Sample report / របាយការណ៍គំរូ

On a real 360 m² school bid in Takeo, a US$29 check found

US$19,000

at risk, about 11% of the bid price.

ហានិភ័យ US$19,000 ប្រហែល 11% នៃតម្លៃដេញថ្លៃ

Quantities overstated in the client BOQ

បរិមាណក្នុង BOQ លើសពីប្លង់

Bid on them and a rival who measured undercuts you.

US$11,505

Work missing from the BOQ

ការងារដែលខ្វះពី BOQ

Leave it out and it comes out of your profit: 69% of it.

US$7,489

Payment stages add up to 105%

ដំណាក់កាលទូទាត់សរុប 105%

Six stages listed under a clause that says five.

Trap

Every line is traced like this. Ground slab rebar, structural sheet p.10

Client BOQ	~~5.23 t~~
Measured from the drawing	**2.44 t**
Overpriced on this line	**US$2,820**

Inside: **bid summary** p.2, **range and cost drivers** p.2A, **priced BOQ** p.4, **dimension sheet** p.5, **drawing evidence** p.7, **all findings** p.9, **PE sign-off** p.12, **stamp and signature (specimen)** p.24.
ខាងក្នុង៖ សង្ខេប ចន្លោះតម្លៃ BOQ មានតម្លៃ តារាងវិមាត្រ ភស្តុតាងលើប្លង់ ការរកឃើញ និងហត្ថលេខា PE ត្រា និងហត្ថលេខា (គំរូ)

Get this for your project, stamped by a Licensed PE (Cambodia) in 2 working days. Send drawings in the Sidoku QS bot

ទទួលរបាយការណ៍នេះសម្រាប់គម្រោងរបស់អ្នក មានត្រាវិស្វករ ក្នុង ២ ថ្ងៃធ្វើការ។ ផ្ញើប្លង់ក្នុង Bot

Questions: Telegram @MR_LEE085

US$29

per BOQ, up to 60 sheets

or US$49 a month

SAMPLE REPORT: example layout, not your numbers

Sidoku QS

BID PACK · DRAFT BOQ
កញ្ចប់ដេញថ្លៃ · BOQ ព្រាង

Multi-purpose building, primary school (sample)

អគារពហុបំណង សាលាបឋមសិក្សា (គំរូ)

Draft BOQ: QS review required
BOQ ព្រាង៖ ត្រូវការការពិនិត្យដោយ QS

SAMPLE
Example layout, not your numbers

Owner ម្ចាស់គម្រោង	NGO client (sample)
Location ទីតាំង	Takeo, Cambodia
Building អគារ	2 storeys, 360 m² gross floor area 2 ជាន់ ផ្ទៃកម្រាលសរុប 360 m²
Job reference លេខយោងការងារ	SAMPLE-TAK-01
Rate date · basis កាលបរិច្ឆេទតម្លៃ · មូលដ្ឋាន	2026-10-24 · client BOQ quantities, checked against the drawings បរិមាណតាម BOQ អតិថិជន ដែលបានពិនិត្យធៀបនឹងប្លង់

RECOMMENDED BID, EXCL. VAT
តម្លៃដេញថ្លៃដែលណែនាំ មិនរួម VAT

US$ 177,772

US$ 195,549 incl. 10% VAT
US$ 195,549 រួម VAT 10%
US$ 494 per m²
US$ 494 ក្នុងមួយ m²

Summary

សេចក្តីសង្ខេប

Bid US$ 177,772 excl. VAT. Before you submit, clarify 5 points with the client (section 6).
តម្លៃដេញថ្លៃ US$ 177,772 មិនរួម VAT។ មុនពេលដាក់ឯកសារ សូមបញ្ជាក់ 5 ចំណុចជាមួយអតិថិជន (ផ្នែកទី 6)។

177.8k	494	(11.5k)	RISK
Recommended bid, US$ excl. VAT តម្លៃដេញថ្លៃដែលណែនាំ US$ មិនរួម VAT	US$ per m², 360 m² US$ ក្នុងមួយ m²	Net client BOQ quantity errors found, US$ កំហុសបរិមាណសន្ធក្នុង BOQ អតិថិជន US$	Guideline s.13 payment stages 15+25+25+20+15+5 = 105% (says five stages, lists six) បញ្ហាកិច្ចសន្យាសំខាន់បំផុត

Bill ផ្នែក	US$ excl. VAT US$ មិនរួម VAT	Share ចំណែក
Preliminaries ការងារបឋម	11,178	6.6%
A. Structural works A. ការងារចនាសម្ព័ន្ធ	77,208	45.3%
B. Architectural works B. ការងារស្ថាបត្យកម្ម	64,482	37.9%
C. MEP: electrical, plumbing, ACMV, earthing C. ការងារ MEP៖ អគ្គិសនី ទឹក ម៉ាស៊ីនត្រជាក់ និងប្រព័ន្ធដី	17,415	10.2%
Bid on client BOQ តម្លៃដេញថ្លៃតាម BOQ អតិថិជន	**170,283**	**100.0%**
Scope gaps included (section 6) ការងារខ្វះដែលបានបញ្ចូល (ផ្នែកទី 6)	7,489	
Recommended bid, excl. VAT តម្លៃដេញថ្លៃដែលណែនាំ មិនរួម VAT	**177,772**	
VAT 10% អាករលើតម្លៃបន្ថែម (VAT)	17,777	
Recommended bid, incl. VAT តម្លៃដេញថ្លៃដែលណែនាំ រួម VAT	**195,549**	

SAMPLE
Example layout, not your numbers

Range and cost drivers
ចន្លោះតម្លៃ និងមុខការងារដែលចំណាយខ្ពស់បំផុត

Level 3 · Measured BOQ · Benchmark bands, calibrating
កម្រិត ៣ · BOQ វាស់ជាក់ស្តែង · ចន្លោះគោលដៅ កំពុងកែតម្រូវ

Expected / តម្លៃរំពឹងទុក (construction cost: sum of the priced BOQ lines, excl. VAT)

US$ 177,772

Range: **US$ 159,995** to **US$ 204,437** / ចន្លោះ US$ 159,995 ដល់ US$ 204,437

Low = best case: easy site, strong contractor.
ទាប = ករណីល្អបំផុត៖ ទីតាំងងាយ អ្នកម៉ៅការខ្លាំង។

