

Dragon Sourcing

Your Tailored Approach to Emerging Markets

Carts and Trolleys for warehousing and logistics applications

Case Study



- 1. Sourcing Project Introduction
- 2. Sourcing Approach
- 3. Conclusions



- Project objectives and approach

Context

European company is a leading specialist in packaging equipment, consumables, and servicing for operational logistics and fulfilment.

Project Objectives:

Identify and recommend new potential competitive supplies, manufacturing <u>carts and trolleys</u> for warehousing and logistics applications.

Geographical scope: 5 Countries.

India, Mexico, Turkey, Poland, and Slovakia.

Dragon Sourcing approach

Stage 1: Supplier Pre-Qualification

- 1. Demand Analysis
- 2. Supply Market Analysis
- 3. Telephone Pre-screening
- 4. NDA
- 5. Develop RFI/RFQ
- 6. Administer RFI/RFQ
- 7. Scoring the suppliers
- 8. Analyse RFI/RFQ Responses

Stage 2: (Optional)

- Sample Development,
- On-site audit of the shortlisted suppliers
- Negotiation and contracting



Demand Analysis, 4 SKUs were shortlisted with approximate annual spends of \$ 1.47 M,

#	Item	Product picture	Loading capacity	Material	Annual Volume PCS	Annual Spend (\$/M)
1	Go Cart		160kg per castor Cart designed for 500kg	Mostly Mild Steel with powder coating	5000	\$ XXX
2	COW (Computer on wheels) trolley		100kg per castor Cart designed for 80- 100kg	Mostly Mild Steel bar/Cold Rolled sheet/Compact Formica	1000	\$ XXX
3	TNS Cart (XL MESH TOW STOW CART)	SCION A	200kg per castor Cart designed for 300kg	Mostly Plain Carbon steel sheet/ERW Steel/Cold Rolled sheet	250	\$ XXX
4	U-Boat Cart		200 KG	Mostly Mild Steel/ERW Steel	1500	\$ XXX
	•					\$ 1.47 M



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- Following steps were covered under stage 1: Supplier Pre-Qualification

No.	Steps in stage 1
1.	Demand Analysis Work with client to define and understand the Products and requirements (specs, volumes, material, Production technology requirements, others)
2.	Supply Market Analysis Identify a long list of potential suppliers in the selected countries by leveraging B2B Websites, DS Database, Fair catalogues, Chamber of Commerce, Magazines, Network, and References.
3.	Telephone Pre-screening Selection of suppliers to be included in the RFI-RFQ process by telephone pre-screening based on agreed simple criteria (e.g., capability to make the product, minimum company size, quality certifications, interest in participating).
4.	NDA Send the client's NDA to suppliers and collect the signed copy.
5.	Develop RFI/RFQ document Prepare an RFI-RFQ document, with an aligned Balanced Scorecard that has the objective to pre-qualify the competitiveness and capabilities of the suppliers, including: Background, Financials, Client references and Product experience, Quality certification & processes, Social Responsibility, Manufacturing/technology capability, R&D capability.
6.	Administer RFI/RFQ: The RFI-RFQ is translated in relevant languages and distributed to the suppliers, with telephone follow-up to push for maximum participation.
7.	Scoring the suppliers: Develop with the Company a balance score card to evaluate suppliers according to RFI/RFQ
8.	Analyze RFI/RFQ Responses: Analysis of RFI-RFQ responses and preparation of a report which profiles & objectively ranks the suppliers by capability, including a recommendation for those to be audited



- Supplier pre-qualification was completed in 10 weeks as per the project schedule

STEPS	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
1. Demand Analysis										
2. Supply Market Analysis										
3. Telephone Pre- screening										
4. NDA process										
5. Develop the RFI-RFQ					RFI-RFQ approved					
6. Administer RFI-RFQ										
7. Analyze RFI/RFQ Responses							·			RFQ Report

