

Analysis of Purchasing Parameters: Exploring Key Factors

Dr. Bipasha Maity

Professor,

Master In Business Administration (General Management), Presidency University, Bangalore, India,

Email Id: bipasha@presidencyuniversity.in

ABSTRACT:

The actions involved in procuring products and services from outside sources are included in the buying process, which is a crucial part of every corporate operation. The importance of buying factors in guaranteeing costeffectiveness, supplier quality, and ontime delivery is examined in this essay. It explores important facets of buying, such as supplier selection, contract administration, negotiation, and supplier relationship management. Additionally, it emphasises the use of digital technologies and strategic sourcing in raising the effectiveness and transparency of buying. The study's conclusion emphasises the need for businesses to set strict buying guidelines in order to streamline their procurement procedures and achieve overall corporate success.

KEYWORDS:

Contract Management, Negotiation, Purchasing, Procurement, Supplier Selection.

I. INTRODUCTION

The success of any industrial operation is heavily reliant on obtaining raw materials of the appropriate quality, in the correct quantities, from the right source, at the right time, and at the right price. Pricing, often known as the 10 'R's' of efficient buying. These are referred to as the fundamental principles of buying. Some wellknown factors for purchase include the proper contractual conditions, right material, right site, right means of transportation, and right attitude[1], [2].

Right Price

Every manufacturing company's principal objective is to acquire an item at the proper price. Yet, the optimal price does not have to be the lowest price. The proper pricing is very difficult to ascertain; broad information may be obtained from the product's cost structure. The 'tender method' of purchasing is often utilized in the public sector, although the goal should be to discover the lowest'responsible' bidder rather than the lowest bidder. The 'learning curve' approach also assists the purchasing agent in determining the pricing of products with a high labour component. Proper preparation, rather than impulsive purchasing, helps keep the price reasonable. Pricing negotiation also helps in determining the best costs.²

Right quality

Quality should be accessible, quantifiable, and understood to the greatest extent possible. Sampling strategies will be beneficial in determining the quality of a product. The cost of materials or the technical attributes that are appropriate for the particular needs establish the appropriate quality. Indents are often used to acquire quality information. Since the goal of buying is to maintain the continuity of supply to the business units, the time at which the material is delivered to the user department is critical.

Right Time

The buying manager should have lead time information for all items and analyse its components to reduce the lead time. The overall time passed between the realisation of a demand for an item and the item arriving and being made available for usage is referred to as lead time. This spans the whole materials cycle and includes precontractual administrative lead time, manufacture and transportation lead time, and inspection lead time. Since inventory rises as lead time increases, it is preferable to analyse each component of lead time in order to lower the first and third components, which are controllable. While making purchases, the buyer must consider emergency events such as floods, strikes, and so on. He should have 'contingency plans' in place for when force majeure provisions go into effect, such as when material is unavailable due to a strike, lockout, flood, or earthquake[3], [4].

Right Attitude

Cultivating the correct mentality is also required, since statements like 'Purchasing knows the price of everything and the worth of nothing'; 'We buy price and not cost'; 'When will our order placers become purchasing managers?'; and 'Purchasing behaves like a post box' are often heard. As a result, buying should retain 'progress' as its primary activity and be forwardthinking. The buying manager should be creative, and his longterm goal should be to reduce the cost of the final product. He will be able to do this if he uses methods such as value analysis, resources intelligence, purchasing research, SWOT analysis, buy budget lead time analysis, and so on.

Right Contracts

The buyer must establish distinct rules and processes for capital and consumer goods. He should be able to tell the difference between domestic and foreign buying processes. He should be familiar with the legal and contractual elements of international business procedures.