Level 3 · arch + structure + MEP read · Range -10% / +15% of Expected. On a real report, factors that apply (for example a province site or the rainy season) add a few % to High and are listed here under "What pushes you toward High".
កម្រិត ៣ · ប្លង់ស្ថាបត្យកម្ម រចនាសម្ព័ន្ធ និង MEP · ចន្លោះ -10% / +15% ។ ក្នុងរបាយការណ៍ពិត ហេតុផលដូចជាទីតាំងខេត្ត ឬរដូវវស្សា បន្ថែមភាគរយបន្ថែមលើតម្លៃខ្ពស់ ហើយបង្ហាញនៅទីនេះក្រោម "អ្វីធ្វើឱ្យតម្លៃខ្ពស់"។

Top cost drivers / មុខការងារដែលចំណាយខ្ពស់បំផុត

Cost element ធាតុចំណាយ	Amount US$ ចំនួន	% of total % នៃសរុប	Cumulative % % បូកសរុប	Lines ជួរ
Rebar / ដែកពង្រឹង largest: Rebar, ground slab DB10@200	30,564	17.2%	17.2%	46
Concrete / បេតុង largest: Stair beams 1F	18,878	10.6%	27.8%	20
Formwork / ពុម្ពបេតុង largest: Formwork, stair beams (1F)	17,933	10.1%	37.9%	22
Roofing / ដំបូល largest: Steel roof frame	13,452	7.6%	45.5%	6
Masonry / ការងារឥដ្ឋ largest: Retaining Brick wall for buidling, stairand ramp thickness	12,457	7.0%	52.5%	5
Doors and windows / ទ្វារ និងបង្អួច largest: Alumimun-Glass Sliding Window (W1) W1: 1.6x2.3m, 5mm glass	12,155	6.8%	59.3%	16
Preliminaries / ការងារបឋម largest: Construction Management (surveying, supervising engineers	11,178	6.3%	65.6%	7
Electrical / អគ្គិសនី largest: Electrical network for light bulbs, fans and sockets	10,181	5.7%	71.3%	4
Plaster / ការបូកបាយអ largest: Walls plastering	10,148	5.7%	77.0%	7

9 of 17 cost elements reach 77.0% of the total (154 priced lines; stops at 75%, at most 12 elements). Lines of each element are on the next page.
ធាតុចំណាយ 9 ក្នុងចំណោម 17 ឈានដល់ 77.0% នៃសរុប (ជួរដែលបានដាក់តម្លៃ 154; ឈប់នៅ 75% ច្រើនបំផុត 12 ធាតុ)។ ជួរនីមួយៗមាននៅទំព័របន្ទាប់។

Other / ផ្សេងៗ: 1 line did not match a cost element and is not among the top elements: B 2.3 Decorative khmeRC.ulture (US$ 1,242).

SAMPLE REPORT: example layout, not your numbers

Lines in each cost element

ជួរក្នុងធាតុចំណាយនីមួយៗ

Rebar / ដែកពង្រឹង	US$ 30,564 · 46 lines
A 2.4.1 Rebar, ground slab DB10@200	5,293
A 2.14.1 Rebar, 1F slab DB10@200	5,293
A 3.1.2 14 B1 (200x300)mm Reinforcement Work for OverBeam B1	2,409
A 2.1.1 16 Reinforcement Bar DB 16mm for GB1 and GB2 Work	2,095
A 2.13.1 16 Reinforcement Bar DB 16mm for GB1 and GB2 Work	1,822
A 1.3.1 Reinforcement work for footings	1,660
A 2.8.1 14 C1 Reinforcement Work for C1	1,376
+ 39 more lines	10,617

Concrete / បេតុង	US$ 18,878 · 20 lines
A 2.15.4 Stair beams 1F	1,996
A 2.2.5 Stair/ramp support beams GF	1,953
A 2.14.3 1F slab 100 mm	1,917
A 2.4.3 Ground slab 100 mm	1,868
B 1.2.7 Columns	1,840
A 2.13.6 1F beams	1,748
A 2.1.6 Ground beams GB1/GB2/GB3	1,556
+ 13 more lines	5,999

Formwork / ពុម្ពបេតុង	US$ 17,933 · 22 lines
A 2.15.3 Formwork, stair beams (1F)	2,128
A 2.2.4 Stair/ramp beam formwork GF	1,915
A 2.14.2 Formwork for Ground Slab	1,873
A 2.13.5 GB1 GB2 GB3 Formwork for GB1 300mmx500mm and GB2 200	1,782
A 2.1.5 GB1 GB2 GB3 Formwork for GB1 300mmx500mm and GB2 200	1,470
A 2.8.3 Formwork, GF columns	1,168
A 2.11.3 Formwork, 1F columns	1,141
+ 15 more lines	6,456

Roofing / ដំបូល	US$ 13,452 · 6 lines
B 2.1 Steel roof frame	4,731
B 2.2 Roof tiles, sloped area	4,174
A 3.1.4 Roof beams (check whether total includes RC false ce	2,157
B 2.4 Wooden fascia	2,125
A 3.3.1 (150x200)mm Formork for Roof Capping (150x200)mm	156
A 3.3.3 (150x200)mm Concrete Work for Roof Capping (150x200)	109

Masonry / ការងារឥដ្ឋ	US$ 12,457 · 5 lines
B 1.1.1 Retaining Brick wall for buidling, stairand ramp thi	4,149
B 1.1.2 Hollow -Solid Brick wall for buidling, thickness of	3,949
B 1.1.3 10 Hollow Brick wall for building, thickness of 10cm	3,197
B 1.1.4 100mm Ventilation Brick Wall for building 10 cm Thk.	748
B 1.3.1 Decoration of ventilation block	414

Doors and windows / ទ្វារ និងបង្អួច	US$ 12,155 · 16 lines
B 3.5 Alumimun-Glass Sliding Window (W1) W1: 1.6x2.3m, 5mm	2,539
B 3.3 Single swing steel-door with painnt finish D1: 0.9x2	2,174
B 3.9 Alumimun-Glass Sliding Window (W5) W2:2.8x2.6m, 5mm	1,256
B 3.1 Double swing steel-door with painnt finish D1: 1.6x2	1,196
B 3.11 Metal grill for W1	1,138
B 3.8 Alumimun-Glass Sliding Window (W4) W2:1.8x2.6m, 5mm	807
B 3.4 Single swing steel-door with painnt finish D1: 0.7x2	794
+ 9 more lines	2,251

Preliminaries / ការងារបឋម	US$ 11,178 · 7 lines
P 6 Construction Management (surveying, supervising engi	6,900
P 4 2m Safety fence(Zince+ galvanize steel Structure); 2	1,518
P 5 Environment and safety management (Materials storage	920
P 2 Water connection & utilities	690
P 3 Land clearance for construction site	460
P 7 Site clean up after Completed the Construction	402
P 1 Sign Board for project	288

