



Working Paper

Fortune at the Bottom of the Pyramid: A Mirage

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How the private sector can help alleviate poverty

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Abstract

Poor people – at the bottom of the pyramid (BOP) – represent a very attractive market opportunity. The ‘BOP proposition’ argues that selling to the poor can simultaneously be profitable and help eradicate poverty. This is at best a harmless illusion and potentially a dangerous delusion. This paper shows that the BOP argument is riddled with fallacies, and proposes an alternative perspective on how the private sector can help alleviate poverty. Rather than focusing on the poor as consumers, we need to view the poor as producers. The only way to alleviate poverty is to raise the real income of the poor.

Widespread poverty is an economic, social, political and moral problem. Eradicating, or at least alleviating, poverty is an urgent challenge. For many decades, various institutions have tried to address this challenge: local governments, developed country governments, international organizations (such as the World Bank and the United Nations), aid foundations and non-governmental organizations. So far, the intellectual discourse has been largely in the fields of public policy and development economics.

More recently, management experts and business schools have entered this arena. CK Prahalad has been one of the pioneers of this movement, and he is certainly the most visible and prolific writer in this field. Thus, we focus on his 2004 book as the most visible work incorporating the ideas about ‘the bottom of the pyramid’ (BOP). The BOP proposition can be summarized as follows:

1. There is much untapped purchasing power at the bottom of the pyramid.
Private companies can make significant profits by selling to the poor.
2. By selling to the poor, private companies can bring prosperity to the poor, and thus can help eradicate poverty.
3. Large multinational companies (MNCs) should play the leading role in this process of selling to the poor.

It is argued that selling to the poor can simultaneously be profitable and eradicate poverty. Thus, there is both glory and fortune at the bottom of the pyramid. This is, of

course, a very appealing proposition and has drawn much attention from senior managers, large companies and business schools.

The BOP proposition is indeed too good to be true. It is seductively appealing, but it is riddled with fallacies. There is neither glory nor fortune at the bottom of the pyramid – unfortunately, it is all a mirage. This paper will argue that the BOP proposition is both logically flawed and inconsistent with the empirical evidence. This has serious implications for both firm strategies and public policy. We will propose an alternative perspective on how the private sector can help alleviate poverty. Rather than focusing on the poor as consumers, we need to view the poor as producers. The only way to alleviate poverty is to raise the real income of the poor.

Target Market

The difficulties with the BOP ideas begin with the fuzzy definition of the target market ‘at the bottom of the pyramid’. Prahalad (2004, p.4) states that there are more than 4 billion people with per capita income below \$2 per day at purchasing power parity (PPP) rates. The World Bank estimates the number at 2.7 billion, in 2001. Most researchers argue that the World Bank already over-estimates the number of poor people, with some researchers estimating the poor at 600 million (The Economist, 2004). Surprisingly, Prahalad (2004, p.33) even claims that “the poor as a market are 5 billion strong.”

On page 21 of the same source we read claims that the BOP potential market is \$13 trillion at PPP. This grossly over-estimates the BOP market size. The *average* consumption of poor people is \$1.25 per day (The World Bank, 2005). Assuming there are 2.7 billion poor people, this implies a BOP market size of \$1.2 trillion, at PPP in 2002. Even this is an overestimate. From the perspective of a multi-national company from a developed country, profits will be repatriated at the financial exchange rates, not at PPP rates. In that case, the global BOP market is less than \$0.3 trillion, compared to the \$11 trillion economy in the US alone – making the BOP a difficult place to look for a fortune.

No Fortune

Not only is the BOP market quite small, it is unlikely to be very profitable, especially for a large company. The costs of serving the markets at the bottom of the pyramid are very high. The poor are often geographically dispersed (except for the urban poor concentrated into slums) and culturally heterogeneous. This increases distribution and marketing costs and makes it difficult to exploit economies of scale. Weak infrastructure (transportation, communication, media, and legal) further increases the cost of doing business. Another factor leading to high costs is the small size of each transaction.

Poor people are, of course, price sensitive. “Companies assume that poor people spend only on basic needs like food and shelter.” Prahalad and Hammond (2002) disagree, stating that “such assumptions reflect a narrow and largely outdated view of the

developing world. ...In fact, the poor often do buy ‘luxury’ items.” Quite the contrary! The poor spend about 80% of their meager income on food, clothing and fuel alone (Gangopadhyay and Wadhwa, 2004). This clearly does not leave much room for luxuries!

Companies following the BOP proposition often fail because they overestimate the purchasing power of poor people and try to market products/services at too high a price point. Virtually none of the examples cited by BOP proponents support the recommendation that companies can make a fortune by selling to the poor. Several of the examples that apparently support the BOP proposition involve companies that are profitable by selling to people well above the poverty line, who seem poor only in relative terms, especially to a Western researcher.

