DOCUMENT OF THE INTER-AMERICAN DEVELOPMENT BANK

MEXICO

MULTIPHASE PROGRAM FOR THE CONSOLIDATION AND EXPANSION OF THE *OPORTUNIDADES* HUMAN DEVELOPMENT PROGRAM, PHASE II

(ME-L1007)

EVALUATION REPORT

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ABBREVIATIONS

CIESAS Centro de Investigación y Estudios Superiores en Antropología Social

ENCASEH Encuesta de Caracterización Socioeconómica de los Hogares

ENCEL Rural Evaluation Surveys
ENCELURB Urban Evaluation Surveys
FPM Family Planning Methods
GME Government of Mexico

IFPRI International Food Policy Research Institute

IMSS Mexican Institute of Social Security

INEA Instituto Nacional para la Educación de Adultos

INSP Instituto Nacional de Salud Pública

NAFIN Nacional Financiera, SNC

OC Ordinary Capital PC Prenatal Care

PTI Poverty Targeted Investment
ODC Qualified Delivery Care

SEDESOL Social Development Secretariat SEP Secretariat of Public Education

SHCP Secretariat of Finance

SIIOP Program Monitoring Indicators System

SSA Secretariat of Public Health

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PROJECT SUMMARY MEXICO

MULTIPHASE PROGRAM FOR THE CONSOLIDATION AND EXPANSION OF THE *Oportunidades*HUMAN DEVELOPMENT PROGRAM, PHASE II

(ME-L1007)

Financial Terms and Conditions ¹									
Borrower: Unite	d States of Mexico	Amortization Period:	25 years						
Executing Agency: National Coordination of the			Disbursement Period:	4 years					
Oportunidades I	Program								
Source	Amount	%	Interest Rate:	Libor					
IDB (OC)	1.200 billions	42	Supervision and	0%					
Local	1.650 billions	58	Inspection Fee:						
Total	2.850 billions	100	Credit Fee:	0.25% undisbursed					
				balance of the					
				financing					
			Currency:	US dollars					

Project at a Glance

Project objective:

The purpose of the program is to increase human capital accumulation among extremely poor families, by improving their access to education, health and nutrition. The specific objectives of the second phase are: (i) to sustain and increase the demand for education, health and nutrition in order to ensure medium and long term impacts; (ii) to strengthen the program's design, in the areas of educational health talks and community participation; (iii) to increase the operational efficiency of the program; and (iv) to continue the external impact evaluation of the program.

Special contractual clauses:

Prior to the first disbursement of the financing, the Executing Agency will present evidence of the approval of the Rules of Operations, 2005 (see paragraph 3.3). In addition, as a condition to execution the borrower will agree to comply with the following conditions: (i) apply the National Targeting Model for beneficiary selection; and (ii) condition the cash transfer to the beneficiary compliance with relevant actions in education and health. The Loan contract will also include standard provisions for these types of operations related to audit, evaluation and reporting. The borrower has requested anticipated financing and reimbursement of expenses for an aggregate amount of US\$65.4 million (see paragraph 3.7).

Exceptions to Bank policies: Sole-sourcing of individual consultants and the CIESAS in the cases when the tasks are a continuation of previous work carried out during phase I (see paragraph 3.4).

Project consistent with Country

Strategy: Yes [x] No []

Project qualifies for: SEQ[x] PTI[x] Sector[x] Geographic[x] Headcount[x]

Procurement: see paragraph 3.4.

Verified by CESI on: January 14, 2005.

The interest rate, credit fee, and inspection and supervision fee mentioned in this document are established pursuant to document FN-568-3 Rev. and may be changed by the Board of Executive Directors, taking into account the available background information, as well as the respective Finance Department recommendations. In no case will the credit fee exceed 0.75%, or the inspection and supervision fee exceed 1% of the loan amount (*)

^(*) With regard to the inspection and supervision fee, in no case will the charge exceed, in a given six-month period, the amount that would result from applying 1% to the loan amount divided by the number of six-month periods included in the original disbursement period.

I. PHASE I RESULTS

A. Frame of reference

- 1.1 The multiphase program for the consolidation and expansion of the Human Development Program *Oportunidades* (1388/OC-ME) was approved by the Bank's Board of Executive Directors on January 16 2002¹. The purpose of the program is to increase human capital accumulation among extremely poor families, by improving their access to education, health and nutrition. The Bank appraised the program as a two-phase operation, with an estimated total cost of US\$4.755 billion. The Bank would finance up to US\$2.000 billion in two separate loans of a billion each.
- 1.2 The Government of Mexico (GME) and the Bank agreed that approval of phase II would be contingent upon an evaluation of benchmarks defined for phase I, including: (i) disbursement of at least 50% of the loan proceeds; (ii) achievement of coverage targets; (iii) proposed changes to the program resulting from diagnostic studies; and (iv) impact evaluation of the urban expansion. The impact evaluation of the urban expansion required measuring the impact on schooling levels, the demand for health services and nutritional behavior, among others. In addition to the global evaluation, the following actions were also required: (i) adjustments to procedures for obtaining information concerning the identification, selection and incorporation of beneficiaries; (ii) operational evaluation of the distribution system for medicines and food supplements; (iii) the implementation of the Program Monitoring Indicators System (SIIOP); and (iv) evaluation and approval of the new National Targeting Model.
- 1.3 The objectives of this document is to: (i) report on the performance of triggers for the transition to phase II; (ii) present a summary of evaluation findings for phase I; and (iii) present to the Board of Directors, for approval, the proposal for phase II of the Human Development Program *Oportunidades*.