Electrical / អគ្គិសនី	US$ 10,181 · 4 lines
C 1.4 Electrical network for light bulbs, fans and sockets	6,494
C 1.2 Electrical system connections from MB to circuit bre	2,446
C 2.1 PVC 27mm Pit 10 Air-Terminal including Earthing Rod	748
C 1.1 MDB Installation Main D istribution Board and Miain	493

Plaster / ការបូកបាយអ	US$ 10,148 · 7 lines
B 1.2.8 Walls plastering	6,514
B 1.2.6 B1, B2 and B3 Plastering over Beam B1, B2 and B3	1,955
B 1.2.2 Plastering RC false roof ceiling (bottom slab+wall)	460
B 1.2.1 Plastering Gable wall	345
B 1.2.4 Plastering upper part wall of RC false ceiling	345
B 1.2.10 Plastering Stair & Ramp	299
B 1.2.3 Plastering RC false roof ceiling of gable wall	230

SAMPLE REPORT: example layout, not your numbers

Two prices to choose from
តម្លៃពីរសម្រាប់ជ្រើសរើស

- **US$ 177,772**: client BOQ quantities plus scope gaps. Safe if the client will not accept quantity comments.
  US$ 177,772៖ បរិមាណតាម BOQ អតិថិជន បូកការងារខ្វះ។ មានសុវត្ថិភាព ប្រសិនបើអតិថិជនមិនទទួលយកការកែបរិមាណ។
- **US$ 166,267**: corrected quantities plus scope gaps. Competitive if rivals spot the same errors.
  US$ 166,267៖ បរិមាណដែលបានកែ បូកការងារខ្វះ។ អាចប្រកួតប្រជែងបាន ប្រសិនបើដៃគូប្រកួតរកឃើញកំហុសដូចគ្នា។

Assumptions
ការសន្មត

- Rates are Sidoku QS reference rates dated 2026-10-24. Confirm key materials with supplier quotes.
  តម្លៃឯកតាជាតម្លៃយោងរបស់ Sidoku QS ចុះកាលបរិច្ឆេទ 2026-10-24។ សូមបញ្ជាក់សម្ភារៈសំខាន់ៗជាមួយសម្រង់តម្លៃអ្នកផ្គត់ផ្គង់។
- Overhead 8% and profit 7% on direct cost (factor 1.15).
  ចំណាយទូទៅ 8% និងប្រាក់ចំណេញ 7% លើថ្លៃដើមផ្ទាល់ (មេគុណ 1.15)។
- 6-month programme.
  រយៈពេលអនុវត្ត 6 ខែ។

Cash: 15% advance on signing (US$ 29,332), 10% performance security, 5% retention (US$ 9,777) held 12 months. Delay damages US$ 75/day, cap US$ 2,250.
ប្រាក់កក់ 15% ពេលចុះហត្ថលេខា (US$ 29,332) ធានាការអនុវត្តការងារ 10% ប្រាក់រក្សាទុក 5% (US$ 9,777) រយៈពេល 12 ខែ។ ប្រាក់ពិន័យពន្យារពេល US$ 75 ក្នុងមួយថ្ងៃ ពិដាន US$ 2,250។

SAMPLE
Example layout, not your numbers

Priced bill of quantities

តារាងបរិមាណការងារ និងតម្លៃ

Client quantities. Unit prices include overhead and profit. RISK and CHECK mark lines where the drawings disagree (section 6).
បរិមាណតាមអតិថិជន។ តម្លៃឯកតារួមបញ្ចូលចំណាយទូទៅ និងប្រាក់ចំណេញ។ RISK និង CHECK សម្គាល់ជួរដែលប្លង់មិនស៊ីគ្នា (ផ្នែកទី 6)។

Preliminary Works

Item មុខការងារ	Description ការពិពណ៌នា	Unit ឯកតា	Qty បរិមាណ	Rate US$ តម្លៃឯកតា US$	Amount US$ ទឹកប្រាក់ US$
1	ការដំឡើងផ្ទាំកឈ្មោះគម្រោង (ធំ តូច) Sign Board for project	Lot	1.00	287.50	287.50
2	ការតភ្ជាប់ និងប្រើប្រាស់ទឹកនៅការដ្ឋាន Water connection & utilities	Lot	1.00	690.00	690.00
3	ការឈូសឆាយសម្អាតទីតាំងសាងសង់ Landclearance for construction site	Lot	1.00	460.00	460.00
4	របងសុវត្ថិភាព គ្រោងដែកទីប បាំងស័ង្កសីកម្ពស់ 2m Safety fence(Zince+ galvanize steel Structure); 2m High	m	60.00	25.30	1,518.00
5	ការងារគ្រប់គ្រងបរស្ថាន និងសុវត្ថិភាពក្នុងការដ្ឋាន Environment and safety management (Materials storage, safety site access/traffic arrangement, waste management, site safety measures and monitoring, PPE)	Lot	1.00	920.00	920.00
6	ការគ្រប់គ្រងការងារសាងសង់ Construction Management (surveying, supervising engineers and key experts for coordination as per contract, shop drawing, submittals, as built, meeting, reports)	Lot	1.00	6,900.00	6,900.00
7	ការងារសម្អាតកាកសំណល់ និងសម្អាតបរិស្ថានក្រោយពេលបញ្ចប់ការងារសាងសង់ Site clean up after Completed the Construction	Lot	1.00	402.50	402.50
	Total សរុប				**11,178.00**

