Quotation No. RFQ-2026-0667

Installation of 150 mm Diameter HDPE Pipeline and Associated Works from Oregen Transformer Bay to Existing Spill Containment Storage Tank

1. The Contractor's bid price shall be deemed to include the full cost of executing and completing the Works in accordance with the Contract, drawings, specifications, and Client's requirements. The rates shall include, but not be limited to, the supply, mobilisation and demobilisation of manpower, tools, equipment, materials, consumables, temporary works, fabrication, installation, testing, disposal, housekeeping, labour, duties and taxes, supervision, minor modifications, and all incidental costs necessary for completion of the Works. No modification or deviation from the approved scope, drawings, or specifications shall be made without the Client's prior written approval.

2. The Contractor shall allow for all costs arising from restricted working hours or site constraints imposed by the Client and/or relevant Authorities, including daily assembling, dismantling, securing, and re-mobilisation of manpower, tools, and equipment.

3. The Contractor is advised to visit and inspect the Site prior to submission of the bid to fully understand the scope, conditions, and constraints of the Works. Submission of the bid shall be deemed as confirmation that the Contractor has satisfied itself with all site conditions. No claims arising from insufficient information or site understanding shall be entertained thereafter.

4. The Contractor shall possess and maintain valid registrations, licences, permits, and certifications required by the relevant Authorities, including ABCi, for the execution of the Works.

5. The Contractor shall comply fully with all applicable HSE requirements, statutory regulations, Client procedures, and site rules, including but not limited to:
    - Attendance of BPC safety induction courses by all personnel prior to working on Site.
    - submission of Risk Assessment and Method Statement (RAMS) for approval prior to commencement of work.
    - Provision and use of appropriate PPE, certified tools and equipment, portable toilets, rest areas, and other necessary safety provisions at Site.
    - Compliance with all applicable Government regulations, including the Workplace Safety and Health Order 2009 and relevant BPC HSE procedures.

6. The Contractor shall appoint a full-time HSE Coordinator who is SHENA registered, holds a valid NEBOSH IGC certification, and has a minimum of three (3) years relevant experience. The HSE Coordinator shall be responsible for toolbox talks, inspections, monitoring, enforcement of HSE compliance, and safety record keeping. Where the Contractor does not have an in-house qualified HSE Coordinator, a BPC-approved third-party HSE Coordinator may be engaged at the Contractor's own cost.

7. Subcontracting of the Works shall not be permitted without the Client's prior written approval.

Note: *The Client reserves the right to suspend or stop the Works in the event of any non-compliance with HSE requirements, site rules, or statutory regulations.*

