

**State-of-the-art Technical and Vocational
Education and Training Center**

KULHUDHUFFUSHI CITY

Introduction

Technical and Vocational Education and Training System (TVET system) of Maldives is a *demand driven, accessible, beneficiary financed and quality assured* system, which meets the needs of the industries for the stability and socioeconomic growth of the country.

To assure the quality of workmanship and to increase the local productivity, a competent and reliable workforce of both young women and men need to be made active. Number of young people trained with employable skills needs to be increased. Equal opportunity to explore, experience various fields of work and to obtain skills, knowledge, and attitude to continue mastering new technologies needs to be provided to all.

Hence, to make this a reality, institutes with state-of-the-art training facilities with qualified instructors needs to be established. The purpose of this document is to highlight the facilities required to commence operations of technical training institutes to be established in selected regions of Maldives.

Definition of State-of-the-Art TVET Institutions:

Rebranding Technical and Vocational Education and Training (TVET) to make it attractive to the youth is a widely discussed topic globally, and in Maldives. This is necessary because of the role technical and vocational skills is expected to play in reducing the increasing rate of unemployment and under-employment among the youth.

Main objectives of government's initiative to establish state-of-the-art TVET Institutes are to attract youth for skills programs, to develop a skilled workforce by offering industry driven courses with modern facilities and resources. Students will have opportunities to explore their innovative ideas, create, and experiment their business ventures with the help of mentors and support from the established inhouse services centers.

Courses offered in the State-of-the-Art TVET Institutes will starting from MNQF level 1 to 6, that is up to Advanced Diploma. Students who graduate from State-of-the-Art TVET Institutes will be able to go for higher levels of courses offered at the local and international universities.

All programs conducted in the State-of-the-Art TVET Institutes will be MQA approved programs. Students will be able to join their interested programs in all levels.

An **Aptitude assessment** will be conducted to all students enrolling in the TVET Institutes.

Literacy and numeracy modules will be taught as a core module for the students who do not pass through the pre-assessment exercise.

The programs offered in the three locations will be based on the industries and services available in the regions.

Location

H.Dh Kulhudhuffushi

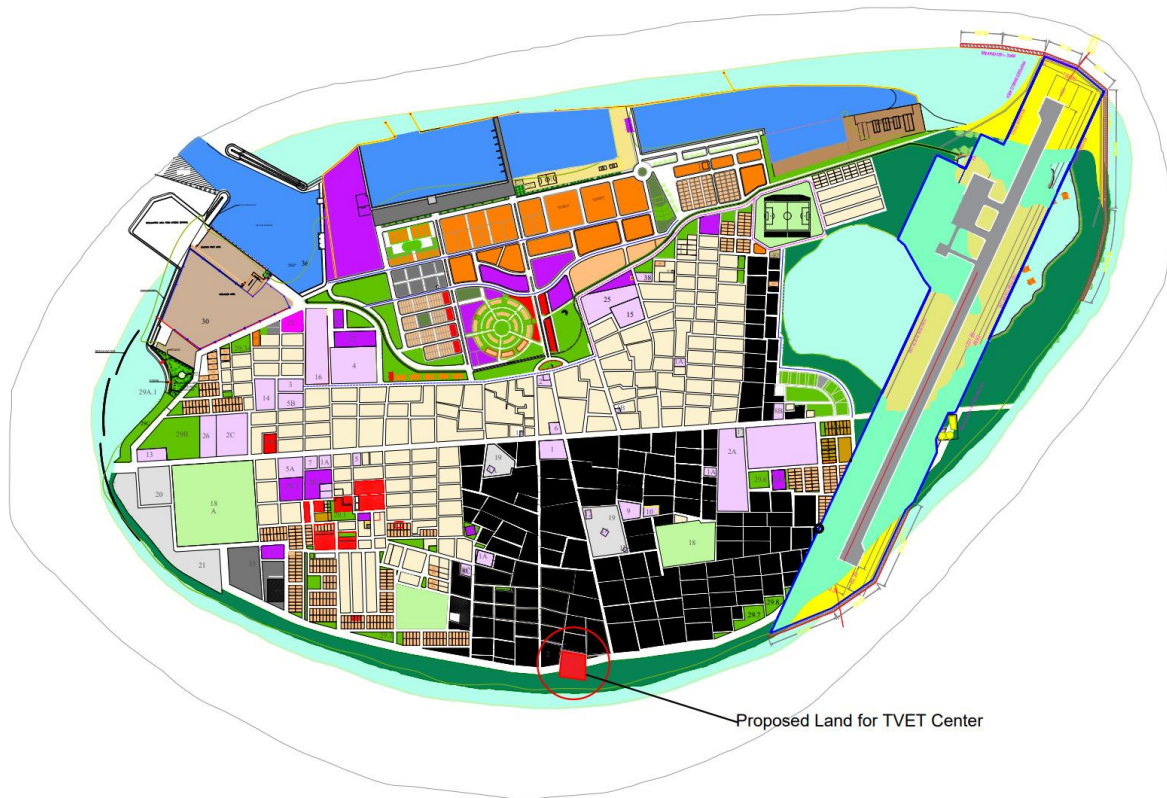



Fig 1: Proposed Land for TVET Center, Kulhudhuffushi City

SECRETARIAT OF THE KULHUDHUFFUSHI CITY COUNCIL
TITLE:
SITE PLAN - PROPOSED LAND FOR TVEC AND COMMUNITY PARK
DRAWN BY:
IA - CIVIL AND CONST ENG
DATE:
19TH JUNE 2021
SCALE
1:500