BOQ Construction

Item មុខការងារ	Description ការពិពណ៌នា	Unit ឯកតា	Qty បរិមាណ	Rate US$ តម្លៃឯកតា US$	Amount US$ ទឹកប្រាក់ US$
A	**ការងាររគ្រឿងបង្គុំអគារ Structural Works**				
1	**ការងារផ្នែកគ្រឹះ Foundation Works**				
1.1	**ការងារដើ Earth Works**				
1.1.1	ការងារសរសរគ្រឹះ (0.2x0.2x3.5)m Driven Pile(0.2x0.2x3.5)m CHECK	m	199.80	19.55	3,906.09
1.1.2	ការងារជីកដើរជើងតាង Soil excavation for footing CHECK	m³	171.00	5.18	885.78
1.1.3	ការងារជីកដីសម្រាប់ជញ្ជាំងទប់ដី Soil excavation for retaining wall	m³	19.20	5.18	99.46
1.1.4	ការងារជីកដើសម្រាប់បេតុងធ្នឹមទ្រជណ្តើរ Soil excavation for stair beams	m³	3.00	5.18	15.54
1.1.5	ការងារជីកដីសម្រាប់ផ្លូវជុំវិញអគារ Soil excavation walk way	m³	11.40	4.60	52.44
1.1.6	ការងារចាក់លុប និងបង្ហាប់ដីរណ្តៅជើងតាង Soil backfilling with compaction for footing pits CHECK	m³	171.00	4.03	689.13
1.1.7	ការងារចាក់បំពេញ និងបង្ហាប់ដីល្បាយខ្សាច់ ឬខ្សាច់ទន្លេ ក្រោមកម្រាលបាតអគារ ជណ្តើរ ឬជម្រាល Sand compaction under ground slab, stair and ramp	m³	90.00	10.93	983.70
1.2	**ការងារចាក់បង្ហាប់ថ្ម 4x6 និចាយអរ Stone 4x6 Compaction and Mortar Morks**				

SAMPLE
Example layout, not your numbers

Dimension sheet

តារាងវិមាត្រ

Every quantity shows its own sum. Change an input in the Excel file (Spot Check) and the quantity follows.

បរិមាណនីមួយៗបង្ហាញការគណនារបស់វា។ កែធាតុចូលក្នុងឯកសារ Excel (Spot Check) ហើយបរិមាណនឹងប្តូរតាម។

BOQ BOQ	Member ធាតុសំណង់	Drawing ប្លង់	Sum ការគណនា	Qty បរិមាណ	Unit ឯកតា	Client BOQ BOQ អតិថិជន	Status ស្ថានភាព
1.1.1	Driven piles 200x200 Count caps: PC1 x 2 piles, PC2 x 4 piles. Pile schedule says 54 piles, 199.8 m = 3.7 m each, but type says 200x3.5m. Check pile detail for cut-off.	ST p14: Foundation layout, Pile cap schedule, Pile schedule	(17×2+5×4)×3.5 PC1 count · piles/PC1 · PC2 count · piles/PC2 · pile length m	**189.00**	m	199.80	CHECK
1.1.2	Excavation for pile caps Pit = (cap L + 2 x working space) x (cap W + 2 x ws) x depth. PC1 1.2x0.6, PC2 1.2x1.2 (fixed in formula). Depth -0.45 to -1.70.	ST p14 schedules (cap sizes, bottom -1.60, lean -1.70); AR p12 ground -0.45	17×(1.2+2×0.5)×(0.6+2×0.5)×1.25+5×(1.2+2×0.5)^2×1.25 PC1 count · PC2 count · working space m · depth m	**105.05**	m³	171.00	CHECK
1.1.6	Backfill to pits Backfill = excavation - pile caps - lean - stumps. BOQ uses backfill = excavation.	BOQ 1.1.2 and ST p10/p14 schedules	171-11.66-2.67-2.87 BOQ excavation · caps m3 · lean m3 · stumps m3	**153.80**	m³	171.00	CHECK
1.2.5	Stone 4x6 under ground slab Slab area x thickness.	AR p3 GF plan (20 x 9 m); BOQ says 10 cm	180×0.1 slab area m2 · thickness m	**18.00**	m³	27.00	CHECK
1.3.2	Formwork, pile caps Sides only: perimeter x 0.6 m. NOTE: schedule gives 3 and 4 m2 per cap = sides + top face, so 17x3+5x4 = 71 = BOQ. Difference is the measurement rule, not an error.	ST p14 pile cap schedule (Formwork column: 3 m2 PC1, 4 m2 PC2)	17×2×(1.2+0.6)×0.6+5×4×1.2×0.6 PC1 count · PC2 count	**51.12**	m²	71.00	CHECK
1.4.4	Formwork, stump columns Add the two stump lines of the column schedule.	ST p10 Column schedule ground floor: two C1 lines of 22 (26 m2 + 12 m2)	26+12 line 1 m2 · line 2 m2	**38.00**	m²	48.23	CHECK
1.4.5	Stump columns C1 x22 Add the two stump lines.	ST p10 Column schedule ground floor (1.98 + 0.89 m3)	1.98+0.89 line 1 m3 · line 2 m3	**2.87**	m3	3.22	CHECK
2.2.4	Stair/ramp beam formwork GF BOQ 185 m2 equals the slab area. Stair beams = beam schedule total - main ground beams.	ST p10 Floor schedule: SLAB 100THK = 185 m2 / 18.46 m3. Beam schedule TOTAL 166 m2 vs main GB 146 m2	166-146 beam total m2 · main GB m2	**20.00**	m2	185.00	CHECK
2.2.5	Stair/ramp support beams GF BOQ 18.46 m3 equals the slab volume. Stair beams = total - main GB.	ST p10 Beam schedule: TOTAL 16.09 m3 vs main GB 14.67 m3	16.09-14.67 beam total m3 · main GB m3	**1.42**	m3	18.46	CHECK
2.4.1	Rebar, ground slab DB10@200 Area x bars per m x directions x layers x 0.617 kg/m x lap factor. DB10 = 0.617 kg/m.	ST p10 slab note + slab section detail (check: 1 or 2 layers?)	180÷0.2×2×2×0.617×1.1÷1000 area m2 · spacing m · directions · layers · lap factor	**2.44**	ton	5.23	RISK

