

Addendum 01

REPAIRING OF TANK NOS. 30, 38 & 39 AT UPPER TANK FARM
CHINABAY, TRINCOMALEE

B/42/2026

2026.07.13

SECTION - 6

SPECIFICATIONS

6.1 Scope of supply by CPC

Clause 6.1.1 shall read as follows:

6.1.1 Construction material

Supply of,

- (a) Steel plates for repair/reconstruction of the tank bottom, roof, and drip ring, deflection plate, toe guard, side plates for stair way & insert plates for inlet, outlet, manholes & drains except checkered plates.
- (b) Pipes & flanges for fabricating nozzles such as inlet, outlet & drains and heating coils,
- (c) Paint, thinner except for cleaning purposes.

Note: Any material or consumables not explicitly listed above as Employer-supplied items shall be supplied by the Contractor at their own expense.

6.5 Contractor's scope of work

Clause 6.5.2 shall read as follows:

6.5.2 Bottom repair

- Dismantle and remove roof plates safely from an edge (if necessary) to facilitate steel plates required for the tank bottom repair/replacement with roof attachments, topmost platform & accessories. Repair (if necessary) all special fittings such as gauge hatch, foam fittings, brackets, flanges, and firewater fittings as instructed by CPC.
- Dismantle and remove the existing floating suction pipe arm and attachments inside the tanks and transport it to a location specified by CPC.
- Carry out patch repairs (if necessary) of Bottom Plates as identified by CPC based on the UT spot survey (Drawing ref: CPC_Tk30_Bottom_T, Drawing ref: CPC_Tk38_Bottom_T & Drawing ref: CPC_Tk39_Bottom_T). In addition, Contractor shall perform a UT scanning of the bottom plates using tank bottom scanner and carryout patch repairs or weld fillings as instructed by CPC.
- All the rivets and riveted lapping joints shall be seal welded (using fillet welding) as per the welding sequence determined by the Contractor's welding supervisor approved by CPC.
- After seal welding of the rivets and riveted lapping joints, all the welding should be tested and passed 100% for any leaks by vacuum test.
- The estimated aggregate linear length of the riveted lap joints on the 8mm bottom plate is approx. 1100m. per one tank. The bidder shall quote a lump sum price under item number 5.2 of the BOQ to achieve complete sealing by a suitable welding technique. Additional welding requirements as decided by

the CPC based on in situ inspections will be paid at a rate quoted under item No. 05 of SECTION B of the BOQ.

- The estimated aggregate linear length for Seal welding the rivet heads is approx. 2100m per one tank. The bidder shall achieve the complete sealing of rivet heads using a suitable welding technique.
(Approximate 18,000 number of rivets with the rivet head diameter of 1 ½")
- Plate bending & welding of 8mm thick and 1' wide corrugated cover plates over all riveted lap joints and adjacent rivet lines having provisions for pressure testing of the entire or segment wise in a single operation.
(Approximate length of covering plate 850m per tank)
- Welding of 8mm thick and 1 ½' wide cover plates over annular ring, having provisions for pressure testing of the entire or segment wise in a single operation.
(Approximate length of covering plate 120m per tank)
- Low thickness areas on the annular plates shall be weld build up as instructed by CPC and the payment will be paid as per the rates stated in Section B of Schedule of Prices.
- Patch plate welding to close the existing 04 drain nozzles on the bottom as instructed by CPC.
- Patch plate welding to blank the 05 flanged holes on the bottom as instructed by CPC.
- After the repairing all the sealed welds, welds shall be tested and verified by Dye Penetrate and re-repair if necessary.
- After the repairing all the cover plate welds, welds shall be tested and verified by Dye Penetrate and pressure testing and re-repair if necessary.
- Material supply, fabrication and welding of 2"x2" "L" iron supports on the bottom for the 2" heating coil pipes. (Pipe support aprox:1000nos)

Clause 6.5.6 shall read as follows:

6.5.6 Painting

➤ Internal

- Cleaning of the tank bottom if there is any slug or other derbies which cannot removed by the blast cleaning.
- Blast cleaning & painting of tank bottom internal & first shell course (from bottom) as per the paint specification – A. (except lap joints of the shell and annular L angle)
- Blast cleaning & painting of tank roof truss system and roof internal as per the paint specification – A.
- Blast cleaning & painting of 300mm wide strip along riveted lap joints of the shell internal and the annular L angle as per the specification - E.

