

15 -ാം കേരള നിയമസഭ

3 -ാം സമ്മേളനം

നക്ഷത്ര ചിഹ്നം ഇല്ലാത്ത ചോദ്യം നം. 3537

26-10-2021 - ൽ മറുപടിയ്ക്ക്

പോളിടെക്നിക്കുകളിലെ ഇൻഡസ്ട്രി ഓൺ ക്യാമ്പസ് പദ്ധതി

ചോദ്യം		ഉത്തരം	
ശ്രീ. ജോബ് മൈക്കിൾ		Dr. R. Bindu (ഉന്നതവിദ്യാഭ്യാസ-സാമൂഹ്യനീതി വകുപ്പ് മന്ത്രി)	
(എ)	<p>സംസ്ഥാനത്ത് ഏതെല്ലാം പോളിടെക്നീക് കോളേജുകളിലാണ് "ഇൻഡസ്ട്രി ഓൺ ക്യാമ്പസ്" പദ്ധതി നടപ്പിലാക്കിയിട്ടുള്ളതെന്ന് വ്യക്തമാക്കുമോ;</p>	(എ)	<p>25.02.2019 ലെ സ.ഉ(സാധാ)നം. 319/2019/ ഉവിവ പ്രകാരം സംസ്ഥാനത്തെ എല്ലാ സർക്കാർ പോളിടെക്നീക് കോളേജുകളിലും (45എണ്ണം) Advanced Skill Development Centre (ASDC) സ്ഥാപിക്കുന്നതുമായി ബന്ധപ്പെട്ട് സർക്കാർ അംഗീകാരം നൽകിയിരുന്നു. ASAP CEO സമർപ്പിച്ച പ്രൊപ്പോസൽ പ്രകാരം ടി Advanced Skill Development Centre (ASDC) കളെ "ഇൻഡസ്ട്രി ഓൺ ക്യാമ്പസ്" പദ്ധതിയായി പ്രവർത്തിപ്പിക്കാൻ ആവശ്യമായ മാർഗ്ഗ നിർദ്ദേശങ്ങൾ 03.05.2021 ലെ സ.ഉ(കൈ) നം. 257/2021/ ഉവിവ പ്രകാരം സർക്കാർ പുറപ്പെടുവിച്ചിട്ടുണ്ട്. ഉത്തരവുകൾ 1,2 എന്നിങ്ങനെ അനബന്ധമായി ചേർക്കുന്നു.</p>
(ബി)	<p>പ്രസ്തുത പദ്ധതി നടപ്പിലാക്കുന്നതിനുള്ള മാനദണ്ഡങ്ങൾ എന്തെല്ലാം എന്ന് വ്യക്തമാക്കുമോ;</p>	(ബി)	<p>25.02.2019 ലെ സ.ഉ(സാധാ)നം. 319/2019/ ഉവിവ പ്രകാരം സംസ്ഥാനത്തെ എല്ലാ സർക്കാർ പോളിടെക്നീക് കോളേജുകളിലും (45എണ്ണം) Advanced Skill Development Centre (ASDC) സ്ഥാപിക്കുന്നതുമായി ബന്ധപ്പെട്ട് സർക്കാർ അംഗീകാരം നൽകിയിരുന്നു. ASAP CEO സമർപ്പിച്ച പ്രൊപ്പോസൽ പ്രകാരം ടി Advanced Skill Development Centre (ASDC) കളെ "ഇൻഡസ്ട്രി ഓൺ ക്യാമ്പസ്" പദ്ധതിയായി പ്രവർത്തിപ്പിക്കാൻ ആവശ്യമായ മാർഗ്ഗ നിർദ്ദേശങ്ങൾ 03.05.2021 ലെ സ.ഉ(കൈ) നം. 257/2021/ ഉവിവ പ്രകാരം സർക്കാർ പുറപ്പെടുവിച്ചിട്ടുണ്ട്. ഉത്തരവുകൾ 1,2 എന്നിങ്ങനെ അനബന്ധമായി ചേർക്കുന്നു.</p>
(സി)	<p>നിലവിൽ സ്വകാര്യ വ്യവസായ സംരംഭങ്ങളുടെ സഹകരണത്തോടെ നടപ്പിലാക്കുന്ന ഈ പദ്ധതിയിൽ പൊതുമേഖലാ സ്ഥാപനങ്ങളെ കൂടി ഉൾപ്പെടുത്തുന്നതിന് നടപടി സ്വീകരിച്ചിട്ടുണ്ടോ; ഉണ്ടെങ്കിൽ വിശദാംശം ലഭ്യമാക്കുമോ?</p>	(സി)	<p>"ഇൻഡസ്ട്രി ഓൺ ക്യാമ്പസ് "പദ്ധതിയിൽ പൊതുമേഖലാ സ്ഥാപനങ്ങളെ ഉൾപ്പെടുത്തുന്നതിനുള്ള പ്രൊപ്പോസൽ വരുന്ന മുറയ്ക്ക് പരിഗണിക്കുന്നതാണ്.</p>



