



- 1) We have doubt regarding GEAR DESIGNING, whether we have to design or buy the gear box and also the type. Also we have doubt regarding GEAR DESIGNING. Whether we have to design or to buy as well as types? Should we manufacture the gear ourselves or buy from market?

Ans. The teams have to design the gearbox like ratios, torque, and material selection in the design report. Later it can be either manufactured or procured from the market.

- 2) Is there any pre selection stage before the construction of tractor?

Ans. There is no virtual screening. All the teams will be allowed to participate.

- 3) Will you please explain about the purpose and the use of the tractor that we are going to design? Because for fields only 3 cylinder tractors are efficient?

Ans. The purpose of the tractor is to pass the test requirements and enhance the student knowledge (refer rulebook)

- 4) For display theme are three tractors available, which the most preferred model?

Ans. Models are just example. Your design is the best design.

- 5) We are all mechanical students we need some more materials about electrical. We need more information about electrical system?

Ans. Most of the points related to electrical are touched in the electrical workshop. Any specific queries please email TDC.

- 6) We want the details about which are the parts to be manufactured by us?

Ans. Refer rule book

- 7) We need the information about the design is made with which of the modelling package?

Ans. Any available modelling package is allowed.

- 8) What are the departments that have to be included in design report?

Ans. Refer rulebook.

- 9) How to find speed distribution of each gear (any thumb rule)?

Ans. Will be briefed in the transmission workshop

- 10) Is Power Take Off allowed?

Ans. Not required for this competition.

- 11) What is the distance between kill switch & hitch? Because only it is given in annexure but dimension is not shown (rulebook 2.0)?

Ans. There is no specific distance between kill switch and hitch. But kill switch should be placed behind the driver seat with convenient access.

- 12) Please update more details about iso 5395-3? How to get iso 5395-3 copy? Which is freely available or not? If copy is payable, then how much cost of iso 5395-3 copy?

Ans. Printed copy will be given by SAEISS

- 13) Update driver criteria?

Ans. Refer section 2 – points 5,6

- 14) Tractor is an agriculture vehicle, then do we need to design hydraulic system or not?

Ans. Hydraulic system is NOT needed for this competition



- 15) Update dimensions of driver seat?
Ans. Any commercially available tractor seat is ok there is no constraint in the rulebook.
- 16) If cost analysis section, submission of all quotation of receipt/bill of material is required or not, if required how to submit it (scan copy etc)
Ans. Refer Rulebook Section 10 – 1.3
- 17) Is there a limit to the numbers of sensors used?
Ans. There is no limit in using sensors
- 18) What are the electrical parts provided from SAEISS?
Ans. Engine sensors will be provided Simpsons & Co on behalf of SAEISS
- 19) What gauges are necessary?
Ans. There is NO mandatory gauges requirement.
- 20) What are the compulsory sensors that have to be used?
Ans. All sensors related to engine functioning is compulsory like temperature sensor, throttle position sensor, RPM sensor, etc. And any other sensor mentioned in the rulebook.
- 21) Please send more information (material which may help for designing and manufacturing)
Ans. Who ever attended manufacturing workshop are shared with materials through google drive.