Casas Bahia

The case of Casas Bahia has been cited as an illustration supporting the BOP concept. The firm has become a large retailer in Brazil by “converting the BOP into consumers. ... Casas Bahia carries and sells top-quality brands: Sony, Toshiba, JVC, and Brastemp (Whirlpool). There is a misconception that because customers are poor they do not desire quality products” (Prahalad, 2004, page 131). Now, it is undeniably true that poor people desire quality products; the problem is that they can not afford such products. As mentioned earlier, Prahalad defines the BOP to be income below \$2 per day. But, he also states that the Casas Bahia customers have an “average monthly income twice the minimum wage (R\$400)”, that is equivalent to income of \$800 per month at PPP

(Prahald, 2004, p. 119). Casas Bahia customers are actually well above the \$2 per day poverty line. The company is a big, profitable retailer but has little to do with the BOP proposition if the poverty line is defined appropriately.

Iodized Salt

Iodized salt is an effective and inexpensive way to prevent iodine deficiency, especially in developing countries. A problem is that some of the iodine in salt is lost in the process of storage, transportation and cooking. Hindustan Lever Limited (HLL), the Indian subsidiary of Unilever, has developed a proprietary micro-encapsulation technology to stabilize the iodine content in salt. Prahald (2004) cites the case of Annapurna salt marketed to the bottom of the pyramid by HLL.

But, the fact is that the penetration of Annapurna salt among the poor is minuscule at best. Annapurna salt is priced at Rs. 7.5/kg, the same as the market leader Tata salt; whereas numerous small regional producers sell iodized salt at Rs. 2/kg (Prahald, 2004, page 181). At a price premium of 250%, not too many poor people see it as a bargain. Annapurna may be a profitable business based on a good product embodying a valuable technology, but it is not an example supporting the BOP proposition.

Coca-Cola

Balakrishna and Sidharth (2004) applaud Coca Cola in India for launching in 2003 its low-price, affordability strategy, which hinged on raising the overall consumer base by offering carbonated soft drinks in smaller pack sizes of 200 ml at Rs. 5, which is

equivalent to \$0.57 (at PPP). This is ‘affordability’ for the Indian poor?! Coca Cola’s BOP initiative is certainly not helping the poor. Nor is it helping Coca Cola. Facing declining profits, the company reversed this low-price strategy in August 2004 (Bhattacharya, 2005).

Ice Cream

“Amul, a large Indian dairy cooperative, found an instant market in 2001 when it introduced ice cream, a luxury in tropical India, at affordable prices (2 cents per serving). Poor people want to buy their children ice cream every bit as much as middle-class families, but before Amul targeted the poor as consumers, they lacked that option” (Hammond and Prahalad, 2004). Actually, according to Amul’s website, their cheapest ice cream sells for Rs. 5 – equivalent to \$0.57 (at PPP) for a 50ml serving (a rather small serving). Not too many poor people living on less than \$2 per day will find this ice cream a bargain.

Till Amul entered the Indian ice cream market in 2001, HLL was the largest firm in this market. Prahalad and Hart (2002) commend Hindustan Lever for radical innovation that allows ice cream to be transported across the country cheaply in non-refrigerated trucks, and thus reach the BOP market. The reality is that in 2002 Hindustan Lever decided to compete on differentiation rather than on price, and brought its focus down to six cities only (Kamath, 2002; Bhattacharya, 2004). After this change in strategy towards the very top of the pyramid, HLL made a profit in the ice cream business for the first time ever.

Single Serve Revolution: A Dud

The single most mentioned example in the BOP literature is shampoo sold in sachets to the poor. "A single-serve revolution" is sweeping through poor countries, as companies learn to sell small packets of various products such as shampoo, ketchup, tea, coffee, biscuits, and skin cream. It is interesting to note that the pioneer of this revolution was CavinKare, an Indian start-up firm which first introduced shampoo in sachets in 1983, and not MNCs such as Unilever and P&G with their technological and marketing prowess. "A rapidly evolving approach to encouraging consumption and choice at the BOP is to make unit packages that are small and, therefore, affordable" (Prahalad, 2004, page 16).

This is a fallacy. The poor might prefer small packages because of convenience and managing cash flow. Companies might prefer to sell small packages to encourage trial, brand sampling, and impulse purchases. But, small packages definitely do not increase affordability. A customer might be 'fooled' into thinking a smaller package is more affordable.¹ But, the only way to increase real affordability is to reduce the per unit price. By the BOP logic, an easy way to solve the problems of hunger and malnutrition would be to sell food in smaller packages thus making it more affordable to the poor!

In an ironic twist, it is common for *paanwallas* (small kiosks selling tobacco and other sundry products) in India to sell single cigarettes. This does not make cigarettes any

¹ This is the reason why supermarkets in the USA are required to display per unit price in addition to price per package.

cheaper or more affordable. But, it does increase the consumption of cigarettes probably to the detriment of the poor.

