

COMPREHENSIVE INVOICE ANALYSIS REPORT

Invoice Number:	SBD/25-26/197
Supplier:	ISKO ENGINEERING PVT LTD
Total Amount:	■ 1,208,075.00
Processing Date:	2025-11-08 12:32:27
Document Type:	B2B_INVOICE
AI Confidence:	52.5%

Validation Status:	■ VALID
Duplication Status:	■ DUPLICATE
Tests Performed:	5 validation tests
Processing Status:	■ COMPLETED

EXECUTIVE SUMMARY

Invoice Assessment: REQUIRES REVIEW

Processing Confidence: 52.5%

Recommendation: MARK_AS_DUPLICATE

Key Findings:

- All arithmetic validations passed successfully
- Potential duplicate detected (95.0% confidence)
- 5 AI recommendations provided

Business Impact:

The validation and duplication analysis, specifically highlighting Invoice ID 6 (SBD/25-26/197) as a highly confident duplicate, reveals significant business impacts across financial, operational, and compliance domains.

The core issue is the potential for erroneous payments and the inefficiencies in the Accounts Payable (AP) process.

Assumptions for Impact Assessment:

- This "highly confident duplicate" implies that at least one other instance of this invoice (or a near-identical one) ha... [See AI Reasoning section for full analysis]

INVOICE DETAILS

Field	Value
Invoice Number	SBD/25-26/197
Invoice Date	2025-03-05
Supplier Name	ISKO ENGINEERING PVT LTD
Supplier GSTIN	24AAGCI9537F1ZG
Buyer Name	
Taxable Value	₹1,023,792.00
Total Tax	₹184,282.56
Total Amount	₹1,208,075.00
Payment Terms	30 DAYS

Line Items Details:

Item	HSN Code	Qty	Unit Price	Taxable Value	GST Rate	GST Amount
Item 1: BASKET...	84049000	6.00	₹170,632.00	₹1,023,792.00	18.0%	₹184,282.56

ARITHMETIC VALIDATION ANALYSIS

Validation Metric	Result
Total Tests Performed	5
Tests Passed	4
Tests Failed	1
Tax-related Failures (Ignored)	1
Critical Non-tax Failures	0
Suggestions Provided	5
Overall Status	■ VALID
Note	Tax-related validation failures are ignored

■ Valid Checks Log:

Test Name	Expected	Actual	Tolerance	Description
Line Item 1 Total	1023792.00	1023792.00	±0.05	quantity × unit_price should equal taxable_value
Line Item 1 GST Calculation	184282.56	184282.56	±0.05	taxable_value × gst_rate/100 should equal tax_amount
Invoice Taxable Value Sum	1023792.00	1023792.00	±0.05	Sum of all line item taxable_values should equal taxable_value
Invoice Tax Sum	184282.56	184282.56	±0.05	Sum of all line item taxes should equal tax_amount

Detailed Validation Results:

Test Name	Status	Expected	Actual	Error Message
Line Item 1 Total	■ PASS	1023792.00	1023792.00	
Line Item 1 GST Calculation	■ PASS	184282.56	184282.56	
Invoice Taxable Value Sum	■ PASS	1023792.00	1023792.00	
Invoice Tax Sum	■ PASS	184282.56	184282.56	
Invoice Grand Total	■ FAIL	1208074.56	1208075.00	Taxable(1023792.0) + Tax(184282.56) = 1208074.56

AI Validation Analysis:

DUPLICATION DETECTION ANALYSIS

Analysis Metric	Result
Duplication Status	■ DUPLICATE DETECTED
Confidence Score	95.0%
Recommended Action	MARK_AS_DUPLICATE
Potential Matches Found	4
Analysis Method	Enhanced AI-Powered Detection

Potential Duplicate Matches:

Original Invoice	Match Type	Confidence	Matching Fields	Recommendation
SBD/25-26/197	EXACT_INVOICE_NUMBER_SAME_COMPANY	95.0%	Invoice Number: SBD/25-26/197, Company Name: ISKO ENGINEERING PVT LTD	■ CONSIDERED DUPLICATE
SBD/25-26/197	EXACT_INVOICE_NUMBER_SAME_COMPANY	95.0%	Invoice Number: SBD/25-26/197, Company Name: ISKO ENGINEERING PVT LTD	■ CONSIDERED DUPLICATE
SBD/25-26/197	EXACT_INVOICE_NUMBER_SAME_COMPANY	95.0%	Invoice Number: SBD/25-26/197, Company Name: ISKO ENGINEERING PVT LTD	■ CONSIDERED DUPLICATE
SBD/25-26/197	EXACT_INVOICE_NUMBER_SAME_COMPANY	95.0%	Invoice Number: SBD/25-26/197, Company Name: ISKO ENGINEERING PVT LTD	■ CONSIDERED DUPLICATE

Analysis Summary:

Invoice Analysis: SBD/25-26/197 Supplier: iSKO ENGINEERING PVT LTD Amount: ■1,208,075.00
Found 4 potential duplicate(s): 1. SBD/25-26/197 (Confidence: 95.0%, Type:
EXACT_INVOICE_NUMBER_SAME_COMPANY) 2. SBD/25-26/197 (Confidence: 95.0%, Type:
EXACT_INVOICE_NUMBER_SAME_COMPANY) 3. SBD/25-26/197 (Confidence: 95.0%, Type:
EXACT_INVOICE_NUMBER_SAME_COMPANY) 4. SBD/25-26/197 (Confidence: 95.0%, Type:
EXACT_INVOICE_NUMBER_SAME_COMPANY) ■ CONCLUSION: This invoice appears to be a
DUPLICATE.