PROJECT OVERVIEW

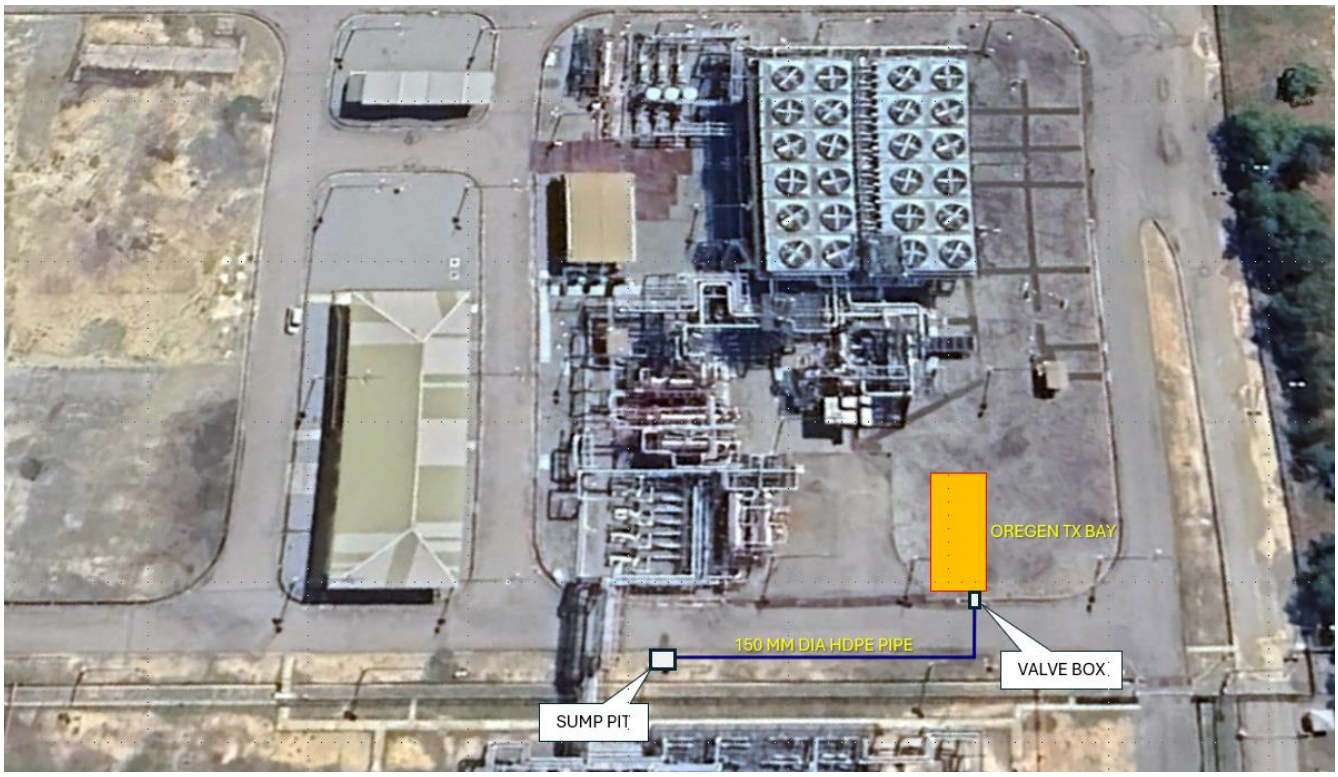
The Transformer Bay at Oregen Plant has been relocated to its present location to free up the original site for the ongoing Combined Cycle Gas Turbine Technology (CCGT) project development. While the transformer bay relocation works have been completed, the associated underground piping connection between the transformer bay sump pit and the existing Spill Containment Storage Tank was not included under the relocation scope.

The objective of this project is to install an underground 150 mm diameter HDPE piping system to connect the Oregen Transformer Bay sump pit to the existing Spill Containment Storage Tank. The proposed works shall facilitate the controlled gravity flow of oil-contaminated liquid from the transformer bay to the designated containment tank in the event of a transformer oil leakage incident.

To implement the project, approximately 70 meters of 150 mm diameter HDPE pipe shall be installed underground from the transformer bay to the existing Spill Containment Storage Tank. The piping system shall be designed and installed with a continuous and adequate slope to ensure effective gravity drainage throughout the pipeline route.

In addition, a gate valve and flap valve shall be installed at the Oregen Transformer Bay to facilitate controlled manual draining operations while preventing reverse flow from the downstream system. A new sump pit shall also be constructed at the junction point connecting the proposed pipeline to the existing piping network serving the Oregen bund wall drainage system.

Accordingly, detailed site survey, level verification, and pipe alignment works shall be carried out prior to installation to ensure proper routing, consistent gradient, and reliable gravity flow performance towards the Spill Containment Storage Tank.