Prahalad (2004, page 57) recognizes the negative impact of the proliferation of single serve packages on the environment. He then optimistically dismisses the problem by arguing that MNCs have both the incentives and resources to solve the environmental problem. But, it has been over twenty years since the first introduction of shampoo in sachets, and companies have not yet solved the environmental problem caused by plastic packaging.

Financing schemes

“More BOP consumers in Brazil are able to buy appliances through Casas Bahia because the firm provides credit even for consumers with low and unpredictable income streams. ... Casas Bahia is able to provide access to high-quality appliances to consumers who could not otherwise afford them” (Prahalad, 2004, page 17). The BOP proposition again falls prey to a fallacy: providing credit does not change the affordability of a product. The finance term for Casas Bahia ranges from four months to one year, with an average of six months. All that this does is provide instant gratification at a price; for the privilege of this instant gratification, the consumer pays an interest rate of over 4% per month. People with “low and unpredictable income” would be well advised to save and pay in cash; this will enable them to do a better job of comparison shopping too. It is not surprising that many of Casas Bahia’s customers do not understand well how to unbundle

the purchase price and the interest cost and instead focus on the monthly installment payment (Aparna, 2005).

Role of MNC

An important element of the BOP proposition is that MNCs should take the lead role in the BOP initiative to sell to the poor (Prahalad and Hart, 2002). In fact, to the extent that there are opportunities to sell to the poor, it is usually small to medium sized local enterprises that are best suited to exploiting these opportunities. Markets for selling to the poor usually do not involve significant economies of scale. Markets at the BOP are often geographically and culturally fragmented; this combined with weak infrastructure makes it hard to exploit scale economies. Products sold to the poor are often less complex reducing the scale economies in technology and operations. As examples, bicycles are less scale intensive than motorcycles and cars; fans are less scale intensive than air-conditioners; unprocessed food is less scale intensive than processed food. Products sold to the poor are also usually less marketing and brand intensive, further reducing scale economies. It is interesting, and not accidental, that in spite of the BOP emphasis on MNCs, virtually all the examples cited in Prahalad's (2004) book are fairly small or local firms, but not MNCs.

Through their decades of on-the-ground experience in poor countries, MNCs have probably already realized that there is no fortune at the bottom of the pyramid, or that they have no competitive advantage here, and thus have avoided major investments in

this illusory market. This may be a good thing, since MNCs might otherwise inhibit the emergence of local private entrepreneurs who provide economic as well as non-economic benefits to society (e.g. as community leaders).

Harmless Illusion or Dangerous Delusion

We have argued that the BOP market is quite small. Moreover it is not a very profitable market. This is not to suggest that there are no success stories of selling to the poor. But these are isolated instances. Opportunities for profit by selling to the poor are not nearly as pervasive as the BOP proposition argues. It is interesting to note that the BOP proposition emphasizes opportunities for significant profits, and yet cites many ‘supporting’ examples of not-for-profit organizations. If a private company is motivated not by economic profits, but by social responsibility, then of course there are many opportunities for marketing to the poor.

The BOP proposition is based on a mirage. There is no fortune to be made by selling to the poor. Even if the BOP proposition is an illusion, we should perhaps try the solution given the high stakes involved. Or, is it true that the BOP proposition can hurt the very people it is trying to help? In that case the BOP proposition is actually a dangerous delusion. Which is it: a harmless illusion or a dangerous delusion?

Exploitation of the Poor

The BOP proposition suggests that the consumption choices available to the poor can be increased by targeting various products and services, such as shampoo, iodized salt and televisions, at the BOP. Holding the poor consumer's income constant, the only way he can purchase the newly available product is to divert expenditure from some other product. Still, this increased choice will increase his welfare, assuming he is a 'rational' consumer. However, as a practical matter, this is unlikely to result in a significant change in his poverty situation. Additionally, if for some reason, the poor consumer is irrational in his resource allocation choice, the BOP initiative might even result in reducing his welfare. The BOP initiative could result in the poor spending money on products such as televisions and shampoo that would have been better spent on higher priority needs such as nutrition and education and health. Prahalad dismisses such arguments as patronizing and arrogant; how can anybody else decide what is best for the poor? He argues that the poor have the right to determine how they spend their limited income and are in fact value-conscious consumers; the poor themselves are the best judge of how to maximize their utility. This is free market ideology taken to an extreme, and is a potentially dangerous aspect of the BOP proposition.

