



# ITER Procurement Forecast

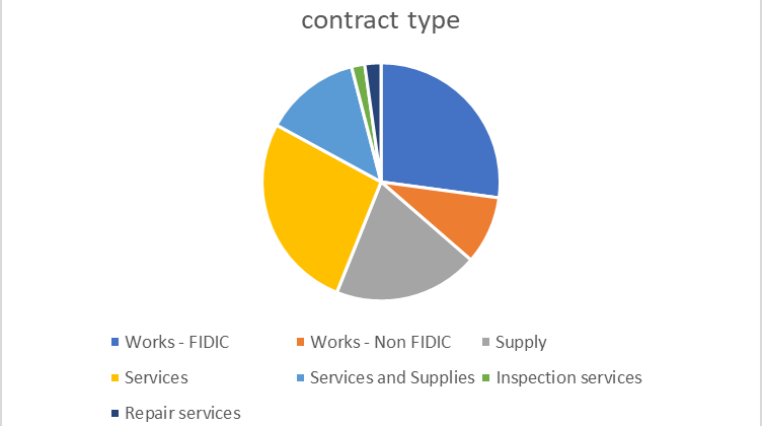
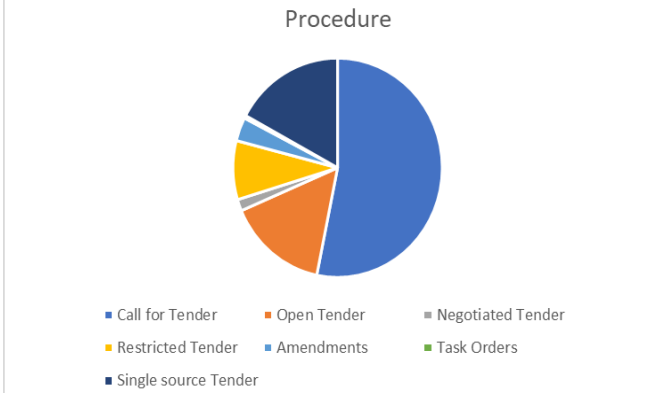
William De Cat, Section Leader for Construction Assembly & Logistics

3 July 2024

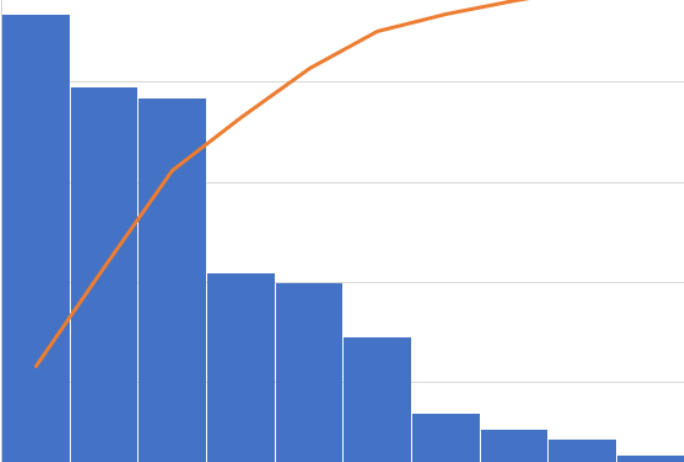


# Procurement Forecast for the period 2024/2025

83 procurements of +1 ME, representing approx. 700 ME → spend, represented for tender procedure and contract type by value



Commodity categories ranked by proportional value order (%) and definition →



Industrial Manufacturing and processing Machinery	23.4
Industrial Production and Manufacturing Services	19.8
building and construction	19.2
Components Manufacturing & supply	10.5
Repair Services	10
Utilities (electricity)	7.3
Engineering and Research Services	3.5
Maintenance	2.7
Inspection Services	2.2
Services Industry, Machinery and Supplies	1.4