LOCATION PLAN

BILL OF QUANTITIES

Item	Description	Qty.	Unit	Unit Rate (BND)	Total Amount (BND)
A.	**GENERAL & PRELIMINARIES**				
1.	Mobilisation and demobilisation of all required manpower, supervision, tools, plant, machinery, lifting equipment, and accessories to and from the work site, including establishment and maintenance of temporary site facilities comprising portable toilet, rest area, First Aid Kit, fire extinguishers, safety signages, barricades, and other necessary HSE provisions in close proximity to the work area. The item shall also include provision of competent manpower and certified lifting equipment for the collection, loading/unloading, transportation, handling, and delivery of materials and associated components to and from the work site.	1	lot		
2.	Engage a qualified and registered Civil & Structural / Piping Qualified Person (QP) to undertake the detailed engineering design, preparation, and submission of design calculations, and construction drawings for the proposed civil and piping works connecting the Oregen Transformer Bay sump pit to the existing Spill Containment Storage Tank. The scope shall include, but not be limited to, the following: - Detailed design and construction drawings for: o approximately 70m underground 150mm dia HDPE pipeline, including routing, trench details, invert levels, gradients, bedding, protection, and tie-in interfaces with existing systems. o proposed sump pit, including structural details, inlet/outlet arrangements, access covers, drainage interfaces, and integration with the existing bund wall drainage system. o installation arrangement for gate valve, flap valve, valve chamber, and associated pipe supports/fittings. - Hydraulic assessment and level verification to confirm continuous and adequate gravity flow throughout the pipeline system. - Site survey and coordination with existing underground and above-ground services to verify alignment, levels, clearances, and constructability prior to installation. - Submission of all relevant design calculations, technical specifications, and construction drawings for BPC review and approval prior to commencement of the works	1	lot		
3.	Engage a licensed land surveyor to carry out survey and verification of pipeline alignment, invert levels, pipe gradients, and trench excavation depths before, during, and after installation works to ensure adequate gravity flow of contaminated liquid from the Oregen Transformer Bay to the Spill Containment Tank.	1	lot		
4.	*Construction Drawings.* Preparation and submission of construction drawings in AutoCAD softcopy and hardcopy formats for BPC's review and approval, including all revisions and re-submissions arising from site conditions, coordination requirements, or design modifications.	1	lot		

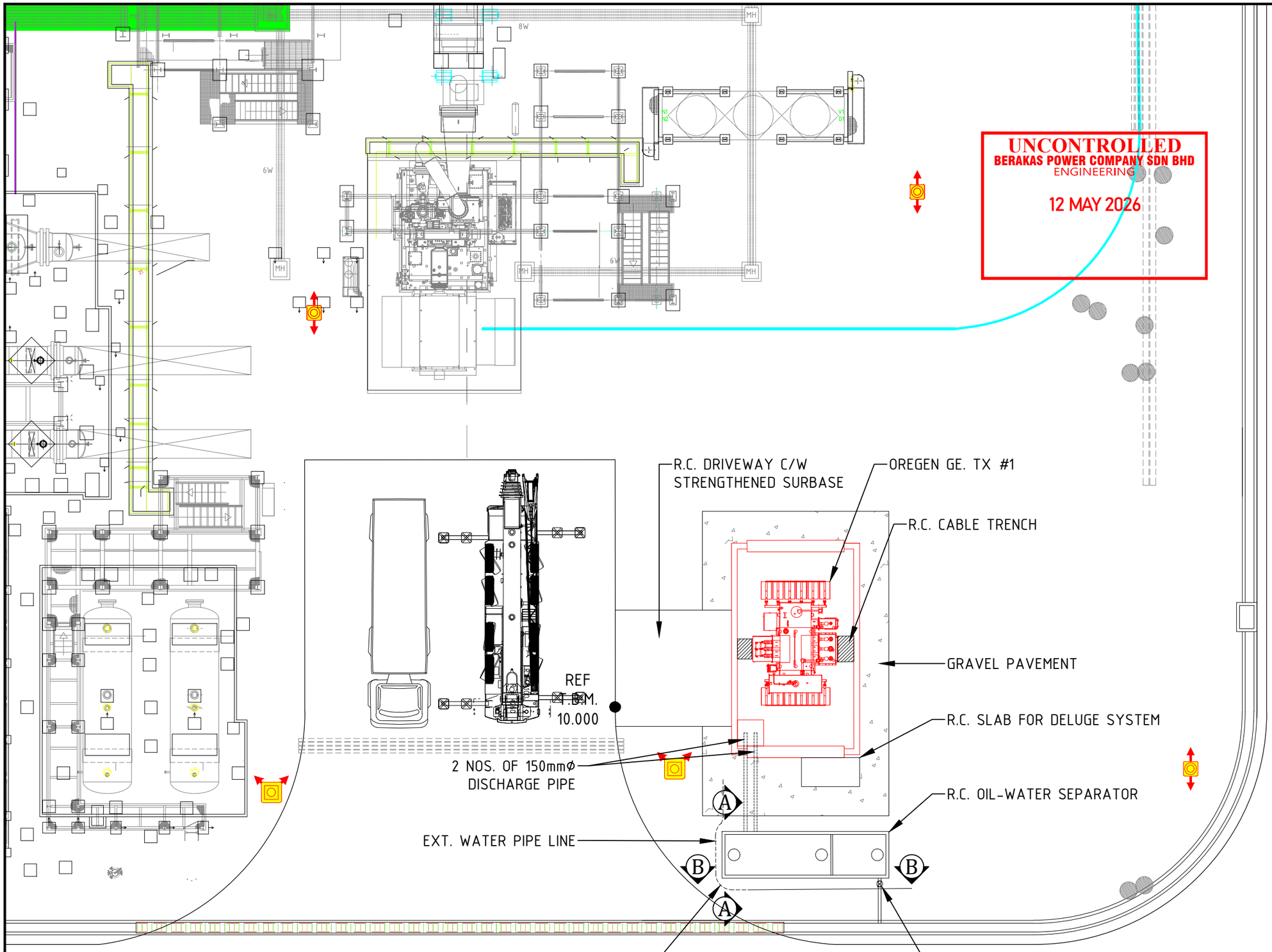
Item	Description	Qty.	Unit	Unit Rate (BND)	Total Amount (BND)
5.	*As-Built Documents.* Prepare and submit certified as-built drawings upon completion of the works, including plan layouts at 1:1000 scale with bearings and coordinates based on the Borneo RSO projection system, duly endorsed by a licensed surveyor. Submission shall include: • A1 hardcopy drawings • AutoCAD softcopy drawings • As-built survey information covering installed pipelines, fittings, valves, road crossing sleeves, existing utilities, structures, and associated civil works.	1	lot		
B.	**SUPPLY & DELIVERY OF MATERIALS** Supply and deliver all materials on DDP (*Delivered Duty Paid*) basis in accordance with INCOTERMS 2020 of the following pipe fittings and accessories:				
1.	Elbow: long radius 90° for 180mm OD HDPE pipe; PE100, PN16 	1	ea		
2.	Flange Adapter: HDPE; butt fusion type; injection moulded; PE100; PN16; suitable for 180mm OD HDPE pipe; ANSI Class 150 	4	ea		
3.	Stainless Steel Backing Ring / Back-up Flange; PN16; suitable for use with 180mm OD HDPE flange adaptor 	4	ea		
4.	Gate Valve; cast iron body; 150mm diameter; flanged type 	1	ea		
5.	Flap Valve; cast iron body; 150mm diameter; flanged type. 	1	ea		