The poor in fact are vulnerable by virtue of lack of education (often they are illiterate), lack of information, and economic, cultural and social deprivations. A person's utility preferences are malleable and shaped by his background and experience, especially so if he has been disadvantaged. We need to look beyond the expressed preferences and focus

on people's capabilities to choose the lives they have reason to value. Amartya Sen (2000, page 63) eloquently states:

“The deprived people tend to come to terms with their deprivation because of the sheer necessity of survival, and they may, as a result, lack the courage to demand any radical change, and may even adjust their desires and expectations to what they unambitiously see as feasible. The mental metric of pleasure or desire is just too malleable to be a firm guide to deprivation and disadvantage. ... Social and economic factors such as basic education, elementary health care, and secure employment are important not only in their own right, but also for the role they can play in giving people opportunity to approach the world with courage and freedom.”

The problem is that the poor often make choices that are not in their own self interest. (The rich also often make choices not in their self interest, but the consequences are not as severe in their case.) We examine below the consumption choices of the poor in the context of two products: alcohol and whitening cream.

Poverty and Alcohol

Alcohol consumption is a financial drain for the poor. Baklien and Samarasinghe (2004) in their in-depth field study find that “over 10 % of male respondents report spending as much as (or more than!) their regular income on alcohol.” Sadly, the poorer people spend a greater fraction of their income on alcohol than the less poor. Aside from the

direct financial cost, alcohol abuse imposes other economic and social costs such as work performance, health, accidents, domestic violence and child neglect. There is much evidence showing that alcohol abuse exacerbates poverty.

Should the poor have the right to consume, and even abuse, alcohol? Yes. Is it in their self interest to do so? Undoubtedly, no. Should companies have the right to profit from sale of alcohol to the poor? Yes, but even in rich, capitalist economies the governments put some constraints on this right, such as ‘sin taxes,’ restrictions on advertising, and sale to minors. Yet, legal and social mechanisms for consumer protection are often very weak in developing countries, and even more so with regard to poor people.

Whitening Cream

Hammond and Prahalad (2004) cite the example of a poor woman expressing pride in being able to use a fashion product, Fair & Lovely, a skin cream marketed by Unilever. “She has a choice and feels empowered.”

One TV advertisement for Fair & Lovely aired in India “showed a young, dark-skinned girl’s father lamenting he had no son to provide for him, as his daughter’s salary was not high enough – the suggestion being that she could not get a better job or get married because of her dark skin. The girl then uses the cream, becomes fairer, and gets a better-paid job as an air hostess – and makes her father happy” (BBC News, 2003). The All India Democratic Women’s Association campaigned against this and another advertisement as being racist, discriminatory, and an affront to women’s dignity. Ravi

Shankar Prasad, Minister of Information and Broadcasting, said “Fair & Lovely cannot be supported because the advertising is demeaning to women and women’s movement” (The Economic Times, 2003). Unilever has since discontinued these two advertisements in India.

Indian society, like many others, unfortunately suffers from racist and sexist prejudices. This leads many women to use skin lightening products, sometimes with negative health side-effects (Browne, 2004). Hammond and Prahalad (2004) argue that the poor woman “has a choice and feels empowered because of an affordable consumer product formulated for her needs.” This is no empowerment! At best, it is an illusion; at worst, it serves to entrench her disempowerment. Women’s movements in countries from India to Malaysia to Egypt obviously do not agree with Hammond and Prahalad, and have campaigned against these products. The way to truly empower this woman is to make her less poor, financially independent, and better educated; we need social and cultural changes that eliminate the prejudices that are the cause of her deprivations.

Should women have the right to buy Fair & Lovely? Yes. Should Unilever have the right to make profits by selling these products? Yes; Unilever after all did not create the prejudices that feed the demand for this product. Yet, it is likely that the company helps to sustain these prejudices, however unwittingly. In any case, we should impose some constraints on this right in terms of truth in advertising, full disclosure of ingredients in the product and its potential side effects. Even in rich capitalist countries, governments impose restriction on free markets to protect consumers in various ways, such as

regulations related to labeling disclosure, truth in advertising, and marketing to minors. Consumer movements are active in areas where there are no legal restrictions, such as the recent pressure on McDonald's to introduce healthy meals. Such consumer protection, both legal and social, is inadequate in the developing countries. This is even more true in the context of selling to the poor, who often lack the information and education needed to make well informed choices.

Raise Income

Not only is there no fortune, there is not even glory at the bottom of the pyramid. It is a fallacy to claim that there is much 'untapped' purchasing power at the BOP. The poor, in fact, obviously consume most of what they earn, and as a consequence have a low savings rate. Contrary to the BOP argument, getting the poor to consume more will not solve their problem,. Their problem is that they cannot afford to consume more.

The only way to help the poor and alleviate poverty is to raise the *real* income of the poor. There are only two ways to do this: 1) lower prices by appropriately lowering the quality of the goods that the poor buy, which will in effect raise their income, and 2) raise the income that the poor earn. The BOP proposition eschews the first approach because it insists on not lowering quality. It deemphasizes the second approach because it views the poor primarily as consumers rather than as producers.