## PSP Procurements

Div/Sec	Title of the Procurement	Description of the scope	Contract Type	Solicitation Type	Value of Baseline	Commodity (iproc)	Contract Signature Need date
PSP/TTP	CFT - DS Delivery Support Framework	Engineering support for TCDS Project	Services	CFT: Call for Tender	B	Engineering and Research and Technology Based Services	01-Dec-24
PIP/ASP	Common Support Batch 4	Procurement/Installation CS	Works (FIDIC)	OT: Open Tender	A	Structures and Building and Construction and Manufacturing Components and Supplies	2025
PSP/MCTF	Mechanical Piping	Mechanical Piping	Works (Non-FIDIC installation)	CFT or OT	A	Structures and Building and Construction and Manufacturing Components and Supplies	01-Dec-24
PSP/CWS	IBED PHTS Main Primary Pumps	Procurement of 8 Primary Pump Skids and VFDs	Supply	CFT: Call for Tender	D	Manufacturing Components and Supplies	31/3/2025
PSP/CWS	IBED PHTS Heat Exchangers	Procurement of 8 Heat Exchanger ESPN N2	Supply	CFT: Call for Tender	D	Manufacturing Components and Supplies	31/3/2025
PSP/CWS	IBED PHTS and NBI PHTS Pressurizers	Procurement of IBED PHTS and NBI PHTS Pressurizer (26PHBD-PZ-1001 & 26PHNB-PZ-5000)	Supply	CFT: Call for Tender	C	Manufacturing Components and Supplies	31/3/2025
PSP/CWS	SA component in AFP scope augmented first plasma	sampling system	Supply	T.B.D.	B	Manufacturing Components and Supplies	01-Dec-24
PSP/DMS	DMS Manufacturing and Assembly (PHASE 2)		Service / Supply	CFT: Call for Tender	D	Industrial Manufacturing and Processing Machinery and Accessories	01-Jun-26

# ENG Procurements

Div/Sec	Title of the Procurement	Description of the scope	Contract Type	Solicitation Type	Value of Baseline	Commodity (iproc)	Contract Signature Need date
ESD/DO	CATIA Contract		Services	OT: Open Tender	B	Engineering and Research and Technology Based Services	15-12-24
ESD/DO	AVEVA E3D Contract		Services	OT: Open Tender	A	Engineering and Research and Technology Based Services	15-12-24
ESD/DO	Diagrams		Services	OT: Open Tender	A	Engineering and Research and Technology Based Services	15-12-24
ESD/DO	CAD collaboration		Services	OT: Open Tender	A	Engineering and Research and Technology Based Services	15-12-24
ESD/DO	Identification		Services	OT: Open Tender	B	Engineering and Research and Technology Based Services	15-12-24
ESD/DO	Processes		Services	OT: Open Tender	A	Engineering and Research and Technology Based Services	15-12-24
ESD/DO	CAD QA/QC		Services	OT: Open Tender	B	Engineering and Research and Technology Based Services	15-07-25
ESD/DO	ESD global CAD and Engineering FWC		Services	CFT : Call for Tender	TBD	Engineering and Research and Technology Based Services	15-12-25