Purchasing Procedure

The approach begins with the acknowledgement of a need by the needy sector. The demand is sent to the buying department in the required Purchase Requisition Form, either directly or via the Stores Department. The purchase request precisely states the information, such as material specifications, quality and quantity, preferred supplier, and so on. In general, lowcost sundries and commonuse products are acquired for stock, whereas more expensive and unique things are purchased in accordance with production plans. In most cases, business leaders are authorised signatories to such requests. The Board of Directors must authorise such acquisitions. The approval is noted on the request, and a copy of the requisition is given to the secretary for general planning and budgeting.

The Selection of The Supplier

The supplier selection process consists of two main steps: looking for all available sources and narrowing down the list of recognised suppliers. Complete supplier information is available from a variety of sources, including trade directories, advertisements in trade journals, direct mailing by suppliers, interviews with suppliers, salesmen, suggestions from work colleagues, visits to trade fairs, participation in industry conventions, and so on. The identification of more and more sources aids in the selection of a better and more costeffective provider. It is important to realise that the lowest bidder is not usually the best bidder. When everything but the price is equal, the lowest bidder gets chosen. The pricing, capacity to offer the needed amount, quality standards maintenance, financial position, and so on are all key elements in the selection process. It should be noted that this procedure is not required for all sorts of transactions. In general, past suppliers with solid histories are favoured for repeat orders and purchases of lowvalue, smalllot commodities.

Placing the order

The next step is to place the purchase order once the supplier has been chosen (Figure.1). A purchase order is a letter submitted to a supplier requesting the supply of the specified commodity. At least six

buy order copies are created by the purchasing division, and each copy is signed individually by the purchasing officer. One copy of each of these copies is sent to the storekeeper, supplier, accounting section, inspection department, and the department.



Figure 1: Represent the Purchasing procedure [Quizlet].

FollowUp of the Order

Whenever the costs and hazards associated with delayed material deliveries exceed the cost of the followup method, the followup strategy should be used. The followup technique attempts to ensure that the purchase order is verified by the supplier and that delivery is promised. It is also vital to evaluate pending orders on a regular basis and to interact with the provider as needed. A regular request is made to the provider by sending a printed post card or a circular letter requesting him to certify that the delivery is on its way or will be delivered as agreed. In the absence of a response or an unacceptable response, the provider may be contacted through personal mail, phone, telegraph, and/or physical visit.

Receiving and Inspection of the Materials

The items provided by the vendor are received by the receiving department. The amount is checked and compared to the purchase order. The supplies are received on specifically prepared receiving slips or forms that also include the vendor's name and the purchase order number. It also documents any discrepancy, damaged state of the cargo, or material inferiority. The buying department is promptly notified of the supplies' arrival. A copy of the receiving slip is usually forwarded to the purchasing department.

Payment of the Invoice

After the products are received in acceptable condition, the invoice is reviewed before being cleared for payment. The invoice is examined to ensure that the items were lawfully authorised for purchase, that they were correctly ordered, that they are priced according to the agreed conditions, that the amount and quality correspond to the order, that the computations are arithmetically right, and so on.

Maintenance of Vendor Relations

The volume and regularity of transactions between the two significant suppliers give a foundation for the purchasing department to create and maintain positive relationships with them. Healthy relationships

establish reciprocal trust and confidence through time, which is advantageous to both sides. The procurement department's efficiency may be judged by the degree of goodwill it has with its suppliers.

Selection of Suppliers

The buying department is in charge of selecting the best supplier. It may make a significant contribution to the primary goals of the organisation. Several tactics are necessary for getting various sorts of resources. Supplier selection for standardised items will vary from that for nonstandardised products. The following variables are taken into account while selecting suppliers:

Sources of Supplier

Only when the decision maker is aware with all available sources of supply and their various terms and conditions can the best purchase be accomplished. The purchasing department should endeavour to find acceptable suppliers of different sorts of supplies. This is referred to as the survey stage. A review of the following will aid in the development of potential sources of supply:

1. Trade directories with a specific focus.
2. The assistance of professional organisations or consultants.
3. A buyer's guide or buying manual.
4. The catalogue of the manufacturer or distributor.
5. Newspaper advertisements.
6. Publication in specialised trade magazines.
7. Exhibits in trade shows.