GOVERNMENT OF KERALA

Abstract

Higher Education Department- Additional Skill Acquisition Programme- Administrative Sanction for procurement of equipments and setting up Advanced Skill Development Centres in Government Polytechnic colleges - Accorded - Orders issued.

HIGHER EDUCATION (C) DEPARTMENT

G.O.(Rt)No.319/2019/HEDN Dated,Thiruvananthapuram, 25/02/2019

Read 1 DDFS File no: 1710/2018
2 G.O.(Rt)No.2330/2018/HEDN Dated,Thiruvananthapuram,
30/12/2018

ORDER

Following the decision of the Empowered Committee, in principle approval has been accorded to CEO, Additional Skill Acquisition Programme for setting up Advanced Skill Development Centres (ASDC) in all the 45 Government Polytechnic Colleges as per the Government Order read above. A Committee was also constituted to assess the requirements of the Polytechnics.

Based on the inspection by the Committee, CEO, ASAP has now furnished a proposal for purchase of equipments amounting to Rs. 6.5 crores for setting up laboratories in the Government Polytechnics. The laboratories are proposed as industry relevant laboratories which shall function as mini or micro industry to promote the concept of 'Earn while you Learn' and 'Learning Through Experience' among the students. These laboratories shall function as the ASDCs. The skill sets so acquired shall increase the chances of their hiring and enable them to start ventures of their own. These laboratories can also act as venues for internship purpose.

Government have examined the matter in detail and are pleased to accord administrative sanction for setting up ASDCs in the form of industry relevant laboratories in the Government Polytechnic Colleges subject to the following:

1. All courses offered by ASDCs shall be aligned with NSQF skill levels required for the polytechnic students.
2. Training in the use of the equipment shall be conducted for the faculty and laboratory staff of the Polytechnics at the relevant Centres of Excellence developed in Engineering Colleges.

File No.HEDN-C4/177/2018-HEDN

3. Training partners like National Institute of Electronics & Information Technology (NIELIT) that offer level 3,4, and level 5 courses for polytechnic students and other reputed companies shall be selected for providing training with mandatory internship as part of it.
4. Faculty of polytechnics shall be encouraged to conduct relevant courses in the ASDCs
5. The laboratories set up as part of ASDCs in the Polytechnics shall be made available for raising revenue from local industry, wherever relevant, after college hours.
6. An agreement shall be signed with the respective colleges regarding the investment/facilities, fee to be collected from the students and sharing of revenue with institution and ASAP.
7. Communication and Life Skill module proposed by ASAP shall be conducted so as to impart soft skills such as willingness and capability to acquire new knowledge, critical thinking and problem solving, interpersonal communication including English assessment and certification is necessary and team building skills which are required to increase the chances of employability.

Administrative sanction is also accorded to ASAP for an estimated amount of Rs. 6.5 Crores(Rupees Six Crores Fifty Lakhs) for the procurement of the following equipments:

Sl. No.	Institutions	List of Equipments	Cost of equipments
1	Central Polytechnic College, Vattiyorkkavu	Robotics Lab	128000
		CNC Milling	3744700
		Regional FAB	3100000
2	Government Polytechnic College, Neyyattinkara.	Robotics Lab	128000
3	Government Polytechnic College, Nedumangad	Robotics Lab	128000
4	Women's Polytechnic College, Kaimanom,	Robotics Lab	128000
5	Govt: Polytechnic College, Attingal	Robotics Lab	128000
6	Govt. Polytechnic Punalur	Robotics Lab	128000
7	Govt. Polytechnic Ezhukone	Robotics Lab	128000
		Electronic Workbench	396850
8	Maharaja's Technological Institute, Thrissur	Robotics Lab	128000
		Total Station	1072500
9	Women's Polytechnic College, Thrissur	Robotics Lab	128000
		Electronics Workbench	396850
		3D Printer	125360
10	Sree Rama Govt: Polytechnic College, Thriprayar	Robotics Lab	128000
		Electronics Workbench	396850
		CNC Lathe	2744700
11	Government Polytechnic College, Koratty	Robotics Lab	128000
		Electronic Workbench	396850