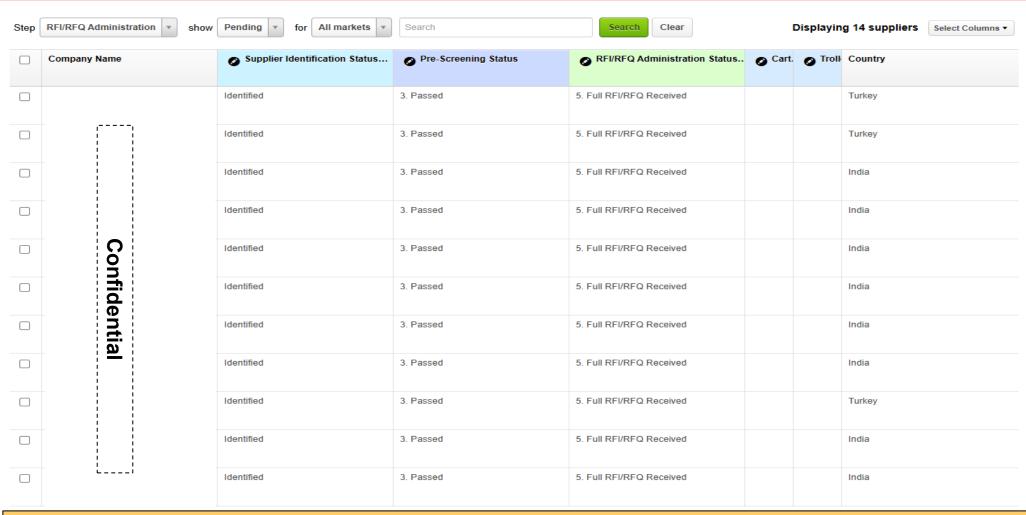


- Supply market analysis was shared in the weekly progress and final report.
 - A total of 14 suppliers responded to the RFI-RFQ process.
 - 13 suppliers submitted the complete RFI-RFQ, and one supplier submitted only the RFI.

STEPS	Steps	India	Mexico	Turkey	Poland	Slovakia	Total
Supplier Identification	Suppliers identified	XX	XX	XX	XX	XX	126
Pre-screening	Supplier passed pre-screening	XX	xx	xx	XX	xx	53
Process	Suppliers failed pre-screening	XX	XX	XX	XX	XX	73
	NDA sent	XX	xx	xx	XX	xx	53
NDA Process	NDA received	XX	-	xx	xx	-	37
	Don't intend to sign	XX	xx	xx	xx	xx	16
	Number of RFI-RFQ sent	xx	-	xx	xx	-	37
RFI-RFQ	• Don't intend to respond	xx	-	xx	xx	-	23
Administration	Number of only RFI received	xx	-	-	-	-	1
	Number of both RFI-RFQ received	XX	-	XX	-	-	13



 Long list of suppliers were identified from target countries in India, Turkey, Poland, Slovakia and Mexico leveraging multiple sources of information & from existing DS database.



Full sourcing process including building long list of supplier database was done online on the DS e-sourcing tool GSP



- Pre-screening process was initiated post supplier identification.

- This process was to filter the long list of suppliers prior moving them to the NDA process.

Introduction Dear Sir/Madam. Dragon Sourcing is a procurement service provider focused on delivering sustainable value from emerging Global markets for our clients. We offer a complete Sourcing service to Companies looking to procure effectively from emerging markets. Our client mandated Dragon Sourcing to run the supplier selection process in (Country) to identify and qualify suppliers with a sheet metal fabrication facility and able to offer Industrial carts and trolleys for warehousing and logistics applications. Can you provide feedback on the following questions: Please note that your Company (if shortlisted) will be the direct exporter to the client. Suppliers "Must have" criteria to pass pre-screening. Questions Answer fields Criteria Are you a steel and welding fabricator and able to produce steel trolleys and Other Traders Discarded carts for warehousing and logistics applications? Do you have an ISO 9001 certificate? Other Must have Do you possess an export license or are you open to applying for one, and are Other Must be yes you able to export to XXX? Are you willing to sign an NDA directly with the client? Other Must have 5. The client plans to place an annual order of approximately 8000 pieces, consisting Other Must be yes

Full sourcing process including pre-screening the suppliers was done online on the DS e-sourcing tool GSP

of 4-5 different SKUs. Do you have available capacity to meet this demand in 2026,

beginning early next year?



