

USE OF UPGRADED CONSTRUCTION MANAGER SOFTWARE FROM FISCAL YEAR 2020-2021

(Software for project planning, contract administration and project monitoring)

The Department of Engineering Services, Ministry of Works and Human Settlement, has upgraded Construction Manager Software which was previously developed by School Planning and Building Division, Ministry of Education, in 2002.

This software is used in project planning, contract administration and project monitoring. It helps in preparing estimates and analyzing rates, preparation of running account bills and monitor both physical and financial progresses of the project. The objective of upgrading this software is to simplify the many processes involved in construction such as cost estimation, generation of running account bills, work planning, progress reporting, resource forecasting and thereby:

1. **Professionalize the construction sector:** The introduction and uniform application of this software will assist in drawing the construction sector closer to instituting the best and common practices. This software will establish a systematic approach to planning and implementation thereby ensuring quality, cost effectiveness and timely execution of a project.
2. **Establish a common platform for all the engineers in the construction industry:** The Construction Manager Software (CMS) will set a common platform and establish uniform standard operating system for project planning and management.
3. **Enhance transparency and accountability:** This software will greatly reduce room for manipulations and unscrupulous practices. All the transactions will be done automatically after entering the measured quantity of works which cannot be altered thereby maintaining accountability and transparency.
4. **Phase out the measurement book:** The long time practice of maintaining measurement book will be replaced by the use of Construction Manager Software starting fiscal year 2020-2021. It is expected that all the engineers will adopt using the CMS. This is one of the resolution of 10th Engineers, Architects and Planner's conference held at Pangbang, Zhemgang from 29th to 31st December, 2019.
5. **Provide adequate time for site supervision:** The digital recording of work measurement would save a lot of time for the engineers concerned. The time gained from this can be utilized for better site supervision and monitoring thereby improving the work quality and service delivery.

The Ministry has so far trained over 660 government Engineers and some officials from RAA on the usage of CMS. Besides, it will be helpful for the contractors and related officials especially to prepare the estimates and rate analysis. After numerous trainings and feedback received from the users, the software eventually took the desired form.

Therefore, the Ministry hereby mandates all the agencies within MoWHS, Dzongkhags, Thromdes and Regional Offices to use CMS starting from financial year 2020-2021. We would also like to recommend other procuring agencies, corporate and private sectors to adopt using the CMS and should there be requirement to train on the software, the Department of Engineering Services, MoWHS will provide any professional support.