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12	Govt: Polytechnic College, Kunnankulam	Robotics Lab	128000
		Electronic Workbench	396850
13	Govt: Polytechnic College, Chelakkara	Robotics Lab	128000
		Electronic Workbench	396850
14	Government Polytechnic College, Vennikulam	NIL	
15	Government Polytechnic College, Adoor	Robotics Lab	128000
		CNC Lathe	2744700
		Total Station	1072500
16	Govt: Polytechnic College, Nattakam, Kottayam	Robotics Lab	128000
		CNC Milling	3744700
		CNC Lathe	2744700
		Regional FABLAB	3100000
17	Government Polytechnic College, Kuduthuruthy	Robotics Lab	128000
18	Government Polytechnic College, Pala	Robotics Lab	128000
		Electronic WorkBench	396850
19	Women's Polytechnic College, Eranakulam	Robotics Lab	128000
20	Govt: Polytechnic College, Kalamassery	Robotics Lab	128000
21	Govt: Polytechnic College, Perumbavoor	Robotics Lab	128000
		CNC Lathe	2744700
		Regional FABLAB	3100000
22	Govt: Polytechnic College, Kothamangalam	Robotics Lab	128000
		Total Station	1072500
23	Government Polytechnic College, Nnedumkandam	NIL	
24	Government Polytechnic College, kumily	NIL	
25	Kerala Government Polytechnic College, Kozhikode.	CNC Milling	3744700
		CNC Lathe	2744700
		Regional FABLAB	3100000
26	Women's Polytechnic College, Kozhikode,	Robotics lab	128000
		Electronic Workbench	396850
27	Government Polytechnic College, Meppadi	Robotics lab	128000
		Electronic Workbench	396850
28	Govt: Polytechnic College, Mananthavadi	Robotics lab	128000
29	Govt: Polytechnic College, Meenangadi	Robotics lab	128000
		Electronic Workbench	396850
		Total Station	1072500
30	Govt: Polytechnic College, Kannur	TIG and MIG	417500
31	Government Polytechnic College, Payyannur	Electronic Workbench	396850
32	Govt: Polytechnic College, Mattannur	Robotics Lab	128000
		Regional FABLAB	3100000
33	EKNM Government Polytechnic College, Thrikkariapur.	Robotics lab	128000
34	Govt: PolytechnicS College, Kasaragod	Robotics lab	128000

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		CNC Milling	3744700
35	Government Polytechnic College & printing technology, Shornur	Robotics lab	128000
		Electronic Workbench	396850
36	Govt: Polytechnic College, Palakkad	Robotics lab	128000
37	Government Polytechnic College, Kayamkulam	Robotics lab	128000
38	Govt: Polytechnic College, Cherthala	Robotics lab	128000
		Regional FABLAB	3100000
39	Women's Polytechnic College, Kottakkal	Robotics lab	128000
40	Government Polytechnic College, Thirurangadi,	Robotics lab	128000
		Electronic Workbench	396850
41	Govt: Polytechnic College, Manjeri	Robotics lab	128000
42	Govt: Polytechnic College, Perintalmanna	Robotics lab	128000
43	Govt: Polytechnic College, Muttom	Robotics lab	128000
		Electronic Workbench	396850
		TIG and MIG	417500
		Total Station	1072500
44	Government Polytechnic College, Purappuzha	Robotics lab	128000
45	Government Polytechnic College, Vechoochira	NIL	
		Total	64045060

ASAP should follow Store Purchase Rules for the procurement of the above equipments. The expenses shall be met form the BH.2202-03-105-97-02.

(By order of the Governor)
DR. USHA TITUS
PRINCIPAL SECRETARY

To:

The Chief Executive Officer, Additional Skill Acquisition Programme.
 The Accountant General (A&E/Audit), Kerala, Thiruvananthapuram.
 Finance Department.
 Stock file/ Office Copy

Forwarded /By order

sd/-
 Section Officer

**GOVERNMENT OF KERALA****Abstract**

Higher Education Department- Additional Skill Acquisition Programme Kerala- Management of "Industry on Campus" established in Polytechnic Colleges- guidelines approved -Orders issued.