- RFI template was drafted and validated by the client.
- RFI-RFQ process was administered with suppliers signed the NDA.

Business information
Your company's type? (required) Manufacturer
2. Which year was your company founded? (required)
3. Ownership Private Public listed State owned Foreign invested Joint venture Actual R
Private Public listed State owned Foreign invested Joint venture 4. Your company's business registration number Data from the Actual R Data from the Actual R
5. How many employees does your company have? (required)
6. Factory area (m2)

3. Quality management	3. Quality management										
20. Does your company have below certificates? (required)											
	Yes / No (required) Certifying Org. Expiry date										
ISO 9001											
21. Does your company have a documented	company-wide quality manual?										
alV	uality inspection and report?										
ort, few S.											
23. Does your company have final products i	nspection and report?										
O TES O INU											
24. Does your company have clear and syste	ematic procedure to collect, register, hand	dle and solve customer complaints?									
○ Yes ○ No											
25. Finished goods defect rate	25. Finished goods defect rate										
		Defect rate									
PPM											
%											





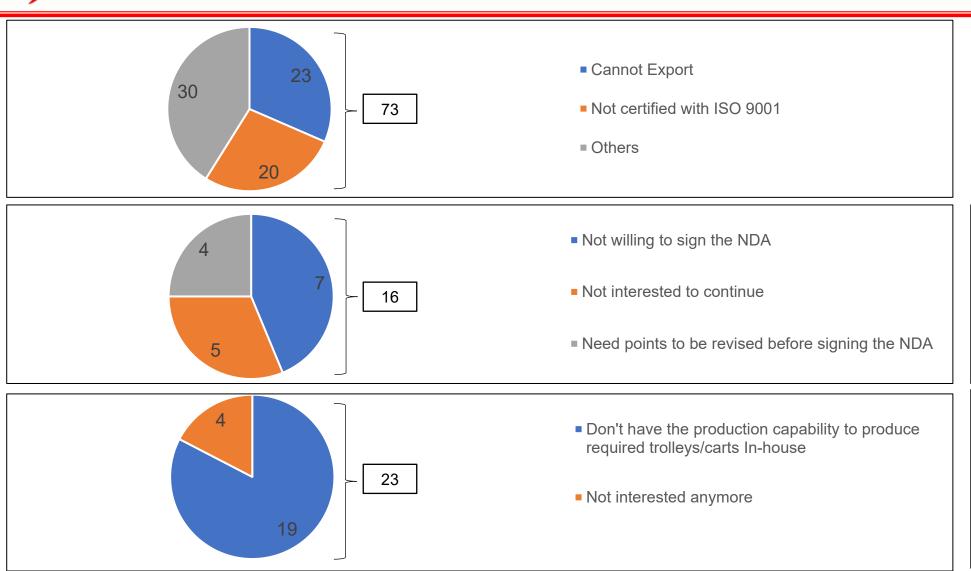
- Category-specific questions were added in the RFI to understand supplier capability

PLANT EQUIPMENT'S			11. Quality Control test in house					
TEANT EQUIT MENT O					(Yes/No)	Others testing equipment's - You may want to list.		
4. Production Process in-house				Welding quality test				
	In-house (Yes/No) (required)	Comments		Painting test				
Designing & Programming				Powder Coating test				
Robotic welding x 5 minimum (MIG)				Ultra sonic testing				
TIG Welding				MPT (Magnetic Particle Testing)				
CNC Tube Bending		Data from the Actual Repo		Salt Spray test only				
CNC Folding				few slides				
Stamping		al Repo	ort	Pull test				
Grinding		the Actual		Impact testing				
Punching		Data from		Hardness testing				
Riveting				Heat Stability test machines				
Shearing				Stress Relief				
Wire Processing				12. What is your quality control standard and method?				
Injection Moulding								
Tool and welding fixture production								
3D Cad – Able to read from STP files				13. Do you have formal QC criteria and procedure for in-h	puse quality control? (Y/N)			
] 12		J			



- Pre-screening, NDA & RFI/RFQ rejection analysis was shared with client for each step

Pre-screening rejection





- Supplier assessment / Scorecard
- Weightage was given to every section and sub-sections questions.

