



Article 6.4 Mechanism
Prior consideration notification form for projects
(V01.0)

Project Title:	Liberty Steel Galati Works Descaling Pumps
Names of the activity participants:	EnergyDrive Systems Ltd, Liberty Galati
Host party:	Romania
Precise geographical location (Full address or GPS coordinates):	Calea Smârdan 1, Galați 800698, Romania
A brief description of the technologies or measures to be deployed:	<p>The Heavy Plate 2 Mill at Liberty Steel Galati Works has a descaling process used to descale hot metal as it comes out of the pusher furnaces. There are 3 descaling stands. Each of the stands is fed from one common header. The pressure in this header is maintained by 1 multi-stage, centrifugal pump. This pump is directly coupled to 1 x 2 MW squirrel cage induction motor. Energy Drive is proposing to install a suitably rated Variable Frequency Drive (VFD) which will be capable of running 1 of the 2 currently operational motors. This will be made possible via switchgear on the VFD input and output. This VFD will be used to vary the speed of the induction motor to provide descaling pressure in the high pressure pipeline only when it is required. When not required the VFD will be slowed down to a minimum speed to just provide enough flow and pressure to keep the high pressure pipeline primed and maintain the pump minimum flow requirements. multi-stage, centrifugal pump. This pump is directly coupled to 1 x 2 MW squirrel cage induction motor.</p>
The Article 6.4 mechanism methodology to be applied (if already known):	Not known
The actual or planned start date of the activity:	19 Mar 2024
The type of the crediting period:	Renewable
Start date of the crediting period:	19 Jun 2024
The approximate amount of GHG emission reductions or net GHG removals expected to be achieved by the project on average:	1,000 tCO ₂ eq per year