Lower Prices

One way to alleviate poverty is to reduce the prices of the goods and services the poor buy (or would buy), thus increasing their effective income. To have a significant impact on the purchasing behavior of the poor, the BOP proposition calls for price reductions of over 90%. This is too ambitious a target and rarely achieved; let us consider instead price reductions of at least, say, 50%

There are only three ways to reduce prices: 1) reduce profits, 2) reduce costs without reducing quality, and 3) reduce costs by reducing quality. If it is true that the average profit margin in a market is well over 50%, we should certainly endeavor to make the market more ‘efficient’ and reduce monopoly profits resulting in significant price reduction. Even allowing for the fact that the poor are often subject to local monopolies, this must be a rare situation. Therefore, the only realistic way to reduce price is to reduce cost. The BOP proposition is adamant that we should not reduce quality in this process.

Unless all current producers are grossly inefficient, the only way to reduce cost by over 50% without reducing quality will always require a significant improvement in technology. Good examples of this are found in the areas of computers, telecommunications and various electronic products. It is difficult to find examples of such dramatic cost reduction in other product categories. Thus it is not surprising that the BOP proposition repeatedly uses the same examples. Note that the ultimate impact on the real income of the poor due to these major price reductions is quite low because the

poor spend only a small part of their income on such electronic products. Rather they spend over 80% of their income on food, clothing and fuel – products that have not benefited from such dramatic technological changes in a long time.

At times the BOP proposition exaggerates the price reduction achieved, by making inappropriate comparisons. A frequently cited example in the BOP literature is the Aravind Eye Care System, a not-for-profit organization in India. It has been claimed (Prahalad, 2004, page 29) that Aravind has reduced the cost of a cataract operation to \$25 to \$300 compared to \$2,500 to \$3,000 in the USA. Aravind is an excellent organization that has reduced costs through scale economies, specialization and process design. But, the above comparison exaggerates its achievement. First, to be consistent, Aravind's costs should be converted into dollars at PPP rates, not at financial exchange rates (Prahalad, 2004, page 269). Second, several factors lead to high health care costs in the USA such as high labor costs for doctors, nurses and para-medics, high administrative costs due to the third party payment system, and malpractice insurance. Comparing Aravind's costs to costs in the USA is irrelevant. For example, the cost of a haircut in a small Indian town is similarly dramatically lower than in the USA. This does not imply any breakthrough achievement by the Indian hair salon. The appropriate comparison is between Aravind and a hospital in India. This does not detract from recognizing Aravind as an innovative organization, but the BOP proponents exaggerate the price reduction achieved by it.

Cost-quality trade-offs

Contrary to the BOP proposition, it is often necessary to reduce quality in order to reduce costs; the challenge is to do this in such a way that the cost-quality trade-off is acceptable to poor consumers. A good example of this logic is the low-price detergent introduced by Nirma in India. In 1969 Karsanbhai Patel started a small business to sell a cheap detergent powder he had formulated in his kitchen. The quality of Nirma was clearly inferior to that of Surf, the product marketed by Hindustan Lever, the Indian subsidiary of Unilever. “Nirma contained no ‘active detergent’, whitener, perfume, or softener. Indeed tests performed on Nirma confirmed that it was hard on the skin and could cause blisters” (Ahmad and Mead, 2004). Largely because of this Nirma sold at a price about one-third the price of Surf. Nirma rapidly became a success. In 1977, Surf had a market share of 31 % compared to 12% for Nirma. Ten years later in 1987, the market share of Surf had come down to 7% while that of Nirma had gone up to 62%. Contrary to the BOP proposition, the poor do like inexpensive, low-quality products! This is not because they cannot appreciate or do not want good quality. They simply cannot afford the same quality products as the rich; so, they have a different price-quality trade-off. They are even willing to put up with a detergent that sometimes causes blisters!

Most often, reducing costs while reducing quality does not require a major technological advance. Prahalad and Hart (2002) admire the R&D prowess of Unilever to harness state-of-the-art technology to serve the poor. Yet in this famous example of Nirma, it was a lone chemist who formulated the product in his kitchen.

Nirma is a perfect example of a win-win situation. The company has created a large market and made significant profits. The poor are better off now that they can buy an affordable detergent. In a real sense they are economically better off. We need more products like Nirma. Unfortunately, examples like Nirma are not common.

Selling inexpensive, low-quality products does not hurt the poor. Insisting on not lowering the quality actually hurts the poor by depriving them of a product they could afford and would like to buy. The BOP proposition argues that selling low quality products to the poor is disrespectful. Quite the contrary, imposing our price-quality trade-off on the poor is disrespectful of their preferences. The myth is that low-quality implies terrible, shoddy, or dangerous products. It is better to think of quality as a relative concept.