Section Name	Section Weighting
Business information	25%
Production	35%
Quality management	30%
Social responsibility	5%
Certificate, documents and pictures	5%
TOTAL	100%

- Supplier assessment
- Suppliers responded to the RFI-RFQ were scored and ranked.





Go-cart



		1	2	3	4	5	6	7
	Supplier Name	Supplier 1	Supplier 2	Supplier 3	Supplier 4	Supplier 5	Supplier 6	Up to supplier 13
	Country	India	India	India	Turkey	xxx	XXX	xxx
	FOB port	xxx						
#	Reference Part#	FOB Price/unit						
A	279203A (Total assembly cost)	\$220	\$234	\$277	\$ XXX	\$ XXX	\$ XXX	\$ XXX
1	279203A005	\$ XX						
2	279203A008	\$ XX						
3	279203A011	\$ XX						
4	279203A013	\$ XX						
5	279203A017	\$ XX						
6	279203A029	\$ XX						
7	279203A010	\$ XX						
8	279203A024	\$ XX						
В	-	\$ XX						



COW (computer on wheels) trolley



		1	2	3	4	5	6	7
	Supplier Name	Supplier 1	Supplier 2	Supplier 3	Supplier 4	Supplier 5	Supplier 6	Up to supplier 13
	Country	India	India	Turkey	XXX	XXX	XXX	xxx
	FOB port	XXX						
#	Reference Part#	FOB Price/unit						
A	SGATE63-D (Total assembly cost)	\$190	\$205	\$255	\$ XXX	\$ XXX	\$ XXX	\$ XXX
1	SGATE63-W01-D	\$ XX						
2	SGATE63-W02-D	\$ XX						
3	BODY-NS-P-E-8-D	\$ XX						
4	PIST-NS-P-E-8-D	\$ XX						
5	SGATE63-02-D	\$ XX						
6	SGATE63-W04-D	\$ XX						
7	SGATE63-06-D	\$ XX						
8	SGATE63-A01-D	\$ XX						
9	SGATE63-01-D	\$ XX						
10	SGATE63-08-D	\$ XX						
11	Up to 30 sub parts	\$ XX						



TNS cart



		1	2	3	4	5	6	7
	Supplier Name	Supplier 1	Supplier 2	Supplier 3	Supplier 4	Supplier 5	Supplier 6	Up to supplier 13
	Country	India	India	India	XXX	XXX	XXX	XXX
	FOB port	XXX						
#	Reference Part#	FOB Price/unit						
A	SGATE-79-KD-1-'21	\$320	\$345	\$374	ххх	ххх	xxx	xxx
1	SGATE-79-KD-W01	\$ XXX						
2	Hook RKL 636452	\$ XXX						
3	SGATE-79-KD-Anti-static strap	\$ XXX						
4	SGATE-79-KD-001	\$ XXX						
5	SGATE-79-KD-W01-37	\$ XXX						
6	SGATE-79-KD-W03	\$ XXX						
7	SGATE-79-KD-LABEL	\$ XXX						
8	SGATE-79-KD-W01- 57	\$ XXX						
9	SGATE-79-KD-W01- 58	\$ XXX						
10	ANTI LUCE SMALL	\$ XXX						
11	Up to 24 sub parts	\$ XXX						