B. Oportunidades in the development strategy of the country and the Bank

1.4 Mexico exhibits disproportionate levels of poverty given its income per capita levels. However, poverty and extreme poverty rates have been falling in recent years, even on the face of negative per capita growth. This trend can be explained in part by improvements in income distribution associated with: (a) increased coverage of targeted social programs; (b) increased purchasing power in a context of declining inflation; (c) larger inflows of remittances; and (d) lower prices for some basic staples of consumption (GN-2251-3). Programs like *Oportunidades* and *Habitat* are pillars in the GME's social development strategy (known as *Contigo*), and its "National Development Plan, 2001-2006" which focuses on: (i) increasing welfare levels; (ii) promoting equity in access to programs and

Annex I contains the executive summary of the loan proposal for the first phase, document PR-2650.

opportunities; and (iii) fostering initiatives among citizens to complement public ones.

1.5 This program is in line with the Bank's mandates and strategies on the inclusion of groups living in poverty. The Bank's Eight Replenishment called for broader inclusion of groups living in poverty, through an integrated approach to interventions aimed at human capital formation (par. 2.8, 2.12-2.14). In this framework, the Bank's Poverty Reduction and Promotion of Social Equity Strategy recognized that "the fight against poverty shows that while sustainable economic growth, macroeconomic stability, and governance are key ingredients for poverty reduction, they are not sufficient. What is needed, also, are *specific actions* to promote greater equity and to increase the impact of growth on poverty". The Bank's country paper for Mexico (GN-2181), focused in its first pillar support for programs and initiatives for the modernization of social sectors and reduction of extreme poverty, as well as, specially targeted programs to the poor, indigenous and other vulnerable groups (par. 4.5).

C. Achievement of triggers agreed upon for the transition to phase II

- 1.6 In 2001, the GME decided to expand its well-known and effective poverty alleviation program, *Progresa*², from the rural areas, where it traditionally had operated, to urban areas of the country. This decision presented a considerable set of challenges that ranged from operational to fundamental design issues including the potential relevance of the program in such a different environment as the urban. In this context, the Bank provided technical assistance and financing to the GME through its loan 1388/OC-ME.
- 1.7 With the support of the Bank's program, *Oportunidades* has reached close to 100% of families living in extreme poverty in the country during its phase I. It has significantly updated its operational processes in the urban areas and updated rural processes as well. At the same time, the program undertook a rigorous impact evaluation of its interventions in the urban area and of the medium term effects of the program in the rural areas.
- 1.8 The program started implementing its National Targeting Model, which was a condition for eligibility of phase I, and changed its beneficiary incorporation mechanisms to adapt them to the urban areas. Table I.1 shows that during the first year of implementation the program incorporated 660,000 families in the semi-urban and urban areas³, and 460,000 new families in rural areas. Rural families that qualified were made up by new families (by marriage or migration) in localities were the program was already operating and in new rural localities that had not benefited from the program.

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² In 2001, *Progresa* was renamed *Oportunidades*.

Semi-urban are localities that range in size from 2,500 to 15,000 people. Urban localities are defined as >than 15,000 inhabitants.

1.9 This front-loading of the expansion of coverage created substantial strains on the operational capacity of the program, and revealed operational processes that were obsolete and needed reengineering. The program spent most of the second year of program execution realigning operational processes in order to increase its operational efficiency.

Table I.1
Program coverage - flow and stock (millions of households)

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Flows											
Incorporated families	0.30	1.29	0.71	0.17	0.64	1.12	0.00	0.76			
Rural	0.30	1.29	0.71	0.17	0.07	0.46	0.01	0.44			
Semi-urban	-	-	-	-	0.57	0.16	0.01	0.12			
Urban	-	-	-	-	-	0.50	0.02	0.20			
Recertification by				0.30	1.29	0.71	0.17	0.64	1.12	0.00	0.76
cohort											
EDA ⁴							0.004	0.06	0.03	0.001	n.d.
Stock of beneficiaries	0.30	1.60	2.31	2.48	3.12	4.24	4.24	5.00	5.00	5.00	5.00

1.10 The program's targets for operational procedures, design adaptations and expected impacts in the areas of education, health and food consumption have been achieved. Thus, we conclude that conditions set forth in the loan proposal (document PR-2650) for the approval of phase II have been met. Table I.2 reports on indicators and benchmarks that the borrower and the Bank agreed upon for the program's first phase, their achievement level and source of verification.