MAP Procurements

Div/Sec	Title of the Procurement	Description of the scope	Contract Type	Solicitation Type	Value of Baseline	Commodity (iproc)	Contract Signature Need date
MAP/ICA	New contract: (for IO) Software development for Quench detection, in-cubicle communication and HMI	New contract: Software development for Quench detection, in-cubicle communication and HMI	Services	Call for Tender	C	Engineering and Research and Technology Based Services	26-Jan
MAP/ICA	QDS prototype design manufacture and qualification	QDS prototype design manufacture and qualification	Supply	CFT	A	Manufacturing Components and Supplies	Q1 2025
MAP/ICA	New contract: Additional HV cables (to be grouped with above amdt)	New contract: Additional HV cables	Supply	TBD: To be determined	A	Manufacturing Components and Supplies	25-Jan
MAP/ICA	New contract: HV splicing device support	New contract: HV splicing device support	Supply	CFT	A	Manufacturing Components and Supplies	Q4 2025
MAP/ICA	New contract: Additional instrumentation for TFGS and cryostat base (1179)		Supply	TBD: To be determined	A	Manufacturing Components and Supplies	25-Feb
MAP/ICA	PBS11 - Instrumentation Air cables & Pneumatic pipes	PBS11 - Instrumentation Air cables & Pneumatic pipes	Supply	CFT: Call for Tender	C	Manufacturing Components and Supplies	26-Jan
MAP/ICA	New contract: Cryostat Feedthroughs PCR 1238 - Electrical connectors			T.B.D.	A	Components Manufacturing & supply	T.B.D.
MAP/ICA	LCTS Lower Cryostat Thermal Shield repair: supply of first components	LCTS repair: supply of first components	Supply	RT	A	Components Manufacturing & supply	Q4 2024
MAP/ICA	Rectangular port cells bellows installation			T.B.D.	D	Components Manufacturing & supply	T.B.D.
MAP/ICA	Cryostat feedthrough boxes			T.B.D.	A	Components Manufacturing & supply	T.B.D.
MAP/ICA	Incryostat TCWS piping pre-fab + installation			T.B.D.	D	Components Manufacturing & supply	T.B.D.
MAP/MAT	Irregular Sectors Bracing Tools (2 sets)		Supply	OT	A	Industrial Production and Manufacturing Services	24-Dec
MAP/MAT	Top Lid Trolley and Rails		Supply	OT	D	Industrial Production and Manufacturing Services	2025
MAP/MAT	Top Lid handling tools and access platforms	Design and production of the handling tools and access platforms on the Top Lid of the Cryostat	Supply	OT	A	Industrial Production and Manufacturing Services	2025
MAP/MCP	Vermiculite tender	Protect the structure of B13 north	Supply	CFT: Call for Tender	A	Industrial Production and Manufacturing Services	Q4 2024
MAP/MCP	Operation of IO Workshop (3 ys + 2 ys)	Service contract to operate the milling machine freshly moved	Services	CFT: Call for Tender	C	Industrial Production and Manufacturing Services	Q4 2024
MAP/IVA	VS Coil with Vizrotech	Manufacturing + installation	Supply	AMDT: Amendment	C	Service Industry Machinery and Equipment and Supplies	Q4 2024
MAP/IVA	A6.Contract #1 ( IDI + Fueling + In-service inspection )		Works (FIDIC)	CFT: Call for Tender	D	Building and Construction Machinery and Accessories	T.B.D.
MAP/VPA	VV Stability clamp - Design + Manufacturing New tooling for handling VV		Supply	CFT /OT	C	Industrial Production and Manufacturing Services	Q3/Q4 2024
MAP/VPA	Tooling for ports intallation		Supply	CFT /OT	D	Industrial Production and Manufacturing Services	Q4 2024
MAP/VPA	Remaining TAC 2 - SMPA Sector Module in Pit Assembly		Works (FIDIC)	MS +RT	D	Industrial Production and Manufacturing Services	01-Dec-24
MAP/VPA	Remaining TAC 2 - VVPA			CFT /OT	D	Industrial Production and	Q2 2025

# TKP Procurements

Div/Sec	Title of the Procurement	Description of the scope	Contract Type	Solicitation Type	Value of Baseline	Commodity (iproc)	Contract Signature Need date
TKP/DRW	Lower penetration: In vessel Viewing Port Extension (IVVPE) (tube) Manufacturing for the ITER Vacuum Vessel	Lower penetration: In vessel Viewing Port Extension (IVVPE) Manufacturing for the ITER VV, that should include PCR 1399: -MI Cables as Heaters for IVVS PE ( 12 ) -Junction Box Procurement - In Cryostat Cabling from JB to Feedthrough ( Kapton cables ) - Heater Cubicle Integration	Supply	CFT: Call for Tender	C		Q2 2025
TKP/DRW	VV ISI Training and labs center	Lab to be installed in Corbiere		T.B.D.	A		Q2 2025
TKP/DRW	Modify configuration of welded lip seals for VV port	PCR 590		T.B.D.	A		2025
TKP/DRW	VV Port insulation			T.B.D.	B		2025
TKP/MAG	Inconel 718 M80 Studs Procurement for PF6			CFT: Call for Tender	A		2026
TKP/TSC	VVTS Repair Hook cover&NB Shroud	remaining VVTS repair - missed	Services	OT: Open Tender	B		Q2 2025



