

**ตารางแสดงวงเงินงบประมาณที่ได้รับจัดสรรและรายละเอียดค่าใช้จ่าย
การจัดซื้อจัดจ้างที่มีใช้งานก่อสร้าง**

๑. ชื่อโครงการจัดซื้อพร้อมติดตั้งซอฟต์แวร์จำลองการเดินรถไฟ
๒. หน่วยงานเจ้าของโครงการ.....สถาบันวิจัยและพัฒนาเทคโนโลยีระบบราง (องค์การมหาชน).....
๓. วงเงินงบประมาณที่ได้รับจัดสรร.....๑,๗๐๐,๐๐๐.....บาท
๔. วันที่กำหนดราคากลาง (ราคาอ้างอิง) ณ วันที่ ๙ สิงหาคม ๒๕๖๗.....
เป็นเงิน๑,๖๗๐,๘๕๕.....บาท
ราคา/หน่วย (ถ้ามี)-..... บาท
๕. แหล่งที่มาของราคากลาง (ราคาอ้างอิง)
๕.๑ OpenTrack Railway Technology GmbH.
๖. รายชื่อคณะกรรมการผู้กำหนดราคากลาง (ราคาอ้างอิง) ทุกคน
- ๖.๑ นายธีรวัตร โพธิกุล.....*Om*.....ประธานกรรมการ
- ๖.๒ นายณัฐติ เลาหะวิไล.....*ณัฐติ*.....คณะกรรมการ
- ๖.๓ นายธีรภัทร ภู่เกิด.....*ฐ*.....คณะกรรมการ

Rail Systems Engineering Sdn Bhd.

31 July 2024

**Rail Technology Research and
Development Agency
(Public Organization)**EXAT Expressway Administration Centre
111, 10th floor,
Rim Khlong Bang Kapi Rd,
Bang Kapi, Huai Khwang,
Bangkok 10310

Attn: Teerawat Pothikul

Originator: Ong Dee Keat
E-Mail: deekeat.ong@rse-rail.comOur Reference: **RSE.24.Q.0118****Quotation for one (1) OpenTrack Simulation Software, Training and Support for Rail
Technology Research and Development Agency (Public Organization).**

Dear Sir

We are pleased to submit herewith our Quotation for OpenTrack Railway Simulation Software for **Rail Technology Research and Development Agency (Public Organization)** as the final license holder and owner.

Licensing OpenTrack:

The package includes one (1) licence of the Software OpenTrack for an unlimited time of usage on one workstation, an application manual, and 1-day training for max 5 people (in English language) clients/end users offices or in Rail Systems Engineering Office. (Travel expenses not included)

After the included 12 months of support, on-going support (another 12 months) is possible for 15% of the total license fee paid.

The End License Holder is the **Rail Technology Research and Development Agency (Public Organization)**.

Software Licence Fee:

OpenTrack one (1) Software Licence	CHF	30'000
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Additional Year of Support and Upgrades:

One (1) Year additional Support and Upgrades	CHF	4'500
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Training works:

First Day Training

included

Additional Day Training (per day)

CHF**1'600**

We recommend 3 days of training.

Proceeding of a typical training day

A Typical Training Day Schedule		
9:00	- 11:00 AM	Course/Practical
11:00	- 11:15 AM	Break
11.15	- 1:00 PM	Course/Practical
1:00	- 2:00 PM	Lunch Break
2:00	- 4:30 PM	Course/Practical
4:30	- 5:00 PM	QnA
5:00	- 5:10 PM	Wrap Up

A typical day training shall start at 9am (Bangkok time) and expected to end at 5pm. The training shall be held on normal working days. The training will be conducted in English language.

Note: The day plan is a tentative program and can be subjected to changes.

Travel Expenses

Travel expenses are charged as fixed cost. For OpenTrack training, it will be conducted by a trainer from Kuala Lumpur. Cost includes: Transport Kuala Lumpur to Bangkok (Economy Class), Airport Transfers, Hotel Accommodation and Food for the trainer.

If there are more than 5 participants, a 2nd trainer from Kuala Lumpur is required. Additional charges will incur.

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Quotation

Quotation containing:

- One (1) OpenTrack Professional Software
- Two (2) additional day of OpenTrack software training
- Travel expenses for one trainer

Currency	CHF
i) One (1) OpenTrack Software <ul style="list-style-type: none">• Incl. 12 months of support and upgrade and 1 day of training max 5 people	30'000
ii) Withholding taxes on Item (i): 15% in Thailand	5'295
iii) Two (2) additional days of training for max 5 people	3'200
iv) Travel Expenses for one trainer <ul style="list-style-type: none">• Return Economy flight (Kuala Lumpur <-> Bangkok)• Including food, accommodation and travelling expenses for one trainer	1'500
v) Withholding taxes on Item (iii) and (iv): 15% in Thailand	830
Total Price	CHF 40,825

Taxes:

- All Swiss Taxes are listed or included
- **Thailand taxes (e.g. 15% Withholding tax in Thailand) are to be paid by the client.** If a different withholding tax rate is applicable, Rail Systems Engineering Sdn Bhd reserves the rights to amend the quotation to reflect the actual withholding taxes amount.

Provisions by Client:

- Provide all necessary project documentation, e.g., signalling plans, track layout and rolling stock information
- Training room with projector, a whiteboard and marker pens.
- Workstation with OpenTrack installed or where OpenTrack is to be set up during the training

Recommended Simulation Workstation (not included in this Quotation):

For best usage of OpenTrack simulation software we recommend to set up a dedicated simulation workstation, not being used for other purposes. Best suitable for this job is any up to date computer hardware (e.g. Intel I-7 system with 16 GMB Ram), best with 1 or 2 monitors of 24 inch, with an up to date operating system (e.g. Windows 10).

Official ordering process for the Software licence:

- Client orders one or more software(s) of OpenTrack (as a letter by post or pdf form by email).
- OpenTrack Railway Technology Ltd in Switzerland issues an invoice
- Client pays the invoice in full (100%)
- OpenTrack Railway Technology Ltd in Switzerland provides the software key(s).

Delivery Condition:

- Software will be delivered as download link by email (including manual and release notes)
- Licence Key will be delivered directly by OpenTrack Railway Technology Ltd. Switzerland by email. (see official ordering process)

Contact Person:

Name Ong Dee Keat
E-Mail deekeat.ong@rse-rail.com

Other terms and conditions:

- Training, Communication and Documentation Language shall be English
- A temporary OpenTrack software will be provided until full payment to OpenTrack Ltd is made
- Payment due: 30 days after invoice

Invoices to be paid to:

- **OpenTrack Ltd Switzerland**

Upon confirmation of received quotation, an invoice will be issued from OpenTrack Ltd, Switzerland to the client.

Validity:

This offer is valid for 3 months from the issuing date.

We trust that this offer meets with your expectation and we await your purchase order.

Yours faithfully
Rail Systems Engineering Sdn Bhd

Philipp Goetz
Managing Director