Quality broadly defined

Garvin (1987) develops a framework for analyzing quality by considering eight dimensions of quality: performance, features, reliability, conformance, durability, serviceability, aesthetics, and perceived quality. To further expand this concept, other dimensions might be added such as availability, timeliness, convenience, and customization. The customer takes into account all these dimensions and arrives at a subjective judgment of the overall quality of the product (or service), and is, by definition, willing to pay a higher price for a product with higher quality – this is the price-quality trade-off. Holding technology and firm capabilities constant, it costs more to produce higher quality products – this is the cost-quality trade-off. To profitably serve

the poor, the firm needs to make the cost-quality trade-off in a manner consistent with the price-quality trade-off made by the target customer.

The BOP proposition correctly celebrates the ‘shared access’ model as a way to make products more affordable to the poor. A successful business model is for the poor to share or rent products such as cell phones. The poor, like the rich, would prefer to exclusively own a cell phone; but the poor make a price-quality trade-off and opt to share a phone.

The Poor as Producers

The BOP proposition focuses on the poor as consumers. To the contrary, we argue for the need to view the poor primarily as producers, not as consumers. Rather than emphasizing selling to the poor, we should emphasize buying from the poor. By far the best way to alleviate poverty is to raise the income of the poor.

Even though the BOP proposition conceptually focuses on the poor as consumers, it sometimes cites examples of successful organizations that treat the poor primarily as producers. We agree with these examples and will highlight some of them below. In discussing solutions to poverty, it is useful to conceptually separate the role of the poor as consumers and producers.

Micro-finance

A good example of helping to raise the income of the poor is the field of microfinance. This clearly creates better job opportunities for the poor; it often also has other beneficial effects such as increasing self-esteem, social cohesion, and empowering women. A pioneer in this field is the Grameen Bank in Bangladesh, founded by Muhammad Yunus in 1976. The central objective of the Grameen Bank has been to “reverse the age-old vicious circle of ‘low income, low saving & low investment’, into a virtuous circle of ‘low income, injection of credit, investment, more income, more savings, more investment, more income’” (Grameen Bank, 2005). The key here is to view the poor as investors, entrepreneurs, and producers, not as consumers.

Microfinance has been around for a long time, and has proliferated recently. The pioneers here were charitable social organizations that by intent have been barely profitable, but did seek to be sustainable. More recently, large banks and insurers have been attracted to this field by the potentially lucrative market. However, of 7,000 microfinance institutions surveyed, fewer than 100 claim financial self-sufficiency (Prahalad, 2004, p. 293) – let alone economic profits.

Does microfinance at least help to alleviate poverty? The answer is probably yes, but the empirical evidence is mixed (see, for example, Khawari, 2004). A few studies have even found that micro-credit has a negative impact on poverty; poor households simply become poorer through the additional burden of debt.

Create Efficient Markets

The poor often sell their products and services into inefficient markets and do not capture the full value of their output. Any attempt to improve the efficiency of these markets will raise the income of the poor. Amul, a large dairy cooperative in India, is a great example of this approach. Amul collects milk from 12 million farmers twice a day from 100,000 villages. It started by selling milk, but has since forward integrated into more value added products such as butter, milk powder, cheese, ice cream, and pizza. More recently it has even entered direct retailing through franchising parlors. Amul is owned by the poor (it is a cooperative), and buys from the poor (the farmers, who are its members); however, its customers are mostly from the middle and upper income groups, and export markets.

Another example along similar lines is e-Choupal, an initiative of ITC in India (Prahalaad, 2004). Based on an innovative business model, e-Choupal has brought efficiency to the system for moving soybeans from the individual farmer to oil processing plants. It has reduced dramatically the role of, and the rents captured by middlemen in this process. ITC views the poor farmers not as consumers, but rather as producers. “Our e-Choupal is fostering inclusive growth and *enhancing the wealth creation capability of marginal farmers*” (emphasis added) says Y.C. Deveshwar, Chairman of ITC (The Hindu, 2006).

Job Creation

Ventures such as microfinance, Amul and e-Choupal are commendable because they improve the productivity of poor individual farmers and help create micro-enterprises.

However, it is small and medium sized enterprises that provide most of the jobs and generate most of the new employment in the development process. In various sectors of the economy, large enterprises are needed to exploit economies of scale. For significant alleviation of poverty, we need to facilitate the migration of people from (subsistence) agriculture to the industrial sector – this requires creation of a large number of low-skill jobs in the labor intensive industrial (or, in some cases, services) sector.

Role of the Government

Governments need to facilitate the creation and growth of private (small, medium and large) enterprises in labor intensive sectors of the economy, through appropriate policies (such as de-regulation), infrastructure (such as transportation), and institutions (such as capital markets). Small and medium sized enterprises need financing options – both debt and equity -- in the range of \$10,000 to \$1 million that are almost non-existent in developing countries (Shell Foundation, 2005). Lack of good infrastructure results in geographically fragmented markets and firms that are too small to exploit scale economies.

