

Name of work : UP-GRADATION OF GOVT. ITI KATTAPPANA ON PAR WITH INTERNATIONAL STANDARDS
PH-1,ANNEXURE-2- ELECTRICAL, ELV, FIRE & HVAC WORKS
ESTIMATE REPORT

ESTIMATE REPORT FOR UPGRADATION OF KATAPANNA ITI TO INTERNATIONAL STANDARDS,PHASE-1,ANNEXURE 2: ELECTRICAL WORKS, ELV, HVAC AND FIRE FIGHTING WORKS This estimate has been prepared based on DSR 2016 with the corresponding Cost Index (48.71 %) as published by Government of Kerala for Idukki. This estimate has been prepared as annexure to Main estimate EST NO:2019/5831 for the Phase I works approved for funding by KIIFB and shall comprise of mechanical and electrical components proposed as:-1. Electrical system includes the supply, installation, testing and commissioning of new 160 KVA DG set, MSB with changeover ,earthing, LV panels, cabling (HT and LV), DB and accessories, light and fan fixtures, external lighting etc. as per KEI rule. Electrification is considered for proposed Main building, front security cabin & external lighting.2. ELV system includes CCTV, PAS, LAN, Telephone and interactive boards.The existing (9 no's) smart classrooms are provided with LAN, CCTV, PAS, interactive board, projector and biometric attendance system.3. HVAC system is provided for only Principal room in the Main building with 2TR split unit. Ventilation for toilet is done by exhaust fans.4. FIRE FIGHTING system for proposed main building is provided as per NBC 2016. Terrace pump with down comer system, fire hose reel, fire hose cabinet, fire extinguishers & fire brigade inlet is provided for the buildings. 10KL steel OH Tank is given for main building as fire tank. The items mentioned as 2019 Fire DSR & AOR has been multiplied by cost index of 1:2854.Please find the attached estimate of current construction cost of this project totalling Rs 67,05,492 exclusive of GST and this amount will indent to carried forward to main estimate no EST NO: 2019/5831.