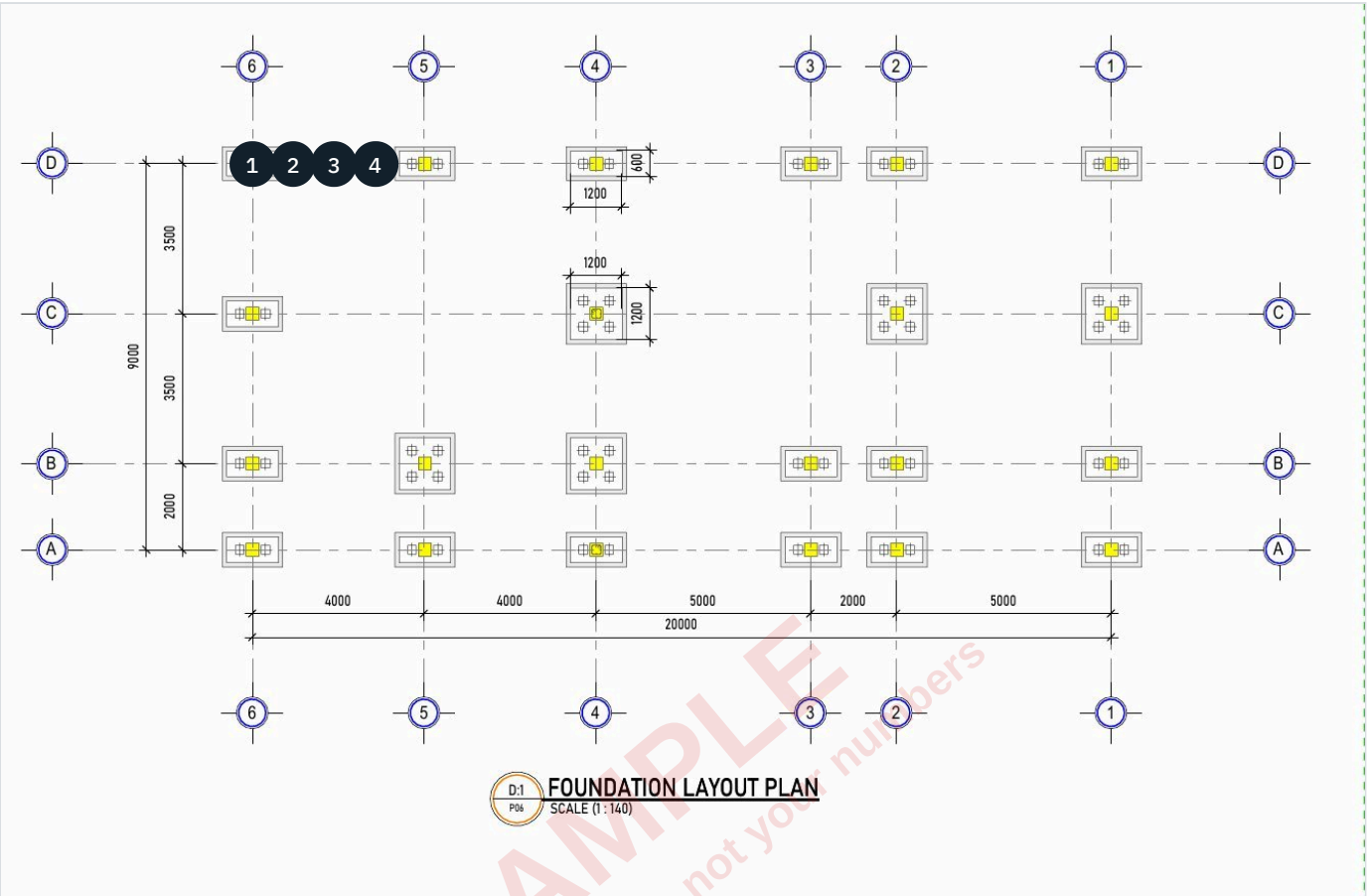
SAMPLE
Example layout, not your numbers

BOQ BOQ	Member ធាតុសំណង់	Drawing ប្លង់	Sum ការគណនា	Qty បរិមាណ	Unit ឯកតា	Client BOQ BOQ អតិថិជន	Status ស្ថានភាព
2.4.2	Formwork, ground slab If slab is cast on compacted fill, only the edge needs forms: perimeter x thickness. If cast over a void, BOQ 180 m2 is right.	ST p10 (slab EL +0.450 on fill, ground beams formed separately)	58×0.1 perimeter m · slab thk m	**5.80**	m²	180.00	RISK
2.8.3	Formwork, GF columns Add C1 + C2 from the schedule.	ST p10 Column schedule: C1 x16 = 73 m2, C2 x6 = 27 m2	73+27 C1 m2 · C2 m2	**100.00**	m²	127.00	CHECK
2.8.6	GF columns C1 x16 + C2 x6 Add C1 + C2.	ST p10 Column schedule: 5.46 + 2.05 m3	5.46+2.05 C1 m3 · C2 m3	**7.51**	m3	8.43	CHECK
2.11.3	Formwork, 1F columns Read the 1F line.	ST p11 Column schedule 1st floor: C1 x21 = 93 m2	93 C1 m2	**93.00**	m²	124.00	CHECK
2.11.6	1F columns C1 x21 Read the 1F line.	ST p11 Column schedule 1st floor: 6.99 m3	6.99 C1 m3	**6.99**	m3	8.21	CHECK
2.14.1	Rebar, 1F slab DB10@200 Same method as 2.4.1.	ST p11 slab note + slab detail	180÷0.2×2×2×0.617×1.1÷1000 area m2 · spacing m · directions · layers · lap factor	**2.44**	ton	5.23	RISK
2.15.3	Formwork, stair beams (1F) BOQ 185 m2 repeats the GF slab area. Stair beams = total - main beams.	ST p11 Beam schedule: TOTAL 159 m2 vs main beams 154 m2	159-154 beam total m2 · main m2	**5.00**	m²	185.00	CHECK
2.15.4	Stair beams 1F BOQ 18.46 m3 repeats the GF slab volume.	ST p11 Beam schedule: TOTAL 16.64 m3 vs main 16.26 m3	16.64-16.26 beam total m3 · main m3	**0.38**	m3	18.46	CHECK
3.1.1	Formwork, roof beams Read schedule total. CHECK which members it holds: if the 114 m2 / 17.00 m3 line is an RC false-ceiling slab, it may sit under Architectural 1.2.2 instead.	ST p12 Beam schedule bottom roof: TOTAL 250 m2	250 schedule total m2	**250.00**	m²	56.00	CHECK
3.1.4	Roof beams (check whether total includes RC false ceiling) Read schedule total. Same check as above.	ST p12 Beam schedule bottom roof: TOTAL 27.19 m3	27.19 schedule total m3	**27.19**	m3	19.14	CHECK
3.2.3	Formwork, king posts Add RC1 + RC2.	ST p12 Column schedule: RC1 10 m2 + RC2 23 m2	10+23 RC1 m2 · RC2 m2	**33.00**	m²	45.00	CHECK
3.2.4	King posts RC1 + RC2 Add RC1 + RC2.	ST p12 Column schedule: RC1 0.50 + RC2 1.16 m3	0.5+1.16 RC1 m3 · RC2 m3	**1.66**	m3	2.96	CHECK
B2.1	Steel roof frame Sloped area = plan area / cos(pitch). Pitch = atan(rise / half-span). CHECK rise: eave tip sits below +7.50, so measure on the section.	AR p5 roof plan (22 x 11 m incl. overhang), AR p12 section B-B (roof beam +7.50, ridge +12.50)	242÷cos(atan(5÷5.5)) plan area m2 · rise m · half-span m	**327.05**	m²	242.00	CHECK
B2.2	Roof tiles, sloped area Same as above.	Same as roof frame	242÷cos(atan(5÷5.5)) plan area m2 · rise m · half-span m	**327.05**	m2	242.00	CHECK