U-Boat Trolley



		1	2	3	4	5	6	7
	Supplier Name	Supplier 1	Supplier 2	Supplier 3	Supplier 4	Supplier 5	Supplier 6	Up to supplier 13
	Country	India	India	India	Turkey	XXX	XXX	xxx
	FOB port	xxx						
#	Reference Part#	FOB Price/unit						
Α	2340-A3-01 (Total assembly cost)	\$160	\$189	\$222	\$ XXX	\$ XXX	\$ XXX	\$ XXX
1	2340-A3-001	\$ XX						
2	2340-A3-002	\$ XX						
3	2340-A3-003	\$ XX						
4	Anti-Static-Strap	\$ XX						
5	2340-A3-0005	\$ XX						
В	FAPE5C0125P2T2B42	\$ XX						
С	BAH15C0125P2T2B42	\$ XX						



- Supplier profile was shared with the client as per ranking wise.

RFI Score	80
RFI Ranking	1 out of 14

1. Company bac	kground informa	tio	n								
	Supplier Information										
Company Name											
City											
Country	India	dia									
Website											
Contact Name											
Contact Phone											
Contact Mobile											
Contact Email											
	1. 50	ısiness	information								
Your company's type?	Manufacturer										
Which year was your company founded?	2021	1021									
Ownership	Private										
Your company's business registration number											
How many employees does your company have?	350										
Whole Factory area (m2)	Area (m2)										
Whole factory	92000										
What industry does your company mainly serve?	Aviation, Retail, Agricultural and supply chain sectors										
Does your company have export ilcense?	Yes										
How many years of export experience do you have?	4										
What incoterms can your company quote and operate?	FOB										
Sales revenue for 2024	2024				202	3					
Turnover (in Million USD)	54				25						
Sales distribution	Domestic Europe North America					th America	Rest of ti world	he			
% Sales exports to the main markets	40 25				30	30		30			
Customer reference	Customer name	Industry 0			ountry Main supplied pr		oduct % o				
Top 1 olient	xxx	AVIAT	TION	INDIA		AIRPORT TERMINAL O AND AIRPORT PASSEI BAGGAGE TROLLEYS		70			
Top 2 alient	XXX	RETAILS		USA		SHOPPING TROLLEYS		20			
Top 3 olient	xxx	AGRICULTURE SECTOR			pe	pe CHAIN HARROWS 1					
	2. Prod	luction	management								

Area of expertise, Machining facility equipment in-house	CNC Milling-Drilling Machines, CNC Vertical Turning Machine, Vertical Turning Lathes, Vertical Milling machinec, CNC Horizontal Lathe, CNC Horizontal Machining Center, CNC Horizontal Milling Machine, CNC Grinding, CNC Boring Machine, CNC 2 Axis Machine						
Area of expertise, Plant Equipment in- house	Laser cutting system						
	IN-HOUSE SURFACE	E TREATM	ENT				
In-house surface treatment	In-house (Yes/No	0)	Comments				
Powder Coating	YES						
Painting-spray cabin	YES						
Hot dip galvanizing	YES						
Anti-corrosion protection (Zinc Plating)	YES						
Washing chamber for cleaning and degreasing	YES						
Can your company design tool and mold?	Yes						
Does your company make tool and mold in house?	Yes						
	QUALITY MANA	AGEMENT					
Product Certificate: CE or UL certified	Œ	UL	Others, Please specify				
Does your company have following product certificates (Yes/No)	No	No	ISO 3834-03 FOR STANDARD QUALITY OF WELDING, BIFMAXS, 4 FOR WAITING CHAIRS				
Quality Control test in house	(Yes/No)		Others testing equipment's - You may want to list.				
Welding quality test	YES						
Painting test	YES		DFT METER				
Powder Coating test	YES		ADHESION TEST				
Ultra sonic testing	NO		OUT SOURCE LAB TEST				
MPT (Magnetic Particle Testing)	NO		OUT SOURCE LAB TEST				
Salt Spray test	YES						
Leakage test	YES		DPT				
Pull test	NO		OUT SOURCE LAB TEST				
Impact testing	YES						
Hardness testing	YES		OUTSORUCE LAB TEST				
Heat Stability test machines	NO		OUT SOURCE LAB TEST				
Stress Relief	YES		OUTSOURCE				
What is your quality control standard and method?	ISO 9001:2015						
Do you have formal QC criteria and procedure for in-house quality control? (Y/N)	YES , QUALITY CONTROL AVAILABLE AT ALL STAGES.						
Do you accept 3rd party QC or testing? (like SGS, Intertek, Bureau Veritas)	YES, ONLY NABL APPROVED LABS WITH REQUIRED SCOPE OF WORK						
Do you use SolidWorkz (CAD/CAM) software? If not then which software are you using?	YES						
Do you label inventory with clear identification and traceability throughout your process flow (from incoming to shipping)?	YES, TRACEABILITY CRITERIA AVAILABLE.						
Please download the RFQ document.	XXX						
Please upload the RFQ document and ensure that all the information requested is completed.	XXX						