Table I.2
Phase I – Agreed Indicators for Processing the Second Phase of the Program

Second Phase Triggers and Indicators				
Indicators	Targets Achieved and Verification Sources			
• Disbursement >50%.	99.7% disbursed.			
Coverage Target >4.8 million.	5,000,000 families by end of 2004.			
Impact Evaluation of short-term effects for urban beneficiaries shows significant impacts compared to the control group.	effects for Achieved. Baseline carried out on urban sample			
Impact Evaluation of medium-term effects on rural beneficiaries completed.	Achieved. Panel follow-up survey in 2003. See Table I.6, and 7 for results.			
Adaptation to urban design according to diagnostic studies implemented.	Achieved.			
Unit for geographic targeting defined.	Geographic targeting for the urban areas was adapted to concentration of poor households by blocks to determine the poverty level of locality.			
Size of monetary support to fit urban poverty profile. Size of education grant by grade level and gender adjusted.	Bank analyses showed a potential worsening of income distribution among beneficiaries if these changes were applied. (Soares, Y. "Results of a micro-simulation of the			

EDA stands for *Esquema Diferenciado de Apoyos*. In 2003, a new graduation scheme was approved by which families that did not qualify under recertification will continue to receive the education subsidies only, until their children graduate from 9th Grade.

Second Phase Triggers and Indicators				
Indicators	Targets Achieved and Verification Sources			
	impact of different <i>Oportunidades</i> transfer amounts in urban areas." Technical Note 1 ¹).			
Adjustments to incorporation process in urban	Achieved.			
environment implemented.	(Devoto, F. "Informe de Evaluación de Eficiencia Operativa del Programa de Desarrollo Humano <i>Oportunidades</i> de México." Nota Técnica No.2 ²).			
Operational audit mechanism put in operation.	Achieved. Audit sample expanded to achieve representativeness at the state level.			
	(Gaarder, M. "Desempeño de los mecanismos de auditoría operativa del Programa de Desarrollo Humano <i>Oportunidades</i> ." Nota Técnica No.4 ³).			
Operational efficiency of food supplement	Achieved (base 2001 to 2004).			
distribution system increased since the start of the project as evidenced by SIIOP indicators.				
% of children under nutritional surveillance.	Increase from 90% to 98% (age 2-4 years old). Increase from 91% to 98% (< than 2 years old).			
% of children suffering from malnutrition by age group.	Decrease from 28% to 24% (age 2-4 years old). Decrease from 16% to 15% (< than 2 years old).			
% of children receiving food supplements.	Increase from 70% to 82% (< than 2 years old ⁴).			
% of pregnant women under prenatal control.	Increase from 93% to 98%.			
% of breast-feeding women receiving prenatal care.	Increase from 93% to 98%.			
% of pregnant and breast-feeding women receiving food supplement.	Increase from 82% to 91% (pregnant ⁵). Approximately 87% (breast-feeding ⁶).			
Average number of food supplement packages received by beneficiaries (12 packages recommended provision for women, and 10 for children).	Decrease from 17 packages to 12 (breast-feeding). Decrease from 16 packages to 12 (pregnant). Decrease from 10.13 packages to 10.07 (< than 5 years old ⁷).			
Qualitative assessment of food supplement production, distribution and delivery chains by entity responsible presented.	Achieved. (Gaarder, M. "La eficiencia operativa del sistema de distribución de suplementos alimenticios del Programa de Desarrollo Humano <i>Oportunidades.</i> " Nota Técnica No.5 ⁸).			
Coordination with other social programs	Achieved.			
implemented.	66% of <i>Oportunidades</i> high school students participate in <i>Jóvenes con Oportunidades</i> program.			
	11,000 women participate in Adult Education programs run by the <i>Instituto Nacional para la Educación de Adultos</i> (INEA).			

Second Phase Triggers and Indicators				
Indicators	Targets Achieved and Verification Sources			
New National Targeting Model reviewed and approved.	Achieved. Technical Committee approved changes in March 2002. (Regalia, F. "Modelo de Puntajes para la focalización del Programa de Desarrollo Humano <i>Oportunidades</i> ." Nota Técnica No.6 ⁹).			

http://opsws3.reg.iadb.org/idbdocswebservices/getDocument.aspx?DOCNUM=472416

D. Impact Evaluation and lessons learned from phase I.

- 1.11 The short-term urban impact evaluation and the medium-term rural impact evaluation were carried out by the *Instituto Nacional de Salud Pública* of Mexico. A team of international and national researchers collaborated in the production of specific studies cited in this document.
- 1.12 The results for the rural evaluation used the previous rural evaluation surveys (Encuesta de la Caracterización Socioeconómica de los Hogares (ENCASEH), 1997 and Rural Evaluation Surveys (ENCEL), 1997-1999), complemented with new information from the ENCEL-2003, carried out during Phase I. The ENCEL-2003 provided another round of information on the original evaluation treatment and control households that began receiving benefits in 1998 and 2000, respectively. The original program evaluation was based on a random experiment with households from 320 communities being assigned to receive benefits (initial "treatment group") and households from 186 being assigned to receive benefits approximately 18 months later (initial "control" or "delayed treatment" group). Given the incorporation of the original control group into the program, the ENCEL-2003 survey also was applied to a new comparison group, constructed through matching rural communities where the program was not yet available with communities of the original rural evaluation.
- 1.13 The urban evaluation was non-experimental, meaning that program participation was not randomly assigned. To participate in the program, households in urban areas had to approach program service locations and request eligibility verification. Thus, participating households represent a self-selected sub sample of the households eligible for the program, and may therefore differ from eligible households who did not participate in the program, either because they chose not to sign up, were unaware of the program, or live in areas where the program was

² http://opsws3.reg.iadb.org/idbdocswebservices/getDocument.aspx?DOCNUM=472418

³ http://opsws3.reg.iadb.org/idbdocswebservices/getDocument.aspx?DOCNUM=472419

⁴ Due to the incorporation of new beneficiaries at the beginning of 2001, the percentage was below its average tendency. The bimonthly information collected posterior to the incorporation was therefore chosen as the baseline measure.