SECTION - 8
BILL OF QUANTITIES

Bill of quantities shall read as follows;

BILL OF QUANTITIES

CEYLON PETROLEUM CORPORATION

JOB : REPAIRING OF TANK NOS. 30, 38 & 39 AT UPPER TANK FARM CHINABAY, TRINCOMALEE

BID No: B/42/2026

Section - A					
	Item	Qty (*)	Unit	Rate (Rs.)	Total (Rs.)
1	PRILIMINARY EXPENSES				
1.1	All the preliminary Expenses including but not limited to mobilization/demobilization, all insurances, bank charges, material transport & storage, sanitary facilities, welder qualification (as per 6.13.2, 6.13.3, 6.13.4) etc.	1	Lot		
1.2	Supply of Materials as specified in 6.4.1	3	Lot		
2	MISCELLANEOUS				
2.1	Supply of electrical power supply, power distribution board with suitable protection devices such as Earth leakage circuit breakers, miniature circuit breakers, isolators as specified in 6.2.2, 6.4.14, 6.4.15, 6.4.16, 6.4.17.	1	Lot		
2.2	Supply of Construction equipment & Diesel / lube oil as specified in 6.4.4 & 6.4.5	1	Lot		
3	GENERAL				
3.1	Supply of NDT equipment, consumables, technicians as specified in 6.4.10, 6.4.11, 6.4.12 & Perform NDT tests as specified in 6.5.1.	1	Lot		
4	ERECTION OF SCAFFOLDING & SAFETY BARRIER				
4.1	Erection of a safety barrier and scaffolding (external & internal) as specified in 6.5.1 using materials as specified in 6.4.3.	3	Lot		
5	BOTTOM REPAIR (6.5.2)				

5.1	Dismantle and removal of existing floating suction pipe arm and attachments	3	Lot		
5.2	Seal welding riveted lapping joints	3300	m		
5.3	Seal welding of the rivet heads	6300	m		
5.4	Cover plate welding over bottom lap joints	2550	m		
5.5	Cover plate welding over annular L angle and revert heads	360	m		
5.6	Patch plate welding to close the existing flange holes on the bottom	15	Nos.		
5.7	Patch plate welding to close the existing drain nozzles	12	Nos.		
5.9	Install sacrificial anodes connectors.	12	Nos.		
6	SHELL REPAIR - 6.5.3				
6.1	Modification of 10" existing nozzle	3	Nos.		
6.2	Install 16" NPS welded nozzle	3	Nos.		
6.3	Install new 4" NPS drain pipes at the bottom of the shell.	12	Nos.		
6.4	Install new 8" NPS nozzles to install foam system.	9	Nos.		
6.5	Install new 2" NPS nozzles to install heating coil.	18	Nos.		
6.6	Install new 32" manholes with lid hangers	9	Nos.		
6.7	Welding blank plate for existing manholes	3	Nos.		
6.8	Install brackets on the shell surface as specified	3	Lot		
6.9	Installation of L angle bracket rings for insulation work	3	Lot		
6.11	Repair the internal monkey ladder as specified	3	Nos.		
6.12	Repairing the tank shell stairways as specified	3	Nos.		
6.13	Install a Drip gutter ring at the shell bottom as specified	336	m		
6.14	Repair the existing manual tank gauging system	3	Nos.		
6.15	Apply a Bituminous layer at the shell bottom as specified in	336	m		
7	ROOF REPAIR - 6.5.4				
7.1	Patch plate repair as specified	1050	m		
7.2	Installation of toe guards	3	Lot		
7.3	Modification of existing goose neck	3	Nos.		
7.4	Fabrication, repair and installation of roof attachments as specified	3	Lot		