The best antidote to poverty is economic growth. There is much evidence linking poverty reduction to economic growth – the so called ‘trickle down’ or ‘multiplier effect’. But, there are two problems with this argument. First, the trickle down effect may be too little and too slow. We need to target programs specifically at poverty reduction rather than just wait for the general multiplier effect to kick in. The recent political changes –

disillusionment with market liberalization and a drift to the populist left -- in several South American countries (such as Venezuela, Bolivia, and Peru) support such an emphasis on poverty reduction.

Second, poverty cannot be defined only in economic terms; it is about a much broader set of needs that permit well being. Development can be seen as a “process of expanding the real freedoms that people enjoy” (Sen, 2000). “The point is not the irrelevance of economic variables such as personal incomes, but their severe inadequacy in measuring many of the causal influences on the quality of life and survival chances of people”. The BOP proposition focuses on companies, marketing and prosperity; it sees the social, cultural and political benefits at best as by-products of economic gains. In contrast, we think that social, cultural and political freedoms are desirable in and of themselves, and also enablers of individual income growth. We should emphasize the role of the government and public policy in cultivating and safeguarding these other (non-economic) freedoms.

Virmani (2006), an economist with the elite Planning Commission of the Government of India, concedes that the improvement in social indicators in India has not kept pace with economic growth and poverty decline. This is the result of government failure to “fulfill the traditional, accepted functions of the government like public safety and security, universal literacy and primary education, public health education, provision of drinkable water, sanitation drains and sewage facilities, public health (infectious and epidemic diseases), building road, and creating and disseminating agricultural technology.” While

there has been a distinct shift in political ideology of the world towards an increasing role of the market (as opposed to the government), providing the above functions still needs to be in the public domain, especially in the context of helping the poor.

Downside of the BOP Proposition

Even if not intentional, a by-product of the BOP proposition is its de-emphasis of the role of the state in providing basic services and infrastructure. Actually, the BOP proposition goes even further. Prahalad is quoted as saying “if people have no sewage and drinking water, should we also deny them televisions and cell phones? ... It is absolutely possible to do well while doing good” (Time, 2005). The poor surely have a right to buy televisions; the issue is whether it is in their self interest to buy televisions. Prahalad (2002) argues that the poor accept that access to running water is not a “realistic option” and therefore spend their income on things that they can get now that improve the quality of their lives.

Why do the poor accept that access to running water is not a realistic option? Even if they do, why should we all accept this bleak view? Instead, we should emphasize the failure of government and attempt to correct it. Giving a ‘voice’ to the poor is a central aspect of the development process.

Prahalad (2002) describes the impressive extent of business activity in the slums of Dharavi (in Mumbai). “The seeds of vibrant commercial sector have been sown.” But,

we should be cautious about celebrating this entrepreneurship too much. Sharma (2000) in her emotive book about Dharavi states that while enterprise in the midst of deprivation is to be admired, there is absolutely “nothing to celebrate about living in a cramped 150 sq. ft. house with no natural light or ventilation, without running water or sanitation.” The UN-Habitat estimates that in Dharavi there is one public toilet for every 800 people. This poses a bigger problem for women because of obvious reasons of anatomy, modesty and susceptibility to attack. Televisions are not an adequate substitute for lack of sanitation. Even if we concede that televisions help the poor to escape the burden of their bleak lives and thus provide some value, how do they help *eradicate* poverty?

To truly solve the problem of poverty, we need to go beyond increasing the income of the poor; we need to improve their capabilities and freedoms along social, cultural, and political dimensions as well. The role of the government is critical in some of these dimensions. By emphatically focusing on the private sector, the BOP proposition detracts from the imperative to correct the failure of government to fulfill its traditional and accepted functions such as public safety, basic education, public health, and infrastructure, all of which increase the productivity and employability of the poor, and thus their income and well-being. Reform of capital markets will also enable many more local entrepreneurs to create jobs that employ as well as serve the poor.

Beyond the Hype

The BOP proposition is characterized by much hyperbole and very weak research methodology. The fortune and glory at the bottom of the pyramid are a mirage. The fallacy of the BOP proposition is exacerbated by its hubris. Prahalad (2004, page 45) states that all the examples used in his book challenge the current paradigm. Selling appliances on credit – as does Casas Bahia – is not even a novel idea, let alone a new paradigm.

The Millennium Development Goals adopted by the United Nations member states target the halving of extreme poverty in 25 years. Finding this pace too slow, Prahalad (2004, page 112) states “I have no doubt that the elimination of poverty and deprivation is possible by 2020.” But why be satisfied with only poverty eradication when so many other problems plague the world? Prahalad and Hammond (2002) argue that the BOP initiative will not only eradicate poverty, but also cure economic stagnation, deflation, governmental collapse, civil wars, and terrorism. And all this in 15 years!

