculation & Science (WCS) and Engineering Drawing (ED) syllabus of max. 40 hours each and merging with Trade Theory Subject for all engineering trades from the current session were communicated to All State Principal Secretaries/ Directors of States/UTs dealing with Skill Development in ITIs as per the decision of 16th NSQC meeting under NCVET held on 24.02.2022 (Copy enclosed).

2. The DGT has received queries from various stakeholders regarding the teaching of WCS and ED under CTS. In this regard, it is informed that for teaching of the topics of WCS and ED in ITIs, States/ UTs may follow the recommendations at serial no. 4 of letter no. DGE&T-19(4)/2013-CD dated 26th June, 2013, mentioned (copy enclosed), as under:

"One Drawing Instructor is required for 144 Engineering seats sanctioned in the Institute. Additional instructor will be required on increase in every 144 students. Up to 144 Engineering seats one instructor for Workshop Calculation & Science (WCS)"

3. In addition to teaching of Workshop Calculation & Science (WCS) and Engineering Drawing as per order dated 26th June, 2013, the vocational instructors of ITIs may be utilized for training/ teaching related activities of trades matching to their qualification.

This issues with the approval of Competent Authority.

Yours Sincerely (Sanjay Kumar) Director, CD

Encls : As above

Copy to:

- 1. PPS to Secretary, MSDE
- 2. Sr. PPS to DG, DGT
- 3. All State Principal Secretaries/ Secretaries of States/UTs dealing Skill Development Program
- 4. All Directors at DGT (HQ), New Delhi
- 5. Director CSTARI and Executive Director, NIMI
- 6. IT Head, DGT with a request to upload on DGT website

То

DGE&T-19(4)/2013-CD Government of India Ministry of Labour & Employment Directorate General of Employment and Training

Shram Shakti Bhawan, Rafi Marg, New Delhi, dated 26th June, 2013

- 1. Secretaries/ Principal Secretaries of all the State Governments / UT Administrations dealing with Vocational Training;
- 2. Directors dealing with Vocational Training of all States/ UT Administrations;
- Directors, ATI Chennai, Hyderabad, Mumbai, Kolkata, Kanpur, Ludhiana, CSTARI Kolkata, ATI(EPI) Hyderabad & Dehradun, FTI Bangalore & Jamshedpur and NIMI Chennai; and
- 4. RDAT Kanpur, Mumbai, Kolkata, Chennai, Faridabad & Hyderabad

Subject: Modification in NCVT norms for various issues

Sir/ Madam,

To

This is to inform you that, in order to streamline the existing NCVT norms on various issues, following norms have been revised.

S. No	Existing norms	Revised norms
1.	 As per DGET/NCVT norms the following staff is admissible for industrial Training Institute in addition to other staff. a) Training Officer/ Group Instructor- 1 No. for every 8 units b) Qualifications of the Training Officer are: 10th class pass or equivalent Diploma in Tech/ Engineering Five years practical experience in a reputed industrial concern or in training 	Institute can manage to impart the training in less than 8 units of institute thus 1 Group Instructor is required wherever there are 8
2.	Carpenter- one at each such Industrial Training where the number of seats sanctioned is 250 or more and where the post of Instructor Carpentry does not exist.	The said posts may be abolished. Carpenter may be outsourced if required.