# CIC Procurements

Div/Sec	Title of the Procurement	Description of the scope	Contract Type	Solicitation Type	Value of Baseline	Commodity (iproc)	Contract Signature Need date
CIC/INP	Global Maintenance services Framework Contract 2025-2030 (4+2 optional years)	multi dicipline and multi PBS contract according to maintenance strategy as approved in April 2022	Services	CFT: Call for Tender	D	Building and Construction and Maintenance Services	25-Jan-25
CIC/INP	HRS Long Term Preservation / cocooning	Technico - Economical study, procurement and implementation of an optimized solution for Long Term Preservation of HRS CT and VT pumps	Services	RT: Restricted Tender	A	Building and Construction and Maintenance Services	10-Feb-25
CD/CCI	CFT for I&C services 2026-30	I&C Design and Integration support services	Services	CFT: Call for Tender	B	Engineering and Research and Technology Based Services	01-Dec-25
CD/FCS PBS-46	New Framework contract - Fast Architecture development and implementation	Software/firmware development for central interlock fast architecture	Services	OT: Open Tender	A	Engineering and Research and Technology Based Services	01-Sep-25
CD/FCS PBS-48	New contract for engineering and commissioning support to replace 6-381, 6-386 and 6-387)	CSS engineering and commissioning support services	Services	OT: Open Tender	A	Engineering and Research and Technology Based Services	15-Nov-25
CD/FCS PBS-48	Call for tender to supply CSS-N for AFP first delivery	Contract to deliver nuclear safety systems for AFP for a delivery in 2029-20230	Supply	CFT: Call for Tender	C	Manufacturing Components and Supplies	1-Oct-25
CD/CCI	CFT for I&C services 2026-30	I&C Design and Integration support services	Services	CFT: Call for Tender	B	Engineering and Research and Technology Based Services	01-Dec-25

## BSM Procurements

Div/Sec	Title of the Procurement	Description of the scope	Contract Type	Solicitation Type	Value of Baseline	Commodity (iproc)	Contract Signature Need date
BSM/BFO	Bus services	renewal of Buse service Contract	Services	OT: Open Tender	B	Transportation and Storage and Mail Services	01-Jun-25
BSM/BFO	Statutory inspections	Statutory inspections (initial and periodic ) to be performed on equipement located on ITER site	Services	OT: Open Tender	A	Inspection Services	30/11/2025
BSM_CEI	Cryostat Bellows Embedded Plates Insulation (Design and Installation)		Supply	CFT: Call for Tender	B	Manufacturing Components and Supplies	Q1/Q2-2025
BSM_CSM	Scaffolding inspection	renewal of existing contract	Services	OT: Open Tender	A	Industrial Production and Manufacturing Services	30-Jun-25
BSM_CSM	Renewal of Lifting and Handling equipement rental FMW Contract		Services	CFT: Call for Tender	C	Services Industry, Machinery and Supplies	30-Nov-25
BSM_CSM	Rope access Contract (renew)		Services	OT: Open Tender	A	Services Industry, Machinery and Supplies	30-Jun-25



# DIAG Procurements

Div/Sec	Title of the Procurement	Description of the scope	Contract Type	Solicitation Type	Value of Baseline	Commodity (iproc)	Contract Signature Need date
DIAG/DEP	Port Integration Facility (PIF) Operation Framework Contract	The Port Integration Facility (PIF) Service and Management Framework Contract is aimed at performing the assembly and tests of the port structures in the PIF during the ITER Assembly Phases 1 to 4 defined for the staged approach:	Services	CFT: Call for Tender	D	Engineering and Research and Technology Based Services	Q3-25
DIAG/IVD	Final design & Manufacture of Halo Rogowski Sensors	Final design prototyping, some FDR document assistance, MRR preparation and closure, manufacturing of halo sensors + spares	SUPPLY	TBD: To be determined	B	Structures and Building and Construction and Manufacturing Components and Supplies	T.B.D.
DIAG/DEP	Supply of B4C shielding blocks for IO Port	This contract includes the supply of B4C blocks manufactured by sintering and hot pressing for the shielding of IO Port plugs.	SUPPLY	CFT: Call for Tender	C	Structures and Building and Construction and Manufacturing Components and Supplies	10-Oct-25
DIAG/DEP	FWC Diagnostic Port Cells Systems mechanical and system engineering in preparation for manufacturing	The purpose of this contract is to provide engineering for finalization of mechanical design and preparation of technical specification of Diagnostic systems and IO Ports integration	Services	OT: Open Tender	B	Engineering and Research and Technology Based Services	30-Apr-25
DIAG/DEP	FWC for supply of common components to PIs	Procurement of common components to PIs subject to particular TS or difficult / inefficient to procure individually within PI scope all IO ports including UP and EQ	SUPPLY	CFT: Call for Tender	B	Structures and Building and Construction and Manufacturing Components and Supplies	30-Jul-25
DIAG/DEP	Procurement of hardware	Call for tender for manufacturing contract for 55.Q0/U0.S0 components (rails, dogleg plates, skids, lateral pads)	SUPPLY	CFT: Call for Tender	B	Structures and Building and Construction and Manufacturing Components and Supplies	30-Apr-25



# Thank you!

ITER Open Doors Day  
June 2023