⁵ ibid.

⁶ In the case of breast-feeding women, this indicator was only incorporated in the operational regulations in the middle of 2003. During the recertification in January/February 2004, the delivery of the supplements suffered a decrease that was quickly reverted.

⁷ This indicator was only incorporated in the operational regulations in the middle of 2003.

⁸ http://opsws3.reg.iadb.org/idbdocswebservices/getDocument.aspx?DOCNUM=472423

⁹ http://opsws3.reg.iadb.org/idbdocswebservices/getDocument.aspx?DOCNUM=472426

not available yet. In view of these potential differences, the impact evaluation used the method of matching to take into account preexisting differences between participating and nonparticipating households so that the effect of the program could be isolated. The method of matching compares outcomes of individuals or households that participate in the program to those of similar "matched" individuals or households that do not participate.

- 1.14 **Short-term Urban evaluation.** Tables I.3 through I.5 show the performance of phase I with respect to targeting efficiency, impacts on education, health, nutrition and food consumption indicators, for new beneficiary families in the urban areas. Results show that the program performed well in the urban areas, achieving results similar to those reported for rural areas by the International Food Policy Research Institute (IFPRI), and summarized in the loan proposal for phase I.
- 1.15 The performance of the National Targeting Model and the new operational procedures for incorporation of beneficiaries in the urban areas yielded targeting rates that were effective compared to those previously obtained in the rural area (rate of 16% for the rural areas). It is important to note that it was expected that the proxy means model would perform less effectively in the urban areas. That is, that its power of prediction would be less than in rural areas. However, the model not only performed well, but most of the "inclusion errors", beneficiaries above the poverty line, were families whose welfare was not much greater than those below the line. Of the 22% inclusion errors in the urban areas, 70% are quasi-poor families right above the poverty line.
- 1.16 Another measure of performance of targeting in the urban areas is the percentage of benefits that would reach beneficiaries under the current targeting scheme compared to a random assignment of program participation, or no targeting. For the urban areas, the percentage of benefits that reach the poor is 88% higher than with random assignment. This indicator also fares well compared to previous results for the rural areas, where the percentage of benefits that reached the poor were close to a 100% higher than with random assignments.

Table I.3
Phase I – Targeting Indicators

Rate of under coverage	23.8%	Cody, D., and Susan Parker. (2004) "An Evaluation of Targeting of the <i>Oportunidades</i>			
Leakage Rate	22.2%	Program in Urban Areas."			
Poverty head-count reduction (FGT0)	14%	IADB calculations based on urban evaluation			
Poverty Gap (FGT1)	26%	survey, ENCELURB 2002.			
Depth of Poverty (FGT2)	93%				

1.17 The impact on poverty reduction of the program in the urban areas is high and comparable to the previous rural evaluation. We calculated the Foster, Greer and Thorbeck poverty measures and found that taking the program's eligibility cut-off point and current coverage in the urban areas, the program significantly reduces

- not only the percentage of people under the line, but also improves the distribution of income among the poor.
- 1.18 Education performance indicators showed that the program performed well compared to the rural areas. The program had statistically significant impacts on the educational attainment levels of boys, ages 8-18, with the largest impacts observed in the 12-14 age range. Educational attainment increases by about 0.12 to 0.20 grades of additional schooling. For girls, the program significantly impacts educational attainment at ages 6-18, with the largest impacts also observed for ages 12-14. Estimates range from 0.08 to 0.15 grades of additional education.
- 1.19 The evaluation found some evidence of impact on enrollment rates for the 2002-2003 school year. These estimates may understate the impacts of the program, due to the fact that many families did not know in the fall of 2002, when they enrolled their children in school, whether they had qualified for the program. Enrollment rates are significantly higher for participating children (5.7 percentage points for girls and 9.6 percentage points for boys) at age 6, suggesting that the program encourages on-time enrollment⁵. In addition, the evidence shows the program led to a substantial decrease (9 percentage points) in the drop-out rate for older boys (ages 15-18).
- 1.20 The program also increased the amount of time that children/youth devote to studying, both for both girls and boys. Boys spend about one hour more time per week studying. Girls age 6-11 spend about 49 minutes more per week and girls age 15-18 spend about 1.5 hours more per week studying.
- 1.21 Indicators of child labor show that boys age 12 and older experience a significant decrease in the percentage currently working. For girls, the impacts on the percentage working are generally less pronounced. For 15-18 year old girls, the program reduces the percentage that works by around 5 percentage points.
- 1.22 Table I.4 shows that there is little scope for an effect of the program on enrollment rates at primary grades where they are already very high. The program considered whether decreasing or eliminating the subsidies at the lower grades and using the resources to increase the level of payments to higher-grade levels would lead to larger education effects on enrollment. However, changing the subsidy schedule in this way would have had distributional consequences, shifting resources towards families whose children have higher educational attainment levels, and thus are more likely to be less poor and closer to the poverty line.
- 1.23 Additionally, shifting payment schedules to potentially increase the impact on enrollments would diminish other important educational effects the program is having, even in the short-term in the urban areas. Table I.4 shows that the program has important age at entry and progression effects for both girls and boys in the first years of basic education. It is well known in the educational literature

⁵ Children from poor families tend to start school at older ages than the mandatory age.

that, among the poor, the first years of basic education have the greatest risks of drop-out and repetition.