Item	Description	Qty.	Unit	Unit Rate (BND)	Total Amount (BND)
6.	Cast Iron Valve Box complete with cover; approximately 400mm(W) × 600mm(L) opening; suitable for underground valve installation 	1	ea		
7.	Flange Gasket: neoprene rubber; flat; inner bolt circle type; PN16; for use with 180mm OD HDPE pipe flange adapter	8	ea		
8.	Stainless Steel Bolts complete with nuts, flat washers, and spring washers; M20 × 90mm long; suitable for DN150 PN16 flange connections	36	sets		
B.	**SITE WORKS.** Reference Drawings: BER-01-12 022-P1 Layout Plan: Oregen Power Plant BER-01-12 026-P1 Sectional View: Oil-Water Separator BER-01-15 206-P1 Site Plan: Oil Filtration Tank Facility				
1.	Site Verification & Utility Detection Conduct site verification to identify the location of existing underground utilities. This item includes, but is not limited to, detection and scanning of existing underground services, excavation of trial pits, backfilling and associated reinstatement works	1	lot		
2.	Provide competent manpower, tools, welding equipment, and accessories for the complete installation of approximately 72m of 150mm diameter HDPE pipe, either direct buried or installed within pipe sleeves, including butt fusion welding, alignment, jointing, handling, lowering, and associated installation works. *(Note: HDPE pipes are to be supplied by BPC and collected by the Contractor from BPC Store)*	72	m		
3.	Trench Excavation for HDPE Pipeline. Carry out trench excavation for installation of the 150mm diameter HDPE pipeline. The scope shall include, but not be limited to: ○ Provision of competent manpower and certified excavation equipment ○ Trench shoring and protection systems where required ○ Safety signages, barricades, warning blinkers, and public protection measures ○ Removal and disposal of unsuitable excavated material ○ Supply, placement, compaction, and reinstatement of backfill material ○ Restoration of ground surfaces to original condition	60	m		