SAMPLE
Example layout, not your numbers

Evidence: ST p14 · Foundation layout

ភស្តុតាង

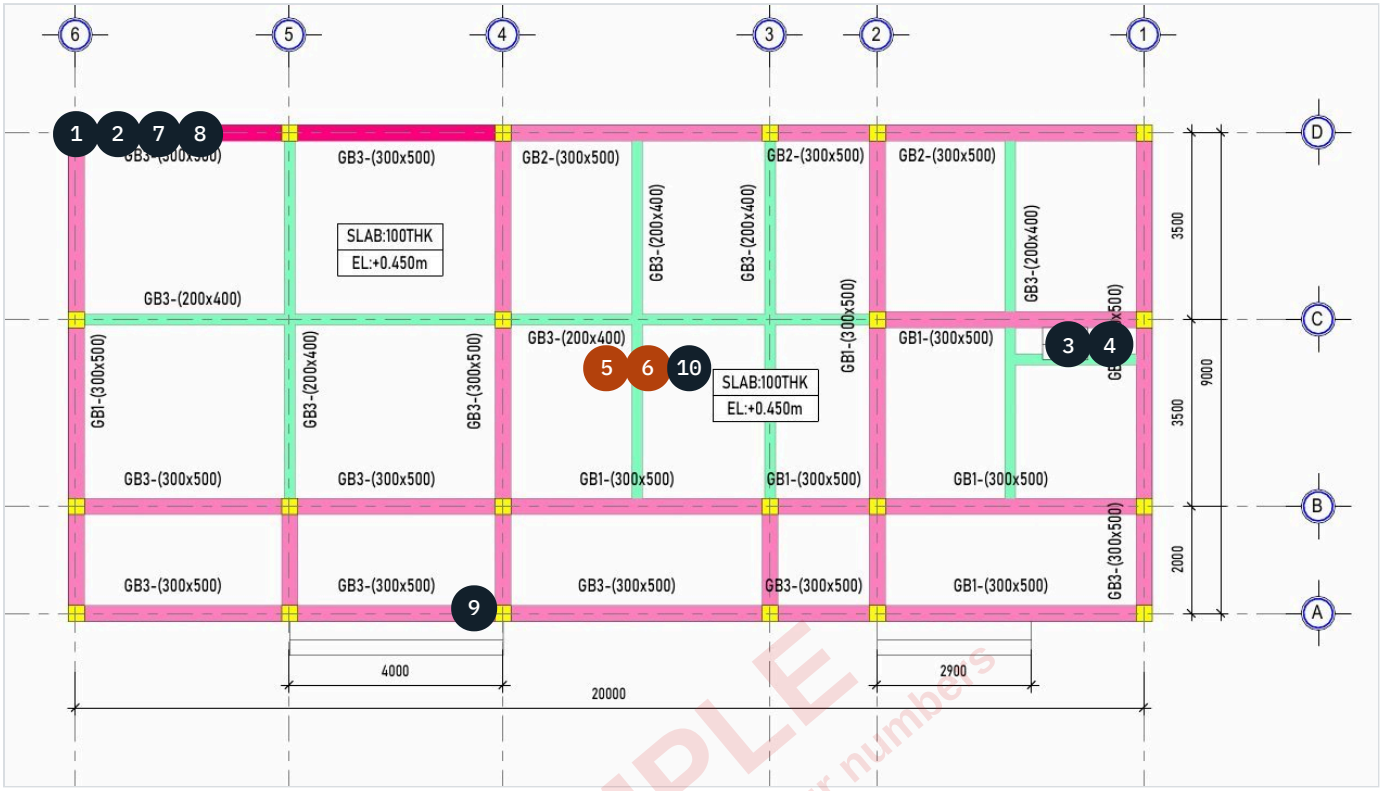


SAMPLE
Example layout, not your numbers

Pin	Member ធាតុសំណង់	Qty បរិមាណ	Where កន្លែង	Status ស្ថានភាព
1	Driven piles 200x200	189.00 m	ST p14: Foundation layout, Pile cap schedule, Pile schedule	CHECK
2	Excavation for pile caps	105.05 m³	ST p14 schedules (cap sizes, bottom -1.60, lean -1.70); AR p12 ground -0.45	CHECK
3	Formwork, pile caps	51.12 m²	ST p14 pile cap schedule (Formwork column: 3 m2 PC1, 4 m2 PC2)	CHECK
4	Pile caps PC1 x17 + PC2 x5	11.66 m3	structural.pdf p14 pile cap schedule	OK

Evidence: ST p10 · Ground floor beams and slab

ភស្តុតាង



Pin	Member ធាតុសំណង់	Qty បរិមាណ	Where កន្លែង	Status ស្ថានភាព
1	Formwork, stump columns	38.00 m²	ST p10 Column schedule ground floor: two C1 lines of 22 (26 m2 + 12 m2)	CHECK
2	Stump columns C1 x22	2.87 m3	ST p10 Column schedule ground floor (1.98 + 0.89 m3)	CHECK
3	Stair/ramp beam formwork GF	20.00 m2	ST p10 Floor schedule: SLAB 100THK = 185 m2 / 18.46 m3. Beam schedule TOTAL 166 m2 vs main GB 146 m2	CHECK
4	Stair/ramp support beams GF	1.42 m3	ST p10 Beam schedule: TOTAL 16.09 m3 vs main GB 14.67 m3	CHECK
5	Rebar, ground slab DB10@200	2.44 ton	ST p10 slab note + slab section detail (check: 1 or 2 layers?)	RISK
6	Formwork, ground slab	5.80 m²	ST p10 (slab EL +0.450 on fill, ground beams formed separately)	RISK
7	Formwork, GF columns	100.00 m²	ST p10 Column schedule: C1 x16 = 73 m2, C2 x6 = 27 m2	CHECK
8	GF columns C1 x16 + C2 x6	7.51 m3	ST p10 Column schedule: 5.46 + 2.05 m3	CHECK
9	Ground beams GB1/GB2/GB3	14.67 m3	structural.pdf p10 beam schedule	OK
10	Ground slab 100 mm	18.46 m3	structural.pdf p10 floor schedule	OK

SAMPLE
Example layout, not your numbers

Flags and clarifications

ចំណុចត្រូវបញ្ជាក់

Send these to the client before the deadline.