Walsh et al (2005) are awed by Prahalad’s (2004) ambition: “he is trying to eradicate worldwide poverty in 15 years for goodness sake!” They argue for cutting Prahalad some slack; “we cannot let people suffer and die while we pause to clarify the logic”. We think exactly the opposite. It is precisely because poverty is such a serious issue that we should be careful to validate the logic and demand much rigor. Solving the crisis of poverty

requires recommendations supported by logical analysis rooted in data, not exhortations based on unsupported assertions and hyperbole. The poor deserve no less.

Conclusion

Private companies should try to pursue marketing to the poor. However, the profit opportunities are modest at best and we suggest a cautious approach. Large companies that require scale economies should be even more hesitant. The best opportunities exist when the firm reduces price significantly by innovatively changing the price-quality trade-off in a manner acceptable to the poor.

The private sector can help alleviate poverty by focusing on the poor as producers. One way to do this is to make markets more efficient such that the poor capture the full value of their outputs. Certainly the best way for private firms to help eradicate poverty is to invest in upgrading the skills and productivity of the poor, and to help create more employment opportunities for them. This is the win-win solution; this is the real fortune at the bottom of the pyramid.

References

- Ahmad, P.S. and J. Mead. 'Hindustan Lever Limited and Project Sting.' Darden Business Publishing, 2004.
- Aparna, K.Y. 'Casas Bahia.' ICFAI Center for Management Research, 2005.
- Baklien, B. and D. Samarasinghe. Alcohol and poverty in Sri Lanka. FORUT, Norway. Report available at <http://www.forut.no/index.php/15703-1>. 2004.
- Balakrishna, P. and B. Sidharth. 'Selling in rural India.' *The Hindu Business Line*, 16 February, 2004.
- BBC News. 'India debates 'racist' skin cream ads.' *BBC News*, 24 July, 2003.
- Bhattacharya, Sindhu. 'The ice-cream punch.' *The Hindu Business Line*, 24 June, 2004.
- Bhattacharya, Sindhu. 'Coke's challenge.' *The Hindu Business Line*, 14 July, 2005.
- Browne, K. 'An unhealthy idea of beauty.' *Ms*, Spring 2004.
- Gangopadhyay, Shubhashis and Wilima Wadhwa. 'Changing pattern of household consumption expenditure.' Society for Economic Research & Financial Analysis, New Delhi, The Planning Commission, Government of India, 2004.
- Garvin, David A., 'Competing on the Eight Dimensions of Quality.' *Harvard Business Review*, 1987
- Grameen Bank. Website <http://www.grameen.com/bank/index.html>. 2005
- Hammond, A. and C.K. Prahalad. 'Selling to the poor.' *Foreign Policy*, 2004.
- Kamath, Vinay. 'HLL tastes the cream finally.' *The Hindu Business Line*, 21 August, 2002.
- Khawari, Aliya. 'Microfinance: Does it hold its promises? A survey of recent literature.' Discussion Paper 276. Hamburg Institute of International Economics. 2004.
- Prahalad, C.K. Fortune at the Bottom of the Pyramid: Eradicating Poverty through Profits. Wharton School Publishing, 2004.
- Prahalad, C.K., and A. Hammond. 'Serving the world's poor profitably.' *Harvard Business Review*, 2002.
- Prahalad, C.K., and S.L. Hart. 'The fortune at the bottom of the pyramid.' *Strategy + Business*, 2002.
- Sen, A. Development as Freedom. Anchor Books, 2000.
- Sharma, K. Rediscovering Dharavi: Stories from Asia's Largest Slum. Penguin Books India, 2000.
- Shell Foundation. Enterprise Solutions to Poverty. Shell Foundation. 2005
- The Economic Times. 'Ban for the buck.' *The Economic Times*, 2 April, 2003.
- The Economist. 'More or less equal.' *The Economist*, 11 March, 2004a.
- The Hindu. 'ITC to invest \$1 b in e-Choupal infrastructure.' *The Hindu*, 4 January, 2006.
- Time. 'Selling to the Poor.' *Time*, 17 April, 2005.
- Virmani, Arvind. 'Poverty and hunger in India: what is needed to eliminate them.' Working Paper No. 1/2006-PC, Planning Commission, The Government of India, 2006.
- Walsh, J., J.C. Kress and K.W. Beyerchen. 'Book review essay: Promises and perils at the bottom of the pyramid.' *Administrative Science Quarterly*, 2005.
- World Bank. Data and Statistics Website.
<http://web.worldbank.org/wbsite/external/datastatistics>. The World Bank, 2005.