- Suppliers Location was shared with the client as per county wise

#	Supplier Name	Province	Country
1	Supplier 1	XX	India
2	Supplier 2	XX	India
3	Supplier 3	XX	XX
4	Supplier 4	XX	XX
5	Supplier 5	XX	XX
6	Supplier 6	XX	XX
7	Supplier 7	XX	XX
8	Supplier 8	XX	XX
9	Supplier 9	XX	XX
10	Supplier 10	XX	XX
11	Up to supplier 14	XX	XX

Supplier location shown on the MAP.







- Executive summary of the supplier profiles was shared with the client.

					Production	Monthly		Key pro	duction	process in	n-house	_			Use			
#	Country	Supplier	RFI Score %	Employ ee count	process in- house, Sheet Metal fabrication and/or CNC Machining	production capacity in PCS of trolleys/ carts	welding	TIG welding	CNC tube bending	CNC Folding		Injection molding	System	Curfosa Custom	SolidWorks (CAD/CAM) software? If not then which software?	100 0004	certified	Social compliance certification
1	India	Supplier 1	80	350	Both	7000	Yes	Yes	Yes	Yes	Yes	Yes	Laser cutting	Powder coating, Painting spray - cabin, Hot dip galvanizing & Zinc Plating.	• Yes, Solid Works	ISO 9001	Yes	• ISO 14001 • OHSAS 45001
2	India	Supplier 2	70	320	Both	1500 - 2000	Yes	Yes	Yes	Yes	Yes	No	Laser cutting, Tube laser cutting & Section cutting	Painting spray-	Use Solid Edge software	ISO 9001	Yes	• ISO 14001
3	India	Supplier 3	65	xx	XXX	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	XXX	xxx	xxx	xxx	xxx
4	Turkey	Supplier 4	62	xx	XXX	XXX	xxx	xxx	xxx	xxx	xxx	xxx	xxx	XXX	xxx	xxx	xxx	xxx
5	xx	Supplier 5	62	xx	XXX	XXX	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx	xxx
6	xx	Supplier 6	61	xx	XXX	XXX	xxx	xxx	xxx	xxx	xxx	xxx	xxx	XXX	xxx	xxx	xxx	xxx
7	xx	Up to supplier 14	60	XX	xxx	xxx	xxx	xxx	xxx	xxx	XXX	xxx	xxx	XXX	xxx	xxx	xxx	xxx

Agenda

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Conclusions

	Whole project is carried out in 10 weeks with "126" total suppliers identified from 5 countries in scope.
	"53" suppliers passed the pre-screening. "37" suppliers signed the NDA document. "14 suppliers responded to the RFI-RFQ process.
	Sampling process was initiated with the recommended suppliers with potential savings.
	A plan was framed to audit the recommended suppliers as the next step post sampling.
	Overall based on the DS Report, It helped client to shortlist and partner with the most potential suppliers from the target markets.
**	Dragon Sourcing has an experienced team of auditors for performing Technical and Social Corporate Responsibility (CSR) audit or hybrid model combining both at the supplier facility.