



Clarifications on the Tender “Purchase of equipment and supplies for the SHEL project (FCH-JU-2009-1 256837 SHEL)”

The following are clarification to queries of potential tenders:

- a. We are looking for five (5) fuel cell (FC) complete systems units suitable for FLT application with FC Nominal power ≥ 4 kW and energy storage system consisting of either batteries or ultracapacitors to cover the power peaks. Thus, one may provide either a higher power FC system (≥ 10 kW nominal power) or a combination of a lower power FC with batteries/ultracaps for covering all peaks.
- b. Cumitas & UNIDO-ICHET have already developed one (1) prototype FC FLT utilizing a Hydrogeninics FC and this is what is mentioned at the reference framework. In the context of the current bid we are looking for any FC complete system to be integrated in new FLTs. Regarding the 1.6 tn reach truck type FLTs we are going to use the Toyota RRE160E reach truck model, while for the Class I counter balanced type FLTs we have the option to choose between the J series four wheels electric models EP CPD25J & EP CPD30J depending on the FCs voltage (CPD25J works at 48V while CPD30J at 80V). In particular, we are looking for:
 - i. 2 (two) FC complete systems featuring a suitable power output to feed a reach truck FLT capable of handling a load of 1.6 tons (**Toyota RRE160E model** - Batteries dimensions LxWxH (mm): 1210x347x784; batteries weight (kg): 951);
 - ii. 3 (three) FC complete systems featuring a suitable power output to feed a class I FLT capable of handling a load of 2.5 tons (**EP CPD25J model** - Batteries dimensions LxWxH (mm): 1028x570x780); **EP CPD30J model** - DIN standard 43536A for 80V battery type truck).

The complete FLTs specifications regarding the EP models can be downloaded at <http://www.ep-ep.com/download.aspx?cid=22>.

Front Toyotas point of view, **dimensions and weight are the two most important parameters that should comply by the bidder.**

Table below summarizes the most important parameters regarding the FLT models.

		1.6 tons (Toyota reach truck Model: RRE160E)	2.5 tons (EP CPD25J model)	3.0 tons (EP CPD30J model)
Max Power Output	Traction consumption:	7,5 kW	10.5 kW (Driven motor/S 60min)	10.6 kW (Driven motor/S 60min)
	Elevation consumption:	11 kW	11 kW (Pump motor /S 150min)	12.8 kW (Pump motor /S 150min)
Output Voltage		48 V	48 V	80 V
Battery	Dimensions LxWxH (mm)	1210x347x784	1028x570x780	DIN standard 43536A
	Weight	951 Kg	998kg	DIN standard 43536A
Remark		Voltage: 48 V	Voltage: 48 V	Voltage: 80 V

- c. Paragraph 4.3.1 “Documentation of Economic and financial capacity” (page 34 of the tender doc) states that: “Tenderers must demonstrate sufficient financial resources. Specifically, in their proposal they shall: ...**Must have an average turnover of the three (3) recent fiscal years (for the years 2009, 2010, 2011) greater than 120% of the project’s budget. If the bidder is active for less than three financial years, then the average turnover for those fiscal years involved should be greater than 150% of project’s budget**”. In case that in the country of the candidate Contractor this is not an applied rule under its national law-book, then this documentation should be replaced, under penalty of exclusion, by an Affidavit of the candidate Contractor. This Affidavit **will be mandatory submitted in the envelop** «Award Documentation» stating that the above mentioned legal situation is not applicable under its national law-book.



- d. According to the current tender rules only complete offers will be considered.

- e. The deadline for submission of proposals expires on **Tuesday 31/07/2012** at 12:00 (GMT+2) where all tenders will open. The final decision will be announced as soon as possible. All items should be commissioned within 4 months (earlier if possible) from the date of the confirmed order.

The File will be updated constantly following any incoming query.