Vendor Rating

The examination of supplier or vendor rating gives vital information that aids in the improvement of decision quality. The vendor rating takes three main factors into account: quality, service, and pricing. How much weight each of these criteria should be given is a question of judgement and is determined by the organization's unique needs. Quality would be the primary consideration in the manufacture of electrical equipments, while price would be the primary consideration in a product with a highly competitive market, and for a company procuring its requirements under a blanket contract at an agreed-upon price, the supplier rating will be based on two variables: quality and delivery[5], [6].S.A. has proposed the following methodologies for assessing the performance of previous suppliers.

The Categorical Strategy: Members of the purchasing staff associated with the supplier, such as the receiving section, quality control department, production department, and so on, are needed to evaluate the performance of each supplier under this technique. The rating papers include the supplier's record, their goods, and a list of variables for evaluating purposes. Members of the purchasing team are expected to give plus or minus notations to each component. Senior members of the purchasing team have occasional meetings, generally once a month, to discuss the individual rating of each area. The individual ratings are consolidated on the basis of the net plus value, and the providers are allocated to categories such as 'preferred,' 'neutral,' or 'unsatisfactory'. These ratings are intended to provide future recommendations. This is a very easy and low-cost solution. It is, however, imprecise. Its quality is greatly influenced by the buyer's expertise and ability to assess the circumstance. In comparison to other approaches, the degree of subjective assessment is relatively high since grading is dependent on personal whim and the buyer's hazy feelings. Since there is no quantitative evidence to back up the earnings, no remedial action can be taken against the vendor. Since the ranking is based on recollection, it becomes just a regular activity with no critical scrutiny.

The Weightedpoint System: The weightedpoint technique gives quantifiable data for each rating element. Weights are allocated to each assessment component based on the needs of the business; for example, a corporation decides on the three variables to be considered: quality, price, and timely delivery. It gives each of these elements a different weight as shown below. Each supplier is evaluated using the aforementioned criteria and weights, and the composite weightedpoints are calculated for each

supplier A, B, and C under this technique. Initially, a precise rating for each element will be assigned, followed by a consolidation of all criteria for the purposes of judgement.

Quality Score: Quality rating refers to the percentage of acceptable quantity in relation to overall amount. In other words, the degree of acceptance and rejection is used to assess the quality of the items. The percentage level of acceptance will be determined in proportion to the total lots received for comparative purposes. The price ranking is based on the net price charged by the provider. The supplier's average delivery schedule will be used to rate timely delivery [7]–[9].

The Costratio Strategy: The vendor rating is done using this approach based on the varied expenses paid for obtaining supplies from various sources. The costratios are determined by the delivery, etc. The costratios are calculated for the many rating characteristics such as quality, price, timely delivery, and so on. The costratio is determined as a proportion of total individual cost and overall purchasing value. Finally, all such costratios will be updated to reflect the specified price per unit. The plus costratio will raise the unit price, whereas the negative costratio will lower it. The vendor rating will be shown by the net adjusted unit price. The best supplier will be the vendor with the lowest net adjusted unit pricing, and so on. Quality expenses might include inspection costs, faulty item charges, reworking costs, and manufacturing losses on rejected goods, among other things. Postage and telegrams, telephones, and additional charges for speedy delivery are all examples of delivery expenses [10], [11].

II. CONCLUSION

To optimise their procurement operations, achieve cost efficiency, guarantee supplier quality, and ease on-time delivery of products and services, organisations must establish and adhere to strict purchase guidelines. Businesses may increase the effectiveness of their buying processes and contribute to the success of their overall operations by taking important factors like supplier selection, negotiation, contract management, and supplier relationship management into account as an important factor in buying since it has an immediate influence on the dependability and quality of the products or services bought. Organisations may collaborate with reliable and competent partners by thoroughly evaluating suppliers based on factors including quality standards, price, delivery capabilities, and financial stability.

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