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3.	Training electrician ii. The S Where th sub-static attendant sub-static could be	Institute n does no witch here is on at the t is prov on attend appointe tendant	where to be exist. Board a separate ided by F dant for e ed, the sca	Industrial the trade Attendant e electric s and no PWD, one each shift ale of pay cording to	institute can be managed through outsources/ contract basis where the Electrician trade does not exists. The position of electrician can be abolished. I. The Switch Board Attendant may be outsourced as required.
4.	Drawing Instruc and/ or non-eng Workshop Calo (Maths Instructo	ineering) ulation 8	seats san	One Drawing instructor is required for 144 Engineering seats sanctioned in the Institute. Additional instructor will be required on increase in every 144 students. Upto 144 Engineering seats one instructor.	
5.	Allied Instructor may not be pro- trade training of respective trad- existing staff of phased out grad	- The pos vided in th could be le instru on all si	he ITI in w carried c ctor. How	The post of Allied Instructor in the Institute may be abolished.	
6.	Medical Staff Medical Officer time for three o city) Compounder Dresser each ITI	Part or four In One fo	stitutes in	First Ald facility may need to be made available in the institute. It may be outsourced as per requirement. Tie-up with doctor/ clinic/ hospital is mandatory.	
7.	The space re	Vith the for Quantity (for 300 trainees) 40 2 2 2 40	Or Drawin ollowing its Quantity (for 600 trainees) 80 4 4 4 80 2	ems in the	Class room will be used as a Drawing Hall for "Engineering Drawing" subject and no separate drawing hall is required. Drawing hall is required for the trade "Draftsman (Mechanical)" & "Draftsman (Civil)".

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	and app Sanctioned Strength	Upper Divisio n clerk (UDC)	Lower Divisio n clerk (LDC)	Multi Skill Person					trainees, but most Instituted have informed that they are facing difficulty in employing the
				Atten dant	Maali	Sweepar	Chowkidar		staff on regular basis. It is
	For a Minimum of 50 seats			1	1 1	1	1		proposed that the supporting staff (Ministerial staff like Clerk Head Clerk, Accountant
	For a Minimum of 100 seats	2	1	2	2	2	2		Superintendent etc, Multi skills persons & Hostel staff) may be allowed to be employed or
	For a Minimum of 150 seats	2	2	2	3	2	3		contract basis/ outsourced 8 may be need based in the
	For a Minimum of 200 seats	3	2	3	3	3	3	i.	Institute, Bank/PO accounts statement for existing instructors, if any,
	For a Minimum of 250 seats	3.	3	3	4	3	4	and a subscription of the	for last 2 years.
2018 - Contra - Contr	additiona the circu and one Where th one of th	al cler imstar class ne nun em mi	k, UE nces, IV sta nber o ay be	C or one ff ma of cle appo	r LDC works y be p rks is binted	accor hop at provided at leas as hea	tendant d. t three, d clerk.	n di mana mana mana mana mana mana mana man	
	additiona the circu and one Where th one of th Where th one office Hostel Si i. Ho Tr att ii. Ho ea is St	al cler imstar class he nun e nun e supe taff ostel aining tacheco tel C och ho 50 or uperint	k, UE nces, IV sta nber o ay be mber erinter Supe Offic d to ea clerk- stel, v more tendel	C or cne ff ma of cle appc of	r LDC works y be p rks is binted arks is may arks is may ondent One stitute C or the a dditior	accor hop at provided at leas as hea s six of be appoint cum-F for the actual s notual s	ding to tendant d. t three, d clerk. r more,		
	additiona the circu and one Where th one of th Where th one offici Hostel Si i. Ho Tr at ii. Ho is St iii. Ho No. of	al cler imstar class he nun em mi e supe taff ostel calning tachec otel C ach ho 50 or uperint ostel <u>N</u> traine	k, UE nces, IV sta nber o ay be mber erinter Supe Offic d to ea clerk:- stel, v more tender	C or cne ff ma of cle appc of	r LDC works y be p rks is binted erks is may ondent One stitute C or the a ddition	accor hop at provided at leas as hea s six of be apport -cum-F for the actual s n to the	ding to tendant d. t three, d clerk. r more, binted. hysical hostel one for trength Hostel		
	additiona the circu and one Where th one of th Where th one offici Hostel Si i. Ho Tr att ii. Ho ea is St jii. Ho No. of the host	al cler imstar class he nun e nun e supe taff ostel costel C costel C costel C costel C costel C costel C costel N costel N traine	k, UE nces, IV sta nber o ay be mber erinter Supe Offic d to ea terk- stel, v more tender Aulti S res in	C or cne ff ma of cle appc of	r LDC works y be p rks is binted arks is may ondent One stitute c or a the a ddition reepe	accor hop at provided at leas as hea s six of be apport -cum-F for the actual s n to the	ding to tendant d. t three, d clerk. r more, binted. hysical hostel one for trength Hostel		
	additiona the circu and one Where th one of th Where th one offici Hostel Si i. Ho Tr at ii. Ho ea is St iii. Ho No. of the host 1 to 50 t	al cler imstar class he nun e nun e supe taff ostel ach ho 50 or iperint ostel N traine el traine	k, UE nces, IV sta nber o ay be mber erinter Supe Offic d to ea lerk stel, v more tender Aulti S nes in	C or cne ff ma of cle appc of	r LDC works y be p rks is binted arks is may ondent One stitute c or a the a ddition erson veepe	accor hop at provided at leas as hea s six of be apport -cum-F for the actual s n to the	ding to tendant d. t three, d clerk. r more, binted. Physical hostel bine for trength Hostel /kidar		
	additiona the circu and one Where th one of th Where th one offici Hostel Si i. Ho Tr att ii. Ho ea is St jii. Ho No. of the host	al cler imstar class he nun em mine nun e supe taff ostel aining tacheco taf ho sotel C ach ho sotel N traine el uperint ostel N traine el otraine	k, UE nces, IV sta nber o ay be mber erinter Supe I Offic d to ea i offic d to ea i lerk:- stel, v more tender Aulti S res in es	PC or one ff ma of cle appo of appo of app	r LDC works y be p rks is binted arks is may ondent One stitute c or a the a ddition reepe	accor hop at provided at leas as hea s six of be apport -cum-F for the actual s n to the	ding to tendant d. t three, d clerk. r more, binted. hysical hostel one for trength Hostel		