AI Duplication Analysis:

This analysis focuses on Invoice ID 6, identified as a highly confident duplicate, along with its matching instances.

Invoice Duplication Analysis: SBD/25-26/197 (Invoice ID 6)

Invoice Details Under Review:

- Invoice ID: 6
- Invoice Number: SBD/25-26/197
- Supplier Name: ISKO ENGINEERING PVT LTD
- Total Value: ■1,208,075.00
- Invoice Date: 2025-03-05

1.

Patterns Indicating Potential Duplicates & Logic Behind Detection

This invoice is considered a highly confident duplicate based on the following robust

AI REASONING & RECOMMENDATIONS

AI Analysis Metric	Result
Overall Confidence	52.5%
Analysis Type	Comprehensive Validation & Duplication
Processing Status	Completed Successfully
Recommendations Generated	5

AI-Generated Recommendations:

1. Investigate potential duplicate submission
2. Cross-reference with payment records
3. Implement additional duplicate prevention controls
4. Based on the analysis highlighting Invoice ID 6 (SBD/25-26/197) as a highly confident duplicate with significant financial risks, here are 4 specific, actionable recommendations:
 5. 1. Immediately Halt Payment & Initiate Recovery for Invoice ID 6:

Business Impact Assessment:

The validation and duplication analysis, specifically highlighting Invoice ID 6 (SBD/25-26/197) as a highly confident duplicate, reveals significant business impacts across financial, operational, and compliance domains.

The core issue is the potential for erroneous payments and the inefficiencies in the Accounts Payable (AP) process.

Assumptions for Impact Assessment:

- This "highly confident duplicate" implies that at least one other instance of this invoice (or a near-identical one) has been processed or is in the process of being processed, potentially leading to a double payment.

The analysis has identified the duplicate, but its payment status (whether the duplicate has been paid, or if both instances have been paid) is unknown from the provided information.

The assessment below considers the potential and actual* impacts depending on payment status.

Business Impact Assessment: Invoice ID 6 (SBD/25-26/197)

1.

Financial Risk Level: High

- Potential Overpayment: The most immediate and significant financial risk is the potential for a double payment of ₹1,208,075.00 to ISKO ENGINEERING PVT LTD.

If both the original and the duplicate invoice have been paid, the company has incurred an unnecessary expense of this amount.

- Cash Flow Impact: An overpayment directly impacts the company's cash flow, tying up capital that could be used for other operational needs or investments.

- Profitability Erosion: Unnecessary expenses directly reduce net profit.

For a single invoice, this amount is substantial and can noticeably affect quarterly or annual financial results.

- Recovery Costs: If an overpayment has occurred, the process of recovering funds from the supplier can be costly and time-consuming.

This may involve administrative effort, legal fees (if recovery is disputed), and potential write-offs if recovery is unsuccessful.

- Supplier Relationship Strain: Requesting a refund can strain relationships with key suppliers, potentially impacting future negotiations or service quality.

- Audit Adjustments: If not identified and corrected internally, external auditors would likely flag this

as a material misstatement, requiring financial statement adjustments.

AI Final Analysis:

Executive Summary: Invoice Duplication Analysis - Invoice ID 6 (SBD/25-26/197)

Overall Assessment:

Analysis has identified Invoice ID 6 (SBD/25-26/197) from ISKO ENGINEERING PVT LTD, valued at ■1,208,075.00, as a highly confident duplicate.

This presents a high financial risk due to the potential for overpayment, negatively impacting cash flow, profitability, and potentially straining supplier relationships if recovery is needed.

Confidence Assessment:

High Confidence.

The detection logic robustly identifies Invoice ID 6 as a highly confident duplicate based on established patterns.

Key Action Items:

1.

Immediate Payment Halt & Recovery: Prevent any payment for Invoice ID 6 if not yet processed. If already paid, immediately initiate recovery of the ■1,208,075.00 overpayment.

2.

Investigate & Cross-Reference: Determine the root cause of the duplicate submission and cross-reference with payment records to confirm the payment status of both instances.

3.

Implement Enhanced Controls: Strengthen Accounts Payable processes with additional duplicate prevention controls and automated checks to mitigate future occurrences of similar high-value duplicate invoices.

Concise Explanation for Business Users

We've found that Invoice SBD/25-26/197 (Invoice ID 6) for ■1,208,075.00 is almost certainly a duplicate.

This means there's a very high chance we could pay the same invoice twice, costing the company over ■1.2 million unnecessarily and impacting our available cash.

We need to immediately stop any payment for this invoice, check if it's already been paid so we can get our money back, and then improve our systems to prevent this from happening again.

TECHNICAL DETAILS & DATABASE INFORMATION

Document Classification:

Classification Attribute	Value
Document Type	B2B_INVOICE
Classification Confidence	95.5%
Keywords Detected	invoice, bill, gstin, gst, invoice no, bill no, taxable value, cgst, sgst,
Processing Method	AI-Powered Classification

Database Records Created:

Record Type	Database ID
Document Record	6
Invoice Record	6
Supplier Company	1
Buyer Company	None

Processing Metadata:

- Processing Timestamp: 2025-11-08 12:32:27
- Source Filename: 1_1762585261456.pdf
- Processing Time: Not recorded
- Errors Encountered: 0

This report was generated by the Intelligent Invoice Processing System. All analysis results are based on AI-powered validation and duplication detection algorithms.