Table I.4

Phase I – Short-term Urban Net Impact Indicators. Education by gender

Thase 1 - Short-term of ban ret impact indicators. Education by gender						
Indicators	Boys	Girls				
Proportion enrolled at age 6 ¹	Increase of 10% points	Increase of 6% points				
All enrollment ²						
Ages 7-11	None	None				
Ages 12-14	None	None				
Ages 15-18	Increase of 6% points	None				
Proportion progressing ²	•					
Ages 6-7	Increase of 7% points	Increase of 10% points				
Ages 8-11	Increase of 12% points	Increase of 13% points				
Ages 12-14	Increase of 14% points	Increase of 15% points				
Ages 15-18	Increase of 11% points	None				
Incidence of labor	-					
Ages 8-11	None	None				
Ages 12-14	Decrease of 5% points	None				
Ages 15-18	Decrease of 7% points	Decrease of 5% points				
Ages 19-21	Decrease of 24% points	None				

Sources: Results are from Todd, Gallardo-Garcia, Behrman and Parker, December 2004 (all estimates).

1 Estimators reported are difference in difference with nearest neighbor matching. Reported results are

significant at least at the 10% level.

- 1.24 Nutrition indicators for the urban areas show that total consumption increased significantly for program families. In particular, we note that total food consumption and consumption of protein rich foods, like meat increased in a higher proportion than total consumption. These results seem to point to the same pattern of effects on consumption observed for the rural areas; where families tend to increase their food consumption in the short term and increase their savings in the medium term. The evaluation reports no impact on stunting which is not surprising given its low prevalence in the urban areas.
- 1.25 Health indicators point to a clear increase in the utilization of ambulatory and preventive health services for children and adults, and a slight decrease in the utilization of curative services (hospitalizations). In particular, a 16% increase in the number of health check-ups during the last 6 months have been observed in children ages 0-5, reflecting that households are complying with the program coresponsibilities in relation to preventive consultation. The decrease of 8% and 6% in the number of hospitalizations in the last 12 months among children ages 6-15 and adults ages 16-49, respectively, may be early indications that the increase in preventive actions is having positive health impacts.
- 1.26 This tendency of a positive health impact after only one year of execution is further confirmed in the self-reported sick days and days incapacitated. In the first case, a 23.5% decrease in sick days is noted for children ages 6-15, whereas

² Progression is defined as having accumulated a grade during the year.

- in the latter, a decrease of 58.3% and 49.7% is found for children ages 6-17 and adults ages 18-50, respectively.
- 1.27 The program had a net positive impact on the prevalence of anemia, as a function of better diets based on consumption of protein rich foods. Although access to diabetes detection tests (glucose level tests) and health services more generally increased for ages 40+ by about 22%, this increased accessibility to early diagnostic services was not reflected in a higher prevalence of diabetes in the group incorporated in the program. This finding could be due to the program population being relatively healthy and requesting the test in a preventive manner, possibly as a result of the information that has been disseminated during the health talks (*pláticas*) or due to the increased access to basic health services.
- 1.28 Although the level of knowledge of modern Family Planning Methods (FPM) is high in urban areas, the program succeeded in having a positive effect (6% increase) on the proportion of women with knowledge of modern FPM. Use of FPM increased overall in the urban population but not significantly more in the beneficiary population. As for prenatal care, the program has had a significant positive effect on the quality of the attention, whereas initial bottlenecks in access to health posts may explain the half-month delay (0.53) in the month prenatal care was initiated.

Table I.5
Phase I – Short-term Urban Net Impact Indicators. Health and Nutrition

Short-term Urban Net Impacts						
Indicators	Total	Source				
Service Utilization		Gutiérrez, J.P., Bautista, S.,				
Number of health check-ups during last 6 months:		Gertler, P., Hernández, M. y S. Bertozzi, "Impacto de Oportunidades en el estado de				
Ages 0-5	16% increase	salud, morbilidad y utilización de				
Has attended health check-ups during last 12 months: Ages 18-49 50+ # of hospitalizations in the last 12 months:	19% increase 16% increase	servicios de salud de la población beneficiaria: resultados de corto plazo en zonas urbanas y de mediano plazo en zonas rurales." December 15, 2004.				
Ages 6-15 Ages 16-49	8% decrease 6% decrease					
Has been hospitalized during last 12 months: Ages 50-+	4% decrease					
Morbidity/ Diabetes		Hernández-Avila, M., Meneses-				
Glucose level greater than 126 for ages 40+	No significant effect on glucose level of incorporated diabetics after 1 year of incorporation	González, F., Téllez-Rojo, M., Manzano, A. Y R. López, "Evaluación de la calidad de la atención médica en población				
Access to detection and health	7.3 percentage points or 21.7%	diabética usuaria del Programa				