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		multimedia. The setup of the computer lab must have
		minimum ten computers / workstations and peripheral with internet facility irrespective of trade (s) or trade related computer
		requirement for an ITI up to seating capacity of 100 per shift, For each additional unit accredited/ affiliated, two computers / workstation must be added.
		II. The space norm to accommodate 10 computers for 100 trainees per shift is to be 25sq.m. and 2.5sq.m. for each additional computer.
		III. One computer instructor is required who will also look after the work of Audio-visual instructor. The Computer Instructor may be Graduate in
		Engineering <u>or</u> Graduate in Computer Science with atleast 1 year experience <u>or</u> Diploma in Computer Engineering with 2 years experience <u>or</u> NTC /
10		NAC in COPA with 3 years experience. The experience should be in a reputed Industrial concern or in a
10.	Audio-visual Instructor –Upto 10 units GI may be made responsible and paid extra remuneration @Rs 25 to Rs 50 per month. He may be assisted by a workshop attendant (AVA). One Audio-visual Instructor is thus required wherever there 20 units or more.	This post may be abolished. The responsibilities of Audio-Visual
11.	Employability Skills Instructors:	One full time instructor is required for 1000 seats & above and the qualification of the employability skill instructor will be BBA with two years experience or MBA.
		For seats less than 1000, the instructor can be outsourced / on contract basis.

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2. (i)	MechanicMachineToolMaintenanceOne When Six Units exit in an ITI inOne When Six Units exit in an ITI inthe following trades Machinist- Machinist- Turner- Tool & Die Maker- Jig & Fixtures- Die & Mould- Instrument MechanicMechanicMachineTool	Not mandatony. Can be out sourced
and a second	Maintenance One in each ITI working in Three shifts and having trades of Machinist and / or Turner if Mechanic Machine Tool Maintenance are otherwise not admissible.	
	MechanicMachineToolMaintenanceOne to be attached to an ITI with 600One to be attached to an ITI with 600seatsormoretotheStateDirectorate, of there is no such ITI.	Not mandatory. Can be out-sourced
(ii)	Maintenance Mechanic for Maintenance Section One for 15-30 numbers of equivalent machines. Two for 30-60 number of equivalent machines. Three for 60-90 number of equivalent machines and above. The Mechanic Machine Tool Maintenance and Maintenance Mechanic already appointed under the existing pattern to be taken into account and only one maintenance mechanic to be appointed for the present where three or less Maintenance Mechanics are admissible	Not mandatory. Can be out-sourced
(iii)	Mechanic Machine Tool Foreman One to be attached to an ITI with 600 seats or more.	Not mandatory. Can be out-sourced