HIGHER EDUCATION (C)DEPARTMENT

G.O.(Ms)No.257/2021/HEDN Dated,Thiruvananthapuram, 03/05/2021

Read 1 G.O.(Rt)No.2330/2018/HEDN dated 30.12.2018

2 G.O. (Rt) 319/2019/HEDN dated 25.02.2019

3 G.O.(Rt) 2186/2019/HEDN dated 09.12.2019

4 DDFS file no ASAP/ASDC/ 491/2020 dated12.11.2020

ORDER

As envisioned by the Government to implement Industry on Campus, Additional Skill Acquisition Programme(ASAP) has set up higher end industry level laboratories in Advanced Skill Development Centers (ASDC) at Polytechnics across the State. The initiative is intended to instill the spirit of industry dynamics, drive technology and business innovation among the students. The Chief Executive Officer, ASAP has submitted a proposal for issuing specific guidelines to uphold, govern and administer such centres to fulfill its objectives as Industry on Campus.

Government have examined the matter in detail and are pleased to approve the guidelines, appended to this Order, for governing the Advanced Skill Development Centres to function as facility for Industry on Campus programme.

(By order of the Governor)

VIJAYAKUMAR.R
ADDITIONAL SECRETARY

To:

The Chairperson and Managing Director, ASAPK, Thiruvananthapuram

The Director of Technical Education, Thiruvananthapuram.

The Accountant General, A&E/Audit, Kerala, Thiruvananthapuram.

No.HEDN-C4/177/2018-HEDN

Finance Department (vide UO no. 1735034/EDN-C2/135/2021-Fin dated 19.04.2021)
Higher Education (L) Department
www.highereducation.kerala.gov.in
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Section Officer

Industry on campus

Government envisioned Industry on Campus (IoC), and in order to facilitate and foster such a culture in institutions, Government also accorded administrative sanction to procure equipment to facilitate that spirit. Accordingly, Additional Skill Acquisition Programme established higher end industry level laboratories in the Advanced Skill Development Centers established at Government Polytechnic colleges. The initiative is intended to instill the spirit of industry dynamics, drive technology and business innovation among the students. As industry on campuses have been established, the management of such centers need to be looked after, wherein a specific guidelines is required to uphold , govern and administer such centers to fulfill its objectives.

1. Industry On Campus: Objectives

The main objective is to induce practical application of the theoretical aspect and to inculcate an entrepreneurship and product innovation among the students, by giving exposure to the real industry atmosphere in the institution imbibing the spirit of 'Earn While You Learn'.

2. IoC Roll-Out

As a concept and to implement in the practical realm, the IoC is intended to adopt Phased Manufacturing Program, in association with relevant industries, complimentary to the academics. The Additional Skill Acquisition Programme under Higher Education Department is authorized to evolve the model of IoC by tapping relevant industries in association with the institution concerned to the level of Mini Production Centers (MPC), Micro Production Units (MPU) and Independent Production Houses (IPH). The existing lab facilities were upgraded to the level of production unit by supplementing equipment through the Additional Skill Acquisition Programme. Such IoC production centers have the twin objectives of extending internship / hands on experience to the students in their academic endeavors and to evolve as a mini/ micro/ independent production center on industry requirements.

3. IoC -Orientation

IoC is oriented in a phased manner based on the infrastructure and industrial lab facilities provided at the institution at 3 levels- Micro Production Units (MPU), Mini Production Centers (MPC) , and Independent Production Houses either with or without the engagement of industrial partners. As and when industrial partners are engaged, a tripartite agreement shall be executed with the Principal of the institution, representative of the industry and the representative of ASAP. The Additional Skill Acquisition Programme shall prepare the agreement considering the level of engagement of the parties concerned.

5. MANAGEMENT OF IoC

The management of the IoC is vested with the Governing Committee and the Management Committee constituted for the purpose.

- Governing Committee: The Governing Committee of IoC is constituted with the following members.
 - 1 The Principal Secretary/ Secretary, Higher Education Dept, GoK (Chairperson)
 2. Chairperson and Managing Director, ASAP
 - 3 The Director, Department of Technical Education
 4. Director Administration, ASAP
 5. Head ASDC Division, ASAP
 6. State Coordinator (Polytechnic), ASAP (Convener)
 7. Principal - Central Polytechnic Thiruvananthapuram, GPC Kottayam, GPC Perumbavoor, GPC Cherthala, KGPT Kozhikode, GPC Mattannoor.
 8. Programme Manager, ASDC Division (in charge of IoC), ASAP

The Governing Committee is responsible for all the policy decisions of IoC and all those powers which are not delegated to the Management Committee.

- Management Committee: The management and the day to day affairs of the IoC at the institution level is vested with the Management Committee constituted for the purpose with the following members.