Item	Description	Qty.	Unit	Unit Rate (BND)	Total Amount (BND)
4.	Road Crossing Works. Carry out excavation and installation works for pipeline crossing beneath asphalt roads The scope shall include, but not be limited to: o Provision of skilled manpower, certified machinery, and operators o Concrete cutting and controlled road excavation o Trench shoring and temporary traffic/safety control measures o Installation of 200mm diameter uPVC pipe sleeves o Backfilling, compaction, concrete reinstatement, and restoration of asphalt road surfaces to original condition Note: uPVC pipe sleeves shall be supplied free issue by BPC.	12	m		
5.	Construction of Sump Pit. Provide competent manpower, tools, equipment, materials, and accessories for the complete construction of the sump pit in accordance with the approved design and drawings prepared by the Civil & Structural / Piping Qualified Person (QP). The scope shall include, but not be limited to: o Excavation and disposal of unsuitable material; o Construction of reinforced concrete sump pit and associated civil works; o Modification, cutting, and tie-in connection to existing HDPE/uPVC piping systems; o Installation, alignment, jointing, and connection of new HDPE piping and fittings; o Provision of bedding, backfilling, compaction, and reinstatement works; and o All associated works necessary for complete and functional integration with the existing drainage and spill containment system.	1	lot		
6.	Installation of Valves & Pipe Fittings. Provide competent manpower, tools, equipment, and accessories for complete installation, testing, alignment, and commissioning of the following items, including all necessary butt fusion welding, flange jointing, gaskets, bolts, supports, concrete works, and accessories:				
	a. Long Radius 90° Elbow for 180mm OD HDPE Pipe	1	ea		
	b. HDPE Flange Adaptor	4	ea		
	c. Stainless Steel Backing Rings	4	ea		
	d. 150mm Diameter Gate Valve	1	ea		
	e. 150mm Diameter Flap Valve	1	ea		
	f. Cast Iron Valve Box complete with concrete chamber/wall for underground valve installation.	1	ea		
				TOTAL AMOUNT	

Guaranteed Completion Period for: **..... days** from Purchase Order Date (inclusive of time for submission of RAMS for approval, attendance of Safety Induction Course, etc.)

_____ Date: _____
(Signature and Company Stamp)



NOTES

LEGEND

REFERENCE DRAWING

BER-01-15 206-P1	SITE PLAN OIL FILTRATION AT OREGEN POWER PLANT
BER-01-12 026-P1	OIL - WATER SEPARATOR OREGEN POWER PLANT SECTIONAL VIEW

REV	DESCRIPTION	DATE	DWN	CHK	APPR
0	ADDED 1X150ø HDPE PIPE FOR OREGEN TX OIL WATER SEPARATOR	12/05/26	D.T.Z.	Z.P.	C.P.

OPERATOR:

BPC شريكة كواس براكس سندريرين برحد
BERAKAS POWER COMPANY SDN BHD
Providing Power and Expertise to Serve You