Short-term Urban Net Impacts					
Indicators	Total	Source			
services for ages 40+	increase in use of glucose level test ¹	Oportunidades. México, 2003." December 1, 2004.			
Anemia Prevalence of anemia Infants 6-23 months	54% decrease	Neufeld L., Sotres-Álvarez, García R., García P., Tolentino L., Fernald L. y Rivera J., "Evaluación del estado nutricional y adquisición de lenguaje en niños de localidades urbanas con y sin el programa <i>Oportunidades</i> ." December 2004.			
Health of adults		Gutiérrez, J.P., Bautista, S.,			
Number of sick days (last 30 days, self-reported) <6 6-15 16-49 50+ Number of days incapacitated	None 23.5% decrease ² None None	Gertler, P., Hernández, M. y S. Bertozzi, "Impacto de <i>Oportunidades</i> en el estado de salud, morbilidad y utilización de servicios de salud de la población beneficiaria: resultados de corto plazo en zonas urbanas y de mediano plazo en zonas rurales." December 2004.			
(last 30 days, self-reported)		December 2001.			
6-17 18-50 50+	58.3% decrease ³ 49.7% decrease ⁴ None				
Reproductive Health		Hernández Prado, B., Urquieta			
Family Planning Methods (FPM) Prenatal care (PC)	 2.96 percentage points increase (or 6% increase) in the proportion of women with knowledge of modern FPM. 0.53 months of 15.8% delay in the month prenatal care was initiated⁵. 	Salomón, J., Ramírez Villalobos, M. y J. Figueroa, 2004, "Impacto de <i>Oportunidades</i> en la salud reproductiva de la población beneficiaria." December 1, 2004.			
	8.32 percentage points or 32% increase in the proportion of births with adequate PC (Kessner index).				
	13.55 percentage points or 21.8% increase in the proportion of births with an adequate PC (index modified by <i>Oportunidades</i>).				
Risk Behavior		Bertozzi, S, Gutiérrez, J.P., Gertler,			
Ever smoked a cigarette (age 15-21)	4% decrease	P. y M. Hernández, 2004, "Impacto de <i>Oportunidades</i> en comportamientos de riesgo de los			
Occasional consumption of alcohol (age 15-21)	1.7% decrease	adolescentes y en sus consecuencias inmediatas:			
Unprotected sex (age 15-21)	None	resultados de corto plazo en zonas urbanas y de mediano plazo en zonas rurales." December, 2004.			

Short-term Urban Net Impacts						
Indicators	Total	Source				
Nutritional Status Stunting (Height for Age Z score < -2.00) 6-23 months Supplement Consumption	None 50% of beneficiary children consume Nutrisano at least once per week. The median consumption was 20 g/day, significantly less than the expected 44 g/d. 25% of lactating women consume Nutrivida.	Neufeld L., Sotres-Álvarez, García R., García P., Tolentino L., Fernald L. y Rivera J., "Evaluación del estado nutricional y adquisición de lenguaje en niños de localidades urbanas con y sin el programa <i>Oportunidades</i> ." December, 2004. Neufeld L., Sotres-Álvarez, Flores L., Tolentino L., Jiménez J. y Rivera J., "Consumo del suplemento alimenticio Nutrisano y Nutrivida de niños y mujeres beneficiarias de Oportunidades en zonas urbanas." December, 2004.				
Family Consumption Total Consumption Total Food Consumption Food Consumption of meat (proteins) Food Consumption of fruits and vegetables	Increase of 5.8% Increase of 7.5% Increase of 11% Increase of 7.9%	Angelucci, M., Orazio Atanasio, and Jonathan Shaw. "The effect of <i>Oportunidades</i> on the level and composition of consumption in urban areas." December, 2004.				

¹ IADB calculations using available information in source.

- 1.29 *Medium-term rural evaluation*. Tables I.6 through I.7 show the performance of phase I with respect to medium-term impacts on education, health, and nutrition indicators, for beneficiary families in the rural areas. Impact indicators show that the program results are lasting and that several medium-term effects are becoming manifest. In particular, it is worth mentioning those related to improvements in educational achievement, physical and behavioral development and nutritional status of children. Children from program families are performing substantially better than children in control communities. Furthermore, impact indicators show that the program is having positive effects on maternal health, with a significant decrease (11%) in maternal mortality in program incorporated communities as compared to non-incorporated ones, and an increase in the utilization and quality of prenatal and qualified delivery care, as well as of Family Planning Methods (17% increase).
- 1.30 In education, these impacts are reflected on increases in on-time promotion rates, completed years of schooling, and in some instances increases in performance on test scores. In the case of completed years of schooling, the observed effects are in the neighborhood of one full year of additional completed schooling for program participants after five years in the program. On-time promotion improvements

² ibid.

³ibid.

⁴ ibid.

⁵ ibid.

vary between 30 and 60 percent, particularly for those who were of a younger age in 1997. In both cases results vary by age and gender and overall tend to be stronger for boys. For test scores, boys who were 10 in 1997, saw increases in raw scores of between 7 and 10 percent, depending on the test subject. Girls of age 12 in 1997 show significant improvements in raw reading scores. In other age groups test results are generally not significant. However, it should be noted that a limitation of the test scores analysis is the lack of a baseline for achievement tests. Without a baseline to control for pre-program differences between treatment and control groups, it is possible that test results for other age and gender combinations would not be measured, particularly if the control group's education endowments before the program were better than those of the treatment group.

1.31 As for morbidity indicators, results show a high prevalence of obesity, hypertension and diabetes in the entire study population. However, participation in *Oportunidades* resulted in reduced prevalence of obesity, hypertension and hypertension symptoms.