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13. (i)	Typewriter and Office Machine Mechanic: One for each ITI where the trade of Stenography exists.	Both the posts may be abolished. If the post is filled up, person may be trained for PC maintenance.
	Note: A regular mechanic may be appointed only if the repair of 40-50 computers can be entrusted to him failing which a part time mechanic may be engaged but they should attended every alternate working day.	
- (ii	Farash-cum-Attendant: One for Stenography trade	

This is being issued with the approval of the competent authority.

Yours faithfully,

(Deepankar Mallick) Director of Training Member-Secretary NCVT

Copy to:-

- 1. Principal CTI Chennai, MITI Haldwani, Calicut, Jodhpur, Choudwar, NVTI, Noida and all RVTIs.
- 2. All Officers up to JDT level and above at DGE&T (HQ)
- 3. P. R. O., Ministry of Labour & Employment, Government of India for wide publicity.
- CEO, Quality Council of India, 2nd Floor, Institution of Engineers Building, Bahadur Shah Zafar Marg, New Delhi

(Amrit Pal Singh) Deputy Director of Training

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ATUL KUMAR TIWARI, IAS ADDITIONAL SECRETARY/ DIRECTOR GENERAL

दूरभाष : 25731102, 25731103 PHONE : 25731102, 25731103

प्रशिक्षण महानिदेशालय भारत सरकार कौशल विकास और उद्यमशीलता मंत्राालय नई दिल्ली–110001

DIRECTORATE GENERAL OF TRAINING GOVERNMENT OF INDIA MINISTRY OF SKILL DEVELOPMENT & ENTREPRENEURSHIP NEW DELHI-110001

Dated 05th April 2022

No. MSDE(DGT)-19/03(02)/2022-CD

Diay Colleagues, То

- 1. All State Principal Secretaries/ Secretaries/ of States/UTs dealing Skill Development Program
- 2. All States/ UTs Commissioners/ Director, Vocational Training / Skill Development,
- 3. The Directors, NSTIs & RDSDEs

Subject- Simplification of Workshop Calculation & Science (WCS) and Engineering Drawing (ED) syllabus of max. 40 hours each and merging with Trade Theory subject for all engineering trades. Applicable for current session also. Thus, students will not appear for separate ED/WCS Examinations in July/August 2022 Examinations-reg.

Sir/Madam,

With reference to VC meeting held under the Chairmanship of Secretary MSDE on 10th March 2022 at 12:00 Noon with the State/UT Principal Secretaries/Secretaries of Skill, Sector Skill Councils, Controller of Examinations, RDSDE's and NSTIs wherein simplification of Workshop Calculation & Science (WCS) and Engineering Drawing (ED) syllabus of max. 40 hours each merging with Trade Theory subject for all engineering trades was discussed vide agenda item no. 2 in the meeting and it was unanimously decided that:

- i. The revised simplified syllabus will be followed from the current session i.e. the trainees taken admission in year 2021-22 and trainees admitted in current session need not appear for separate examination for WCS and ED.
- ii. Separate supplementary examination will be conducted for WCS and ED for the ex-trainees.

Accordingly, State/UTs Directorates dealing with vocational training are kindly requested to issue necessary directions to Principals and Instructors of ITIs to organize workshop/ give wide publicity amongst trainees to encourage them as well as to enable implementations of above decisions.

The copy of revised syllabus of ED and WCS are annexed as Annexure-A and Annexure-B respectively.

Weth regards,

Yours Sincerely

(Atul Kumar Tiwari)

Encls: A/A

Copy to:

- 1. Sr. PPS to Secretary, MSDE
- 2. PPS to DDG, DGT
- 3. Director TT Cell to implement CBT accordingly,
- 4. All Directors at DGT (HQ), New Delhi
- 5. Director CSTARI and Executive Director, NIMI for necessary action please
- 6. IT Head, DGT with a request to upload on DGT website