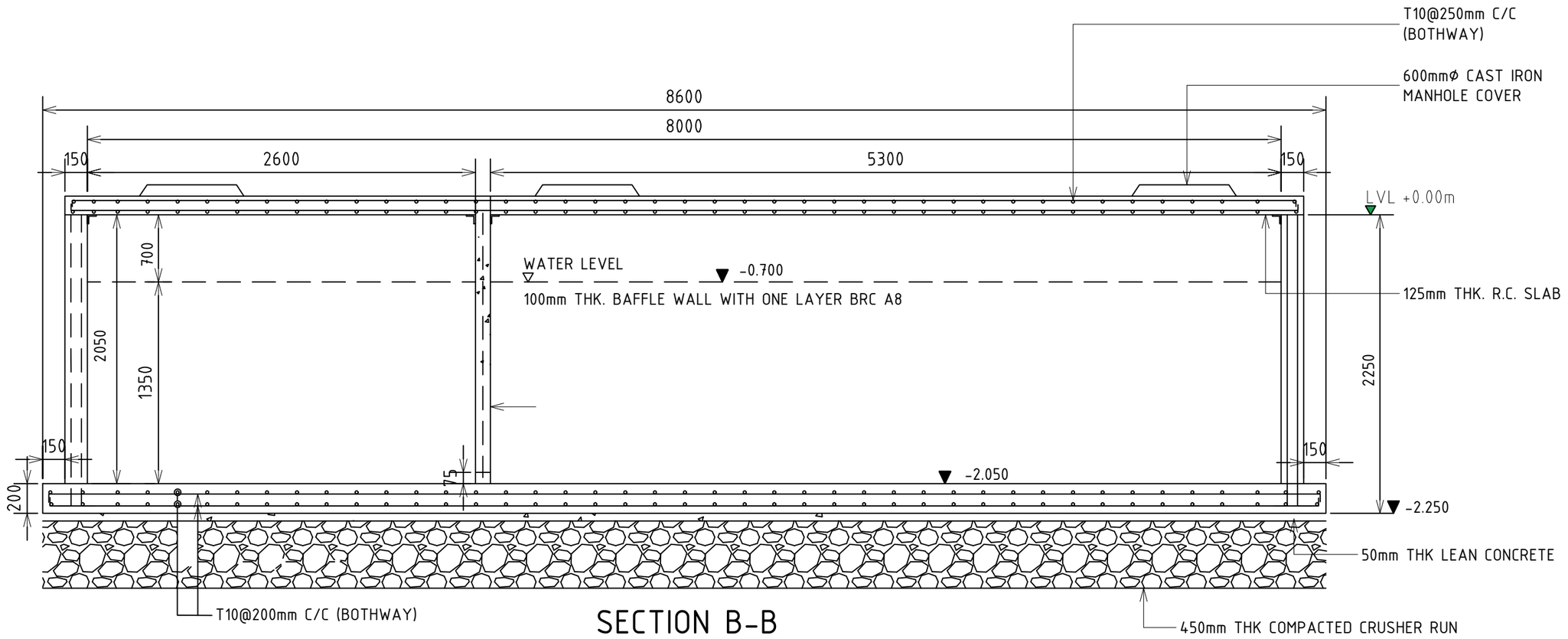
DRAWING TITLE:

LAYOUT PLAN
OREGEN POWER PLANT

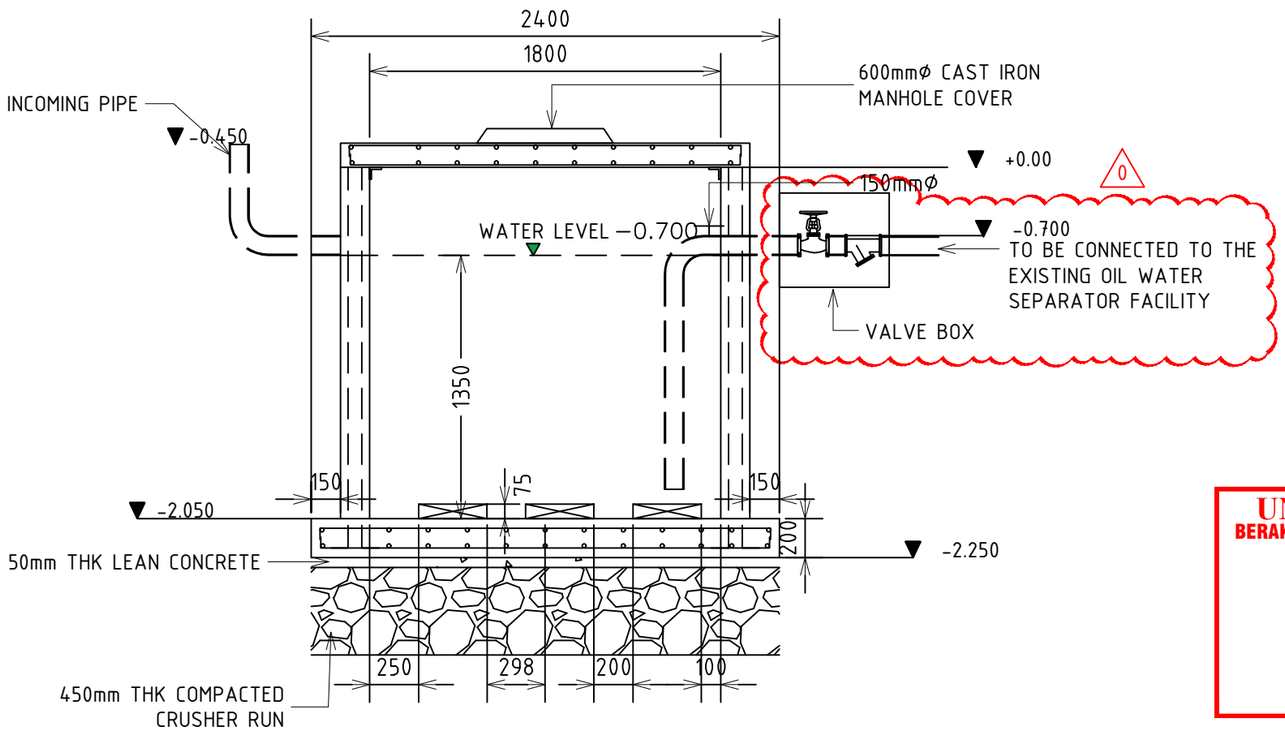
DRAWING NO:

BER-01-15 206-P1

SCALE	SIZE	REV	SHEET NO
N.T.S.	A3	0	1 OF 1



SECTION B-B



SECTION A-A

NOTES

LEGEND

REFERENCE DRAWING

BER-01-15 206-P1	SITE PLAN OIL FILTRATION AT OREGEN POWER PLANT
BER-01-12 022-P1	LAYOUT PLAN OREGEN POWER PLANT

REV	DESCRIPTION	DATE	DWN	CHK	APPR
0	ADDED 1X150Ø HDPE PIPE FOR OREGEN TX OIL WATER SEPARATOR	12/05/26	D.T.Z.	Z.P.	C.P.

OPERATOR:

BERAKAS POWER COMPANY SDN BHD
Providing Power and Expertise to Serve You

UNCONTROLLED
BERAKAS POWER COMPANY SDN BHD
ENGINEERING

12 MAY 2026

DRAWING TITLE:

OIL - WATER SEPARATOR OREGEN POWER PLANT SECTIONAL VIEW

DRAWING NO:

BER-01-12 026-P1

SCALE	SIZE	REV	SHEET NO
N.T.S.	A3	0	1 OF 1

C5 EVAPORATOR AND PREHEATER

HOT OIL EXPANSION VESSEL

MAINTENANCE AREA

EXISTING RC TRENCH

MISSING EP1.07

PUMP SUMP

PIL=28.87m

7.0m

450mm WIDE R.C. DRAIN WITH GRATING

(1.52X0.35) (1.50X0.33) (1.51X0.35)

(1.51X0.0.36)

(1.26X0.36)

(3.64X1.5

(1.43X0.34)

(1.53X0.30)

(3.69X1.50)

8m 0.24X0.37 1.60X0.36 2.32X0.36 2.27X0.36

3x200ø

1x150ø HDPE PIPE

SUMP PIT

48m

12m

±5.0

CONC.

UNCONTROLLED
BERAKAS POWER COMPANY SDN BHD
ENGINEERING

12 MAY 2026

NOTES

LEGEND

REFERENCE DRAWING

BER-01-12 026-P1	OIL - WATER SEPARATOR OREGEN POWER PLANT SECTIONAL VIEW
BER-01-12 022-P1	LAYOUT PLAN OREGEN POWER PLANT

REV	DESCRIPTION	DATE	DWN	CHK	APPR
0	ADDED 1X150ø HDPE PIPE FOR OREGEN TX OIL WATER SEPARATOR	11/05/26	D.T.Z.	Z.P.	C.P.

OPERATOR:

شركة كواس براكس سندريين برحد
BERAKAS POWER COMPANY SDN BHD
Providing Power and Expertise to Serve You

DRAWING TITLE:

SITE PLAN
OIL FILTRATION TANK FACILITY AT OREGEN POWER PLANT

DRAWING NO:

BER-01-15 206-P1

SCALE	SIZE	REV	SHEET NO
N.T.S.	A3	0	1 OF 1