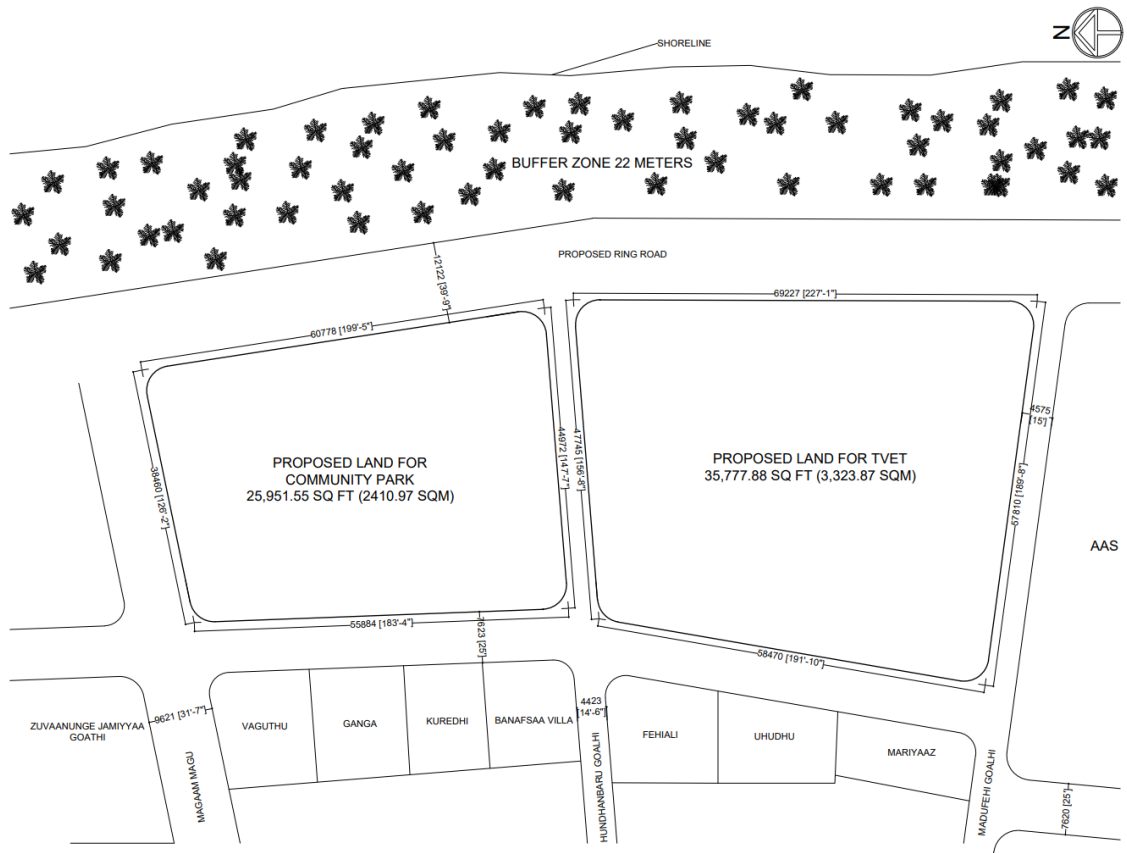


Fig 2: Site Plan – Proposed Land for TVET, Kulhudhuffushi City

Plot area available for the construction and development of TVET Center and Accommodation Block in Kulhudhuffushi City is **35,777.8** square feet (sq. ft).

Proposed Programs

Technical and vocational training programs can be offered in various different areas. The *courses* offered at the State-of-the-Art Centers could be as follows.

Electricity and energy

- *Air-conditioning trades (installation and maintenance)*
- *Climate engineering*
- *Electrical appliances repairing*
- *Electrical engineering*
- *Electrical fitting*
- *Electrical power generation*
- *Electrical trades*
- *Energy studies*
- *Gas distribution*
- *Heating trades (installation and maintenance)*
- *Nuclear, hydraulic and thermal energy*
- *Power line installation and maintenance*
- *Power production*
- *Refrigeration*
- *Solar energy*
- *Solar power*
- *Wind turbines*

