

QUOTATION FOR UNDERGROUND SEWAGE PIPE REPLACEMENT AT AIR FREIGHT TERMINAL 3

1. SCOPE OF WORKS

- A. The Contractor shall be a license builders General Builder Class 1 (GB 1) under the Building Construction Authorities work head.
- B. To provide labors & tools to dismantle existing underground pipe & dispose from site. If the existing pipe is dislodged and there is water ponding, the contractor will need to drain out the water for their replacement work.
- C. To provide labors & tools to supply & install for the following;
 - i. Hack and excavate the existing slab
 - ii. Lay new 150mm Heavy Duty Ductile Iron (HDDI) underground pipe from existing inspection chamber connection to existing Man Hole c/w pipes, fittings, concrete reinforcement and connections estimated 60 meter in total. (refer to Annex A and Annex B for photos)
 - iii. Install 1 no. new inspection chamber c/w heavy-duty cover and frame.
 - iv. Make good of existing Inspection Chamber and manhole connection joint
 - v. Make good of existing slab and premix road after piping work.
- D. To provide drawings with Professional Engineer (PE) or Qualified Personnel (QP) endorsement, report and submission to the relevant authority. Professional Engineers (PEs) shall ensure that the water service installation (WSI) design works and the WSI works are done in compliance with the Public Utilities Board Regulations, any relevant Singapore standard and other statutory requirements.
- E. To provide traffic controllers or marshal and barricade during the physical work to ensure minimal or no disruption during the installation phase to the operations on the road side.
- F. No variation whether oral or otherwise in the terms of this Contract shall apply thereto unless such variation shall have first been expressly accepted in writing by the Contractor and the authorized contract signatory of the Employer

G. Site Progress Reports

- i. The report shall be submitted in PDF format, complete with photographs, projected progress, actual progress and short write up to employer's approval.
- ii. The report shall be submitted on bi-weekly basis based on employer's request throughout the contract period.
- iii. A Gantt chart for the timeline of the whole project shall be submitted in PDF format stating the when a specific type of work or process starts and ends.

H. Making Good and Site Cleaning

- i. Keep the site, buildings, adjacent roads and footpaths etc. clean during the progress of work and periodically cart away all dirt, building rubbish and superfluous materials as the Works proceed and at completion. Rubbish chute shall be erected and maintained in a safe condition and to be structurally sound.
- ii. Use entrances, exits and roads as only nominated. Make good any damage to fencing, piping, footways, roads and surfaces generally and any other work which may be disturbed or injured by cartage or other operations.
- iii. Surfaces damaged during delivery, erection or installation of equipment shall be repaired to its 'prior to damage' condition, approved by Employer.

I. To provide one (1) year or Twelve (12) months Defect Liability Period (DLP) from the date of handover.

To complete the project in 3 months from the date of Letter Of Award (LOA).

J. The Contractor shall adhere to the work hours below:

- i. Monday to Sunday – 0800H to 2000H;
- ii. No works shall be done outside the stipulated time on any day unless approved by the Employer.

K. Completion documents

- i. A general description of the installation work;
- ii. Identity of equipment suppliers / manufacturers, including names, address and contact numbers;
- iii. Equipment details, ie. Equipment schedule
- iv. Certificates of conformity;
- v. Part warranties;
- vi. Maintenance requirements, i.e. maintenance schedule and troubleshooting guides;

2. Breakdown prices

S/No	Description of Works	UOM	QTY	Unit Rate	Price
A. Preliminaries					
1.0	<p>Provide Contractor's All Risk policy</p> <p>To provide Workmen Compensation policy</p> <p>Site Supervisor, safety and project management.</p> <p>Carry out necessary site preparation / barricades / hoarding and safety measurement appropriate on site before commencement of works, including of removal of debris off site.</p> <p>Provide risk assessment & method of statement for necessary works.</p> <p>The Contractor shall ensure that the sites and surrounding areas are kept clean and tidy. All debris shall be quickly removed off site. The Contractor shall ensure that there shall not be any fire risk / hazard created during the course of work. The contractor shall make good of any works done after replacement or installation.</p> <p>Preparation of all relevant documents such as drawings, product catalogues, installation methods etc to Client for approval.</p>	Lump Sum			
B. AFT 2 Underground pipe replacement					
1.0	To provide labors & tools to supply & install for the following				
2.0	Hack and excavate the existing slab	Lot	1		
4.0	Lay new 150mm HDDI underground pipe from existing inspection chamber connection to existing Man Hole c/w pipes, fittings, concrete and connections	Lot	1		
5.0	Install 1 no. New inspection chamber c/w Heavy Duty cover and frame.	Lot	1		

4. Schedule of Deviations

The Tenderer shall list below or on separate sheets all deviations from the specification requirements.

Failure to comply with this condition and any deliberate attempts to conceal deviations from these requirements will invalidate the tender.

Tenders complying with basic requirements but with minor details not identical with those specified will not necessarily be rejected.

Explanation of these deviations shall however be furnished with the tender.

If no details are given the tender will be assumed to comply with the specification requirements in all respects.

S/N	Specification Reference	Deviation	Explanation	Cost implication (S\$)

Authorized Signature & Company Stamp

Date

5. Documents to be submitted

Contractors are to submit the following documents together with the necessary supporting documents ;

- I. Catalogue or specifications of the proposed pipe and it's accessories
- II. Proposed Method of statement
- III. Gantt chart for the proposed work
- IV. Company's track records of underground pipe replacement.

- Annex A

Architectural floor plan of the proposed Singapore Airport Terminal, showing the layout of the terminal building, baggage claim, and ground floor layout. The plan includes a legend, a title block, and a scale bar. The terminal building is a long, rectangular structure with a central corridor and multiple wings. The baggage claim area is located at the bottom of the plan. The ground floor layout is shown at the bottom right. The plan is dated 1980/03/31.

LEGEND

- TERMINAL BUILDING
- BAGGAGE CLAIM
- W & A SERVICES
- SECURITY ZONE
- IMMIGRATION/CUSTOMS
- GROUND FLOOR LAYOUT

PROPOSED SINGAPORE AIRPORT TERMINAL SERVICES CHANGE AND FACILITY TERMINAL

MODULE 3
Ground Floor Layout

S.L. CHOW & ASSOCIATES
ARCHITECTS

1980/03/31

- Annex B

Location Core F



Choked IC location