ផ្ញើចំណុចទាំងនេះទៅអតិថិជនមុនកាលកំណត់។

# ល.រ	Contract and pricing issue បញ្ហាកិច្ចសន្យា និងតម្លៃ	Where កន្លែង	Status ស្ថានភាព
1	Guideline s.13 payment stages 15+25+25+20+15+5 = 105% (says five stages, lists six)		RISK
2	Tender form: price includes all taxes; guideline s.9: VAT-registered bidders show VAT separately		RISK
3	MEP BOQ prices CCTV/network equipment at $0 material (labour only); PoE switch qty 16 looks copied from port count		CHECK

Client BOQ quantities that disagree with the drawings

បរិមាណក្នុង BOQ អតិថិជនដែលមិនស៊ីនឹងប្លង់

BOQ BOQ	Item · where to look មុខការងារ · កន្លែងត្រូវមើល	Unit ឯកតា	Client អតិថិជន	Measured បានវាស់	Value US$ តម្លៃ US$
2.4.1	Rebar, ground slab DB10@200 ST p10 slab note + slab section detail (check: 1 or 2 layers?)	ton	5.23	2.44	(2,820)
2.14.1	Rebar, 1F slab DB10@200 ST p11 slab note + slab detail	ton	5.23	2.44	(2,820)
2.15.3	Formwork, stair beams (1F) ST p11 Beam schedule: TOTAL 159 m2 vs main beams 154 m2	m²	185.00	5.00	(2,070)
2.15.4	Stair beams 1F ST p11 Beam schedule: TOTAL 16.64 m3 vs main 16.26 m3	m3	18.46	0.38	(1,954)
2.2.5	Stair/ramp support beams GF ST p10 Beam schedule: TOTAL 16.09 m3 vs main GB 14.67 m3	m3	18.46	1.42	(1,803)
2.2.4	Stair/ramp beam formwork GF ST p10 Floor schedule: SLAB 100THK = 185 m2 / 18.46 m3. Beam schedule TOTAL 166 m2 vs main GB 146 m2	m2	185.00	20.00	(1,708)
B2.4	Wooden fascia AR p5 roof plan; AR elevations for board height	m2	66.00	19.80	(1,488)
2.4.2	Formwork, ground slab ST p10 (slab EL +0.450 on fill, ground beams formed separately)	m²	180.00	5.80	(1,002)
1.2.5	Stone 4x6 under ground slab AR p3 GF plan (20 x 9 m); BOQ says 10 cm	m³	27.00	18.00	(393)
1.1.2	Excavation for pile caps ST p14 schedules (cap sizes, bottom -1.60, lean -1.70); AR p12 ground -0.45	m³	171.00	105.05	(342)
2.11.3	Formwork, 1F columns ST p11 Column schedule 1st floor: C1 x21 = 93 m2	m²	124.00	93.00	(285)
2.8.3	Formwork, GF columns ST p10 Column schedule: C1 x16 = 73 m2, C2 x6 = 27 m2	m²	127.00	100.00	(248)
1.1.1	Driven piles 200x200 ST p14: Foundation layout, Pile cap schedule, Pile schedule	m	199.80	189.00	(211)
3.2.3	Formwork, king posts ST p12 Column schedule: RC1 10 m2 + RC2 23 m2	m²	45.00	33.00	(152)
3.2.4	King posts RC1 + RC2 ST p12 Column schedule: RC1 0.50 + RC2 1.16 m3	m3	2.96	1.66	(150)

SAMPLE
Example layout, not your numbers

BOQ BOQ	Item · where to look មុខការងារ · កន្លែងត្រូវមើល	Unit ឯកតា	Client អតិថិជន	Measured បានវាស់	Value US$ តម្លៃ US$
2.11.6	1F columns C1 x21 ST p11 Column schedule 1st floor: 6.99 m3	m3	8.21	6.99	(135)
1.3.2	Formwork, pile caps ST p14 pile cap schedule (Formwork column: 3 m2 PC1, 4 m2 PC2)	m²	71.00	51.12	(114)
2.8.6	GF columns C1 x16 + C2 x6 ST p10 Column schedule: 5.46 + 2.05 m3	m3	8.43	7.51	(101)
1.4.4	Formwork, stump columns ST p10 Column schedule ground floor: two C1 lines of 22 (26 m2 + 12 m2)	m²	48.23	38.00	(94)
1.1.6	Backfill to pits BOQ 1.1.2 and ST p10/p14 schedules	m³	171.00	153.80	(69)
1.4.5	Stump columns C1 x22 ST p10 Column schedule ground floor (1.98 + 0.89 m3)	m3	3.22	2.87	(38)
3.1.4	Roof beams (check whether total includes RC false ceiling) ST p12 Beam schedule bottom roof: TOTAL 27.19 m3	m3	19.14	27.19	907
B2.2	Roof tiles, sloped area Same as roof frame	m2	242.00	327.05	1,467
B2.1	Steel roof frame AR p5 roof plan (22 x 11 m incl. overhang), AR p12 section B-B (roof beam +7.50, ridge +12.50)	m²	242.00	327.05	1,663
3.1.1	Formwork, roof beams ST p12 Beam schedule bottom roof: TOTAL 250 m2	m²	56.00	250.00	2,454
	Net value of all differences checked តម្លៃសុទ្ធនៃភាពខុសគ្នាទាំងអស់ដែលបានពិនិត្យ				**(11,505)**

Shown on the drawings or required by the tender, missing or short in the BOQ

មាននៅក្នុងប្លង់ ឬតម្រូវដោយការដេញថ្លៃ ប៉ុន្តែខ្វះ ឬមិនគ្រប់ក្នុង BOQ

Item · source មុខការងារ · ប្រភព	Unit ឯកតា	Qty បរិមាណ	US$ all-in US$ តម្លៃរួម	In bid ក្នុងតម្លៃដេញថ្លៃ
Septic tank 3.8 x 2.0 x 2.5 m, RC/brick, 3 chambers, covers Arch sheet 14	lot	1	1,668	**Included** បានបញ្ចូល
Soakaway / leaching pit after septic tank Arch sheet 14 ('to soakaway')	lot	1	460	**Included** បានបញ្ចូល
Water closet, complete with fittings Arch GF/1F plans: 3 WC	nr	3	569	**Included** បានបញ្ចូល
Wash basin with tap Arch 1F plan	nr	3	293	**Included** បានបញ្ចូល
Dental clinic basins with tap Arch 1F plan: 3 dental chairs	nr	3	311	**Included** បានបញ្ចូល
Kitchenette sink with tap Arch 1F plan	nr	1	161	**Included** បានបញ្ចូល
Floor drains Plumbing plans	nr	6	83	**Included** បានបញ្ចូល
Roof: extra sloped area over BOQ plan area (frame + tiles) Arch sections; roof +12.5 m	m2	84	3,091	Clarify ត្រូវបញ្ជាក់
GF ceiling (1F slab soffit) plaster + paint Arch sections	m2	180	1,760	**Included** បានបញ្ចូល