Mechanics and metal trades

- *Bicycle production*
- *Bicycle repair*
- *Boilermaking and welding*
- *Gunsmithing*
- *Hydraulics*
- *Locksmithing and safe repairing*
- *Mechanical engineering*
- *Mechanical trades*
- *Metal casting and patternmaking*
- *Metal fitting, turning and machining*
- *Metal trades programmes*
- *Metallurgical engineering*
- *Metallurgical technology*
- *Micromechanics*
- *Precision mechanics*
- *Sheet metal working*
- *Steel production*
- *Tool and die making*
- *Watchmaking*
- *Welding*

Fine arts

- *Aesthetics*
- *Art history*
- *Art studies*
- *Art theory*
- *Calligraphy*
- *Drawing (artistic)*
- *Etching (artistic)*
- *Fine art printmaking*
- *History of art*
- *Lithography*
- *Painting (art)*
- *Philosophy of art*
- *Sculpture*
- *Sketching (art)*

Information Communication Technology

This facility provides the trainees with the opportunity to receive training related to the creating, installing and repairing electronic devices, and installing and repairing devices related to Information Communication Technology. Students will explore their creativity and innovations through industry linkage programs and self-research assignments, which will allow the students to exhibit and market their products publicly through incubations centers.



Facilities

Student Service Area

Student services area comprises of Care Center and Activity Center

Care Centre

This centre provides in-house counselling services for trainees and staff in a professional manner. The main objective of this centre is to develop the psychological, social, developmental and learning skills of the trainees. The centre provides holistic services to the trainees and staff of the institute by facilitating individual and group counselling sessions, motivational and experience sharing talks and workshops to develop communication and leadership skills of the trainees.

This is where the counsellors provide a safe and comfortable environment for the trainees to openly express their feelings or any issues that trouble them and receive professional help.



Career Services

Career guidance services provides information and guidance about the career pathways, career development methods and information of the different fields of careers available locally and globally.

Administrative Services

Administrative services aim to provide a one-stop service for trainees to receive information about administrative matters such as student passes, student lockers, fees and financial matters.



Academic Staff Room

It is a typical office space with work stations for lecturers. It may refer to a communal work area where lecturers have their desk, comfortable chairs, cabinets and prepare lessons if they do not have a personal office, or may be a common room where teachers and/or school staff can relax, discuss work, eat, drink and socialize while not in class. Academic staff room shall be able to accommodate 18 lecturers.



Smart Classrooms

Classrooms designed with the capacity to accommodate 20 trainees at a time. These classrooms are equipped with Wi-Fi connectivity, configurable tables and chairs, portable poster holders, smart boards, digital sound technology and smart televisions.



Conference/ Seminar Hall

- 50 pax Capacity
- Sound system with mic and Audio /Video

Technical and Vocational Training Laboratories/Workshops

These are Technical and Vocational training laboratories or workshops meant for practical activities and hands-on experience for trainees. These labs can vary from institute to institute depending on the proposed curriculum. Each laboratories or workshops should be equipped with proper facilities, tools and machineries to conduct practical trainings for at least 15 students at a time.

- Mechanics and metal trades
- Electricity and energy
- Fine Arts
- ICT Laboratory

Further vocational training facilities can be added as preferred by the investor.

Sports Complex

Sports Complex consists of indoor and outdoor sports area. The indoor facilities can accommodate Badminton, Table Tennis, Billiard, Chess and Carrom while the outdoor area provides space to play games like, basket, volley, futsal, netball and hand ball.

The flexible usage of the open field for sports and games, helps to increase interest in sports as well as promotes health and fitness for trainees.



Activity Centre

This is an informal learning area. It is where the trainees gather to play, learn or collaborate. Trainees are welcome to book various facilities and equipment such as meeting rooms, foosball tables, pool tables, board games and digital games. These games aim to promote interaction and discussions among trainees.



Gym

The gym is intended for trainees of Sports and Fitness related programs. It contains equipment for health and fitness performance and assessments that are aligned to the industry standards. Access to public shall be granted on paid basis, this will raise fund for Gym maintenance.

Meeting Rooms

- Meeting rooms of different sizes: small, medium and large for different occasions

Accommodation Block

This facility provides accommodation for 100 students. Accommodation block must be housed in a separate building.

- Each room will accommodate 2 people.
- AC rooms with attached bathroom.
- Every trainee will be provided with a single bed, wardrobe and a study desk.
- Common kitchen, dining area and laundry facility for every floor.
- Security, storage and maintenance room.
- Management Office
- Cafeteria (food catering services to students/staffs accommodating at the university and accommodation block)

Other Facilities within the campus

Prayer Rooms

- Prayer rooms with ablution area for both men and women separately.

Toilets / Showers

- Two toilets in every floor for trainees and for staff. One set of showers for every workshop for trainees to use to clean themselves after workshop sessions.

Security

- CCTV coverage of all critical locations within and outside. A control room for security personnel.

Storage Facility

- Storage of tools, equipment and consumables used at workshops to be safely stored for further use.

Lockers

- Facility to store personal belonging like books, stationaries and etc.

Landscaping

- Landscape design of investors choice to create an outdoor oasis, from florals to canopied pathways.