Table I.6
Phase I – Medium-term (1997 – 2003) Net Impacts Rural Indicators. Education by gender

Indicators	Boys	Girls
Grades of schooling completed ¹		
Children's age in 1997		
	(0.05 1.)	(0.06 1.)
9	Increase (0.95 grades)	Increase (0.96 grades)
10	Increase (1.14 grades)	Increase (0.93 grades)
11	Increase (1.31 grades)	Increase (0.87 grades)
12	Increase (1.11 grades)	Increase (0.74 grades)
13	Increase (0.87 grades)	None
Proportion of students progressing on time ²		
Children's age in 1997		
9	Increase of 37.7%	Increase of 38.8%
10	Increase of 51.5%	Increase of 30.4%
11	Increase of 63.6%	None
12	Increase of 52.3%	None
13	None	None

Sources: Behrman, Parker and Todd, 2004 (all estimates).

¹ A 1 grade increase means that beneficiary children accumulated one extra grade compared to children's belonging to the control group.

² On time progression is defined as completion of five grades during the 1997-2003 period.

Table I.7
Phase I – Medium-term Rural Net Impact Indicators. Health and Nutrition

Phase I – Medium-term Rural Net Impact Indicators. Health and Nutrition					
Indicators	Total	Source			
Service Utilization Number of health check-ups in the last 6 months: 0-5	12% increase	Gutiérrez, J.P., Bautista, S., Gertler, P., Hernández, M. y S. Bertozzi, "Impacto de <i>Oportunidades</i> en el estado de			
Has attended health check-ups in last 12 months:	12% increase	salud, morbilidad y utilización de servicios de salud de la población beneficiaria: resultados de corto plazo en zonas urbanas y de			
50+	18% increase	mediano plazo en zonas rurales." December, 2004.			
% Weighed during last visit Ages 0-5	1.7% increase				
# of hospitalizations in the last 3 years: Ages 6-15	None 9% decrease ¹				
Ages 16-49 Has been hospitalized during last 3 years	9% decrease				
Ages 50+	2% decrease				
Mortality		Hernández, B., Ramírez, D.,			
Maternal Mortality	11 % lower in incorporated Municipalities ² (average of 79 maternal deaths avoided).	Moreno, H. y N. Laird, "Evaluación del Impacto de Oportunidades en la Mortalidad Materna e Infantil." March, 2004.			
	15% lower if looking at Municipalities that have between 4% and 35% of population incorporated.				
Infant Mortality	2 % decrease in incorporated Municipalities.				
	6% decrease if looking at Municipalities with more than 35% of the population participating.				
Morbidity		Fernald, L., Gertler, P. and G.			
Overweight and obesity Ages 21-70	6.4 percentage points reduction in prevalence (from 24 to 17.6% of the population) or a 26.7% reduction in prevalence.	Olaiz, "The Medium Term Impact of <i>Oportunidades</i> on Obesity and Chronic Disease in Rural Areas." March, 2004.			
Hypertension Ages 21-70	7.2 percentage points reduction in prevalence (from 39 to 31.8 % of the population) or an 18.5% reduction in prevalence.				
	Decrease of 0.222 in the number of symptoms related to				

Indicators	Total	Source
	hypertension ³ (from 1.68 to 1.46) or a 13% reduction in prevalence.	
Diabetes (defined as glucose level greater than 126)		
Ages 21-70	Decrease of 0.131 in the number of symptoms related to diabetes ⁴ (from 1.2 to 1.07) or a 10.9% reduction in prevalence.	
Anemia		Gertler P. and Fernald L. "The
Mean hemoglobin values Ages 3-6	Females: 2.6% decrease Males: None	Medium Term Impact of Oportunidades in Child Development in Rural Areas." Mimeo, October, 2004.
Prevalence of anemia Ages 3-6	Females: 26.1 % decrease Males: None	
Health of children, adolescents		Gutiérrez, J.P., Bautista, S.,
and adults Number of sick days (last 30 days)		Gertler, P., Hernández, M. y S. Bertozzi, "Impacto de <i>Oportunidades</i> en el estado de salud, morbilidad, y utilización de
<6 6-15	20.4% decrease ⁵	servicios de salud de la población beneficiaria: resultados de corto
16-49 50+	21.2 % decrease ⁶ None	plazo en zonas urbanas y de mediano plazo en zonas rurales." December, 2004.
Number of days incapacitated	22.10/ 1	
6-15 16-49	33.1% decrease ⁷ 13.6% decrease ⁸	
50+	None	
Cognitive development:		Gertler, P. and L. Fernald, "The
Woodcock-Johnson tests (3-6 years old) ⁹	Girls: None	Medium Term Impact of Oportunidades on Child
Peabody Picture Vocabulary Test Language (3-6 years old)	Boys: score about 5 % better across all tests ¹¹	Development in Rural Areas." November, 2004.
Mac Arthur Communicative Development Inventories (2 years old) ¹⁰		
Physical Development		
McCarthy Scales of Children's Abilities (3-6 years old) ⁸	Girls: 10% increase Boys: 15% increase	
Behavioral development		
Achenbach Child Behavior Checklist (3-6 years old)	Girls: 9% decrease in socio- emotional problems	

