



- BACKUP SOLAR SYSTEM NOTES:**
- HYBRID SYSTEM BATTERY RACK AND INVERTER TO BE INSTALLED INSIDE THE INTERNAL STADIUM. FINAL LOCATION TO BE AGREED ON WITH LCEC:
- 1. NOMINAL 30A OVER 6HRS.
  - 2. NUMBER OF BATTERIES IN SERIES: 24
  - 3. NUMBER OF BATTERIES IN PARALLEL: 1
  - 4. BATTERY VOLTAGE ~ 2V
  - 5. TOTAL BATTERY VOLTAGE: 48V
  - 6. SYSTEM TO BE CHARGED FROM THE PV PANELS (ARRAY 1).
  - 7. SYSTEM TO FEED SEGREGATED LOADS ONLY.
  - 8. BATTERY DIMENSIONS (LxWxH): 21.5x27.7x85.5cm;
  - 9. BATTERY WEIGHT: 111KG MAX;
  - 10. BATTERIES RACK SHALL BE MADE OF STRUCTURAL STEEL TUBE 40mmX40mmX3mm;
  - 11. RACK WEIGHT ~ 170 KG;
  - 12. RACK APPROXIMATE DIMENSION (LxWxH): 180x100x220cm.
  - 13. LITHIUM BATTERY TO BE INSTALLED IN ELEVATOR ROOM


- INDOOR AIR QUALITY SYSTEM GENERAL NOTES:**
- THE SCOPE OF WORK SHALL INCLUDE:
- 1. INSTALLATION OF PREVIOUSLY PROCURED INDOOR AIR QUALITY SENSORS.
  - 2. CONNECTION OF THE DEVICES TO THE NEAREST POWER PLUG, AS SHOWN ON THE DRAWINGS, CONFIGURATION AND SETUP THRU WIFI.
  - 3. ADDING ACCESS POINT/ WIFI EXTENDER (AS OPTIONAL) TO ENSURE PROPER WIFI COVERAGE WHERE NEEDED FOR THE PROPER OPERATION OF THE SYSTEM.
  - 4. THE CONTRACTOR SHALL PROVIDE, UNDER FULL RESPONSIBILITY, ALL COORDINATION WITH THE SUPPLIER FOR A PROPER AND GOOD OPERATION OF THE SYSTEM.
  - 5. THE IAQ DEVICES SHALL BE INSTALLED ON WOODEN SHELVES.
  - 6. TOTAL OF 12 SENSORS TO BE INSTALLED IN THE FOUR FLOORS OF THE SCHOOLS, IN AN EQUAL WAY AS MUCH AS POSSIBLE.
  - 7. MONITORING OF THE AIR QUALITY PARAMETERS.
  - 8. THE IAQ "IS" SHALL BE INSTALLED IN THE CRITICAL AREAS: LAB, ADMIN, CONFERENCE ROOM, HALL, CORRIDORS, AND CLASSROOMS.
  - 9. IS SENSORS SHALL BE INSTALLED NEXT TO AN EXISTING POWER PLUG.
  - 10. IS SENSORS SHALL BE CONFIGURED THRU WIFI ACCESS POINT (TO BE PROVIDED AS OPTIONAL).

NOTES:

LEGEND:

REVISIONS:		
REVISION NO.	DESCRIPTION	DATE
0	ISSUED FOR EXECUTION	20-04-23

CONSULTANT:



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CLIENT:

GIZ

PROJECT DESCRIPTION:

ROOF PV SYSTEM  
ZEBDINE

DRAWING TITLE:

ELEC ROOM & IAQ SENSORS & WS

PROJECT PHASE:	DRAWING SCALE:	DRAWING DISCIPLINE:
EXECUTION	NTS	ELECTRICAL