

4. Civil works

For the civil works necessary for the smooth operation of the complete Tank Farm and Jet A-1 Pipeline including existing terminal facilities, cost of the supply of all materials shall be included in the BOQ, but not limited to, materials purchase price, works, inspection and testing, certification, commissioning, transportation, handling, loading, off-loading, insurance, identification and traceability control, stock keeping, inventory control and storage, demolition of existing structures & buildings, transportation of debris from the site, for appropriate foundation works (Pile foundations for tanks or wherever applicable) including adequate ground improvements (wherever applicable), concrete works, tank bunds, hard standings, parking areas, pump platforms, equipment hard standings, structural works, masonry works, anti-termite treatment, metal works, roads and paving, blast cleaning & painting, water proofing, cable trenches, pipe sleepers and supports, as well as consultant's fees and government's fees and relevant charges subject to the approval of the Employer.

Item No.	Item		Unit	Quantity	Total Amount		Taxes / (SLR)	
	Description	Reference			Local Component (Without Taxes)/(SLR)	Foreign Component (Without Taxes)/(USD)	Import Taxes	Other Taxes
4.1	Setting out of proposed Tank Farm and Pipeline and related facilities (including site surveying if required).	Refer to Employer's Requirements and Technical Scope of Work for EPC Turnkey Contractors	Item	Lot				
4.2	Demolition of relevant existing structures and pavement, uprooting trees (if requires), transportation of debris from the Site, Site clearing, excavation, earth filling and compaction up to specified levels, Site formation and earthwork.	Refer to Employer's Requirements and Technical Scope of Work for EPC Turnkey Contractors	Item	Lot				
4.3	Construction of service roads for operations and maintenance aspects including walkways between tanks and upto sampling locations.	Refer to Employer's Requirements and Technical Scope of Work for EPC Turnkey Contractors	Item	Lot				
4.4	Tank Foundations for TK-2000, TK-2001, TK-2002, TK-2003, TK-2004, Product downgrading tank, Product Recovery tank and Slop tank.	Refer to Employer's Requirements and Technical Scope of Work for EPC Turnkey Contractors	Item	Lot				
4.5	Tank Farm Dike construction complete with adequate earth improvement, foundations, wall penetrations, Concrete paving inside tank farm dike wall with seals and lining, expansion and contraction joints and water proofing etc.	Refer to Employer's Requirements and Technical Scope of Work for EPC Turnkey Contractors	Item	Lot				
4.6	Design, supply and construction of storm water discharge system, sewerage system, oily water management system (Eg: API separator), foul / waste water/ rainwater discharge system including diversions or connections to existing systems, culverts, manholes, valve chambers, gratings, cover slabs and all other associated facilities, completely.	Refer to Employer's Requirements and Technical Scope of Work for EPC Turnkey Contractors	Item	Lot				
4.7	Connection of proposed Water supply system to the supply line of National Water supply & Drainage Board (NWSDB) and internal distribution system with elevated or underground storage facilities to supply water to office buildings, rest areas, utility workshops and Stores Building Complex, toilets, wash facilities, vehicle washing area, loading bays, gardening etc. and all other associated facilities, completely.	Refer to Employer's Requirements and Technical Scope of Work for EPC Turnkey Contractors	Item	Lot				
4.8	All internal roads & parking, foot paths, painted pre-cast concrete kerbs, pavements, concrete slabs, concrete yard area, road markings and miscellaneous civil works to complete.	Refer to Employer's Requirements and Technical Scope of Work for EPC Turnkey Contractors	Item	Lot				

4.9	All civil works related to Jet A-1 Pipeline construction not limiting to excavation, micro-tunneling/HDD/ auger boring, piling, structures at river and canal crossings, shoring, dewatering, ground improvements, foundations, retaining walls, concrete works, back filling, testing, installation of pipeline and cable route markers etc., completely (this shall not include road & utility line reinstatement cost and block valve stations & cabin rooms construction cost).	Refer to Employer's Requirements and Technical Scope of Work for EPC Turnkey Contractors	Item	Lot				
4.10	Reinstatement work not limiting to Public roads, structures, fences and any utility line facilities back to its original condition after laying of the Jet A-1 transfer pipeline and related facilities	Refer to Employer's Requirements and Conditions of the Stakeholder organisations mentioned in PART 4 of the Bidding document	Provisional Sum		150,000,000.00			
4.11	Excavation, back filling and concrete works and water proofing where necessary for all cable draw chambers (CDC), cable trenches including gratings for power, control, instrument and network cables completely.	Refer to Employer's Requirements and Technical Scope of Work for EPC Turnkey Contractors	Item	Lot				
4.12	Blast cleaning (grit blasting) and painting works/markings for structural works and miscellaneous equipment etc. including finish painting of all facilities and hot-dipped galvanizing of pipe supports, walk ways, platforms etc. completely.		Item	Lot				
4.13	Landscaping of entire Tank Farm premises		Item	Lot				
4.14	Construction of perimeter fence		Item	Lot				
4.15	Foundations for pipe sleepers, supports, scrapers, jib cranes etc.		Item	Lot				
4.16	Items not covered under this Schedule of Prices but necessary for the smooth operation of the complete Tank Farm and Jet A-1 Pipeline. (Bidder to Specify)	Specify here:	Item	Lot				
Sub Total								