SAMPLE
Example layout, not your numbers

Item · source មុខការងារ · ប្រភព	Unit ឯកតា	Qty បរិមាណ	US$ all-in US$ តម្លៃរួម	In bid ក្នុងតម្លៃដេញថ្លៃ
Paint to columns, beams, lintels Arch elevations	m2	500	1,840	**Included** បានបញ្ចូល
CCTV + network equipment (13 cameras, switches, DVR, 4 APs) MEP BOQ G-H: material $0	lot	1	2,070	Clarify ត្រូវបញ្ជាក់
Testing and commissioning of building services Guideline s.4	lot	1	345	**Included** បានបញ្ចូល
Included in the bid បានបញ្ចូលក្នុងតម្លៃដេញថ្លៃ			**7,489**	

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QS review and sign-off

ការត្រួតពិនិត្យ និងហត្ថលេខា

This Bid Pack is a draft. It becomes a bid only after the checks below and a signature.
កញ្ចប់ដេញថ្លៃនេះជាសេចក្តីព្រាង។ វាក្លាយជាការដេញថ្លៃបាន លុះត្រាតែបានពិនិត្យតាមខាងក្រោម និងមានហត្ថលេខា។

Review checklist
បញ្ជីត្រួតពិនិត្យ

- ☐ Drawing revisions match the tender set
  កំណែប្លង់ត្រូវនឹងឯកសារដេញថ្លៃ
- ☐ 25 spot-check lines verified (Excel, tab Spot Check)
  បានផ្ទៀងផ្ទាត់ 25 ជួរ (Excel សន្លឹក Spot Check)
- ☐ Key rates confirmed with supplier quotes
  តម្លៃឯកតាសំខាន់ៗបានបញ្ជាក់ជាមួយសម្រង់តម្លៃអ្នកផ្គត់ផ្គង់
- ☐ Scope gaps: include or clarify, line by line
  ការងារខ្វះ៖ បញ្ចូល ឬសុំបញ្ជាក់ ម្តងមួយជួរ
- ☐ Clarification letter sent to the client
  លិខិតសុំការបញ្ជាក់បានផ្ញើទៅអតិថិជន
- ☐ Bidding entity, VAT status and signatory confirmed
  អង្គភាពដេញថ្លៃ ស្ថានភាព VAT និងអ្នកចុះហត្ថលេខាបានបញ្ជាក់
- ☐ Bid security and performance security arranged
  លិខិតធានាការដេញថ្លៃ និងធានាការអនុវត្តការងារបានរៀបចំ

How this pack was made
របៀបដែលកញ្ចប់នេះត្រូវបានរៀបចំ

- Drawings and documents read by Sidoku QS (AI draft).
  ប្លង់ និងឯកសារត្រូវបានអានដោយ Sidoku QS (សេចក្តីព្រាងដោយ AI)។
- Arithmetic done by formulas, never by the AI.
  ការគណនាធ្វើដោយរូបមន្ត មិនមែនដោយ AI ទេ។
- Every quantity traced to a drawing page or schedule.
  បរិមាណនីមួយៗតាមដានបានទៅទំព័រប្លង់ ឬតារាង។
- Rates: Sidoku QS reference rates, 2026-10-24.
  តម្លៃឯកតា៖ តម្លៃយោងរបស់ Sidoku QS 2026-10-24។

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Prepared	Rates checked	QS review
រៀបចំដោយ	តម្លៃឯកតាបានពិនិត្យដោយ	ការពិនិត្យដោយ QS
Sidoku QS draft · 25 Oct 2026	Name · date	Name, licence · date
	ឈ្មោះ · កាលបរិច្ឆេទ	ឈ្មោះ អាជ្ញាប័ណ្ណ · កាលបរិច្ឆេទ

Files in this pack
ឯកសារក្នុងកញ្ចប់នេះ

SAMPLE-TAK-01 Bid Pack.pdf (this document) · SAMPLE-TAK-01 Bid Pack.xlsx (live formulas: the client's own sheets, Bid Summary, Inputs, Rate Build-up, Spot Check, Scope Gaps, Run Cost, Compare)

Draft BOQ: QS review required. Sidoku QS, a service of Tepy Build Co., Ltd.

Sign-off ហត្ថលេខា

I have checked the quantities and rates in this BOQ against the drawings listed below, received on 21 Oct 2026. Rates are as of 24 Oct 2026. This check does not cover design adequacy, site conditions, or items not shown on the drawings.

ខ្ញុំបានពិនិត្យបរិមាណ និងតម្លៃឯកតាក្នុង BOQ នេះ ធៀបនឹងប្លង់ដែលបានរាយខាងក្រោម ដែលទទួលបាននៅថ្ងៃទី 21 Oct 2026។ តម្លៃឯកតាគិតត្រឹមថ្ងៃទី 24 Oct 2026។ ការពិនិត្យនេះមិនគ្របដណ្តប់លើភាពគ្រប់គ្រាន់នៃការរចនា ស្ថានភាពទីតាំង ឬមុខការងារដែលមិនបានបង្ហាញលើប្លង់ឡើយ។

Drawings checked: ប្លង់ដែលបានពិនិត្យ៖

File ឯកសារ	Pages ទំព័រ	Date កាលបរិច្ឆេទ
Structural drawings.pdf	25	21 Oct 2026
Architectural drawings.pdf	14	21 Oct 2026
Electrical drawings.pdf	16	21 Oct 2026
ACMV drawings.pdf	5	21 Oct 2026

PE STAMP HERE
ត្រាវិស្វករ

Signature
ហត្ថលេខា

Sidoeun Ly, Professional Engineer (Civil), BEC ID 000534 PE/Bldg

SPECIMEN: your report carries the real stamp and signature.
គំរូ៖ របាយការណ៍របស់អ្នកមានត្រា និងហត្ថលេខាពិត។

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