8	HEATING COIL INSTALLATION - 6.5.5				
8.1	Fabrication and welding of pipe support for the coil	3	Lot		
8.2	Fabrication, welding and pipe laying	3	Lot		
9	PAINTING - 6.5.6				
9.1	<u>INTERNAL BLAST CLEANING AND PAINTING AS SPECIFIED</u>				
9.1.1	Bottom	3000	m ²		
9.1.2	Internal first shell course	1600	m ²		
9.1.3	Internal side of the roof	3300	m ²		
9.1.4	300mm wide strip along riveted lap joints of the shell internal and the annular L angle	1080	m ²		
9.1.5	Truss system of the roof	1200	m ²		
9.2	<u>EXTERNAL BLAST CLEANING AND PAINTING AS SPECIFIED</u>				
9.2.1	All shell courses	4400	m ²		
9.2.2	Roof	3300	m ²		
10	WELDING TESTING				
10.1	Dye penetrant testing of all the welding carried out including revert head welds and lap joint welds patch plates welds.	3	Lot		
10.2	Leak testing of cover plate	3	Lot		
10.3	RT testing of all the butt joint welds (100%) of the heating coil	3	Lot		
10.4	Ultrasonic Scanning (UT) using tank bottom scanner	75	m ²		
11	HYDRO TESTING - 6.5.8				
11.1	Make necessary arrangement to source water	37500	m ³		
11.2	Perform Hydro test up to the satisfaction of CPC as specified	3	tanks		
11.3	Perform Hydro pressure test of the heating coil	3	tanks		
12	TANK CALIBRATION – 6.5.9				
12.1	Perform tank calibration and submission of reports	3	tanks		
13	CONSTRUCTION OF FIRE HYDRANT PUMP HOUSE-6.5.10				
13.1	<u>EARTHWORK & SUBSTRUCTURE</u>				
13.1.1	Excavation in normal soil for footings up to 1.0m depth	54	m ³		

13.1.2	Backfilling around foundations with approved excavated earth in layers not exceeding 225mm thick, watering and compacting including slab area well to required density complete as per the Instructions.	78.6	m ³		
13.1.3	Supply and lay 50mm thick Grade 15 lean concrete (1:1.5:3 mix) as a base for footings	1.728	m ³		
13.1.4	Fabricate and lay high-yield steel reinforcement (Y12) for column footings	0.25	MT		
13.1.5	Supply and pour C25 Grade concrete into 24 Column bases (C1)	3.888	m ³		
13.2	CONCRETE SUPERSTRUCTURE & MASONRY				
13.2.1	Fabricate and cast 225x225mm columns (C1) including formwork and steel (4Y12)	6.075	m ³		
13.2.2	Fabricate and cast Plinth and Tie Beams including formwork and steel	3.29	m ³		
13.2.3	Lay 100mm thick R/F floor slab (C25 concrete) with T10 mesh reinforcement	4.86	m ³		
13.2.4	Mass concrete pump beds (1:2:4 mix) for heavy diesel & electric pump units	8.4	m ³		
13.2.5	Rubber coated mesh with GI frame fixing around the building perimeter	152	m ²		
13.3	STRUCTURAL STEEL & ROOFING				
13.3.1	Supply, fabricate, and erect 152x75mm (14kg/m) Universal Beams (UB) for rafters	1.65	MT		
13.3.2	Supply and erect heavy 203x133mm (25kg/m) Universal Beams for crane lifting rail	1.2	MT		
13.3.3	Fabricate and fix 150x65x2.3mm G.I. Lip Channel Purlins spaced @ 1200mm C/C	1.4	MT		
13.3.4	Supply and lay 0.47mm thick Zn/Al roof cladding sheets (Corrosion-resistant AZ200)	314.6	m ²		
13.3.5	Supply and install Ø 12mm MS sag rods, 12mm MS plates, and M16 anchor bolts	1	LS		
13.4	OPENINGS & ANCILLARY WORKS				
13.4.1	Supply and install 3900x3000mm industrial Aluminum roller shutter doors (D2)	1	Nos		
13.4.4	Construct 50mm C20 concrete cable trench with 600x225x50mm removable plates	22	L.M		
13.4.5	Construct 300mm wide concrete perimeter drain with heavy-duty Y12 steel grating	65	L.M		
	Contingency (10%)				
	Sub Total 1				
	SSCL (.....%)				
	Sub Total 2				
	VAT (18%)				
	Grand Total				

SECTION - 10
DRAWINGS

List of drawings shall read as follows;

LIST OF DRAWINGS

NO.	DRAWING TITLE	DRG. NO.
01	Thickness Measurements of Bottom and Shell of Tank No.30	CPC_TK30_Bottom_T
02	Thickness Measurements of Bottom and Shell of Tank No.38	CPC_TK38_Bottom_T
03	Thickness Measurements of Bottom and Shell of Tank No.39	CPC_TK39_Bottom_T
04	Foam & Drain Nozzle Arrangement	CPC-TRP-015
05	Drip Gutter	CPC_Tk30_38_39_005
06	Heating Coil	CPC_TTF_HC_001
07	Fire Hydrant Pump House	CEYPET/ENG/ 0642-A
08	GA Drawing for the Pipe Brackets	CPC-TRP-015

Note: The contractor holds sole responsibility for verifying and confirming all final dimensions and locations with CPC and submit the revised drawings to CPC prior to fabrication and installation.