Indicators	Total	Source		
Reproductive Health Family Planning Method (FPM)	14% increase in knowledge of FPM (or almost one method (75) of 8 possible ones). 17.23% increase in use of modern FPM	Prado, B., Urquieta Salomón, J., Ramírez Villalobos, M. y J. Figueroa, "Impacto de Oportunidades en la salud reproductiva de la población beneficiaria." December, 2004.		
Prenatal Care (PC)	6.74% increase in proportion of pregnancies with prenatal care. Prenatal care initiated approximately 14 days earlier in the pregnancy.			
	11.86% increase in number of PC visits. 61% increase in proportion of			
	births with satisfactory PC index (Kessner).			
	Approximately 20% increase in number of procedures received (Mexican Norms for PC).			
Qualified Delivery Care (QDC)	20% increase in the proportion of women who received QDC.			
Risk Behavior Ever smoked a cigarette (age 15-21)	15.4% decrease.	Bertozzi, S, Gutiérrez, J.P., Gertler, P. y M. Hernández, "Efecto de <i>Oportunidades</i> en la prevalencia de comportamientos de riesgo en la adolescencia." December, 2004.		
Occasional consumption of alcohol (age 15-21)	11.4% decrease.			
Unprotected sex (age 15-21)	None.			

Indicators	Total	Source
Nutritional Status Stunting (Height for Age Z score < -2.00) 2-6 months	Females 39.3% decrease Males 19.4% decrease	Gertler P. and Fernald L. "Medium Term Impact of Oportunidades on Child Development in Rural Areas." October, 2004.

¹IADB calculation using available information in source.

- 1.32 These results tell a coherent story that *Oportunidades* is having substantial and positive impacts on education, nutrition and health indicators of beneficiary families. These results are sustained and increased with greater exposure to the program. Thus, we conclude that the program has successfully achieved the goals set out for the first phase: (i) expanding coverage to the urban areas; (ii) ensuring the relatively same level of benefits to urban beneficiaries as those achieved for rural families; and (iii) sustaining and increasing program benefits for rural families already in the program.
- 1.33 The Bank has played a key role in last years in the program's design and evaluation. In particular, the Bank provided technical expertise in the following areas: (i) incorporation of beneficiaries in the urban areas, building on Chile's *Ficha CAS*, and Colombia's *SISBEN* model; (ii) designing a quasi-experimental evaluation design, which allowed the government to maintain control groups; (iii) peer reviewing each evaluation document in the areas of targeting, education, health, nutrition, and consumption, among others; (iv) maintain the original design of the program by analyzing the justification for each proposed change; and (v) strengthening the operational audit of the program by shifting the representativeness of the audit's sample from the national to the state level, among others.

² i.e. with at least one incorporated locality.

³ E.g. headaches, dizziness, or buzzing in the ears.

⁴ E.g. thirstiness, hunger, loss of weight or blurred vision.

⁵ IADB calculation using available information in source.

⁶ ibid.

⁷ ibid.

⁸ ibid.

⁹ Test of long-term and short-term memory and visual integration.

¹⁰ Improvement in language development.

¹¹All effects are positive but sample sizes too small to determine significance.

II. PHASE II

A. Objectives and description

- 2.1 The purpose of the program is to increase human capital accumulation among extremely poor families, by improving their access to education, health and nutrition.
- 2.2 The specific objectives of the second phase are: (i) to sustain and increase the demand for education, health and nutrition in order to ensure medium and long term impacts; (ii) to strengthen the program's design, in the areas of educational health talks and community participation; (iii) to increase the operational efficiency of the program; and (iv) to continue the external impact evaluation of the program.

B. Proposed changes to the program

2.3 The second phase will have the same components as the first phase with the following changes in activities:

a) Targeting of beneficiaries, operational audits and monitoring indicators

- 2.4 Geographic targeting of localities will follow operational processes developed during phase I. Households will qualify under the National Targeting Model, which will be reviewed periodically to ensure the continued relevance of proxy means variables. The program will require the written non-objection of the Bank of any updates to the methodology of the National Targeting Model.
- 2.5 The program will continue to use as its source of information for targeting the household surveys relevant for each process, ENCASEH and ENCASURB for new families, and ENCRECEH for the recertification of old families according to the schedule set out in the Rules of Operations of the program.

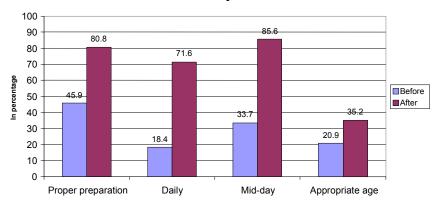
b) Health and nutrition

One of the most important lessons from phase I relates to the composition of the micronutrient supplements provided to infants and pregnant and lactating mothers. Impact evaluation studies found a significant reduction in the prevalence of anemia, even though the consumption of the supplements by pregnant and breast-feeding mothers and children under 2, was quite low. These studies found that, even if consumption had been higher, absorption of the type of iron included in the supplements is extremely low. Thus, the impact obtained on anemia is a result of better diets and not necessarily a result of supplement consumption. These studies have concluded that the impact on anemia could have been twice as large had the supplements contained ferrous sulfate or gluconate sulfate instead of reduced iron and families consume them on the appropriate schedule. The

composition of the supplements, will therefore, be changed to a higher absorption iron. After July 2005, Bank financing of the supplement will be condition to the Bank receiving notification of this change.

2.7