1. The Principal of the institution wherein IoC functions - Chairperson
2. Nodal Officer - IoC
3. Project Officer of IOC
4. One faculty/ technical staff member nominated by the Chairperson.
5. District Programme Manager, ASAP
6. Programme Manager in charge of the institution, ASAP- Convener
7. Two Industry representative associated with IoC
8. Representative of ASAP nominated by Head ASDC.

6. Role of ASAP - Defined

Since the IoC is being established in an institutional ambience, and to ensure relative ease of transactions, the Additional Skill Acquisition Programme is engaged as an entity to facilitate, manage, regulate external and internal flow of production, ensure industry association, develop a trained pool of faculties/ professionals/ mentors and manage accounts & transactions of IoC as a separate entity for ease of business.

7. Revolving Fund

A corpus fund of Rs.50 Lakhs shall be provided by the Additional Skill Acquisition Programme to meet incidental, exigency, working (capital) and other expenses including development of professional pool related to IoC. The expenses at each center should be recouped to the revolving fund once the centers generate income.

8. Training, Internship and Testing Centers at IoC

Since IoCs are functional as separate entities and are capable of extending training and internship, the facility could also be used for the purpose as per the guidelines in this regard and as mandated in NSQF. If it is extended as a platform to the level of the training center, the onus of the program and certification rests with the training partner.

As a separate entity, the testing facilities and services are being provided to the public and other beneficiaries at a reasonable charge as fixed by the IoC.

9. Revenue sharing Model on IoC

Since IoC is a functional entity within an institution, a separate book of accounts should be maintained at the center under the aegis of ASAP. As an independent entity, a revenue sharing model is evolved apportioning 50% of the revenue (net income) to the students engaged in IoC 10 % to the faculty engaged, 10% to the institution concerned for furtherance of IoC and 30 % to the facilitator, the Additional Skill Acquisition Programme, to meet their overhead expenses.

Since IoC is multi-dimensional in its objectives, such centers, when facilitating training and testing centers, the revenue sharing model is evolved, apportioning 20 % of the revenue (net income) to the students, 30 % to the faculty, 20 % to the institution for furtherance of ioC and 30% to the facilitator, the Additional Skill Acquisition Programme, to meet the expenses on mobilization of training and other overhead expenses.

10. IoC Management Routine

The Principal of the institution wherein the IoC function shall assign the Nodal Officer ASDC as the **Nodal Officer** of IoC. The nodal officer shall be eligible for an honorarium fixed from time to time, subject to the condition that no separate honorarium will be paid each of the additional charges under the programs of ASAP.

1. The Programme Manager shall be the person responsible for organizing, coordinating, executing and monitoring all the activities of IoC in association and in consultation with Principal, the Nodal Officer and the faculty concerned.
2. The Programme Manager shall furnish periodic reports as insisted by Additional

Acquisition Programme, including the statement on financial transactions, with a copy to the District Programme Manager.

3. The District Programme Manager shall furnish monthly status reports of all the IoCs in the district and assign grades to the IoCs after thorough scrutiny of the financial transactions and general functioning of each center. Any shortcomings should be clearly mentioned in the report with practical solutions.

4. Since activities of the IoCs has to be coordinated and managed effectively, it is highly desirable that the fab lab and other equipment shall be installed and housed in a separate area / room/ space properly, as allocated by the Principal of the institution. While installing, maintaining and utilizing the equipment, the best practices of lean manufacturing/ production methodology should be adopted and followed. However all the lab facilities and equipment available with the institution shall effectively be utilized to make the IoC as a full-fledged production, training and internship center. The Principal shall select a faculty who is self-motivating, conversant with the IoC and capable of managing the unit on par with industry standards and assign him/her as Project Officer of the unit.

5. The Programme Manager concerned shall function as finance officer to the center responsible to deal with all the financial transactions of the center as a separate entity, maintains cash book and other book of accounts. The Project officer shall supervise such transactions and the Nodal officer shall monitor such transactions in all such units in the institutions and is the countersigning authority of cash book and other book of accounts.

6. The book of account of each center shall be accessible for auditing/ scrutiny by ASAP or any agency engaged by ASAP.

7. The equipment supplied by ASAP shall be taken into the stock of the Polytechnic College concerned and the original invoice with sufficient certification and authentication by the principal shall be sent to ASAP. The certificate should specifically mention the reference in the stock register. The Principal of the institution shall maintain the equipment properly.

10. Since the Government envisages maximum utility of the equipment to impart training and as a production center of the IoC, the training program of ASAP if required can also utilize such equipment without detrimental to the regular academics and functions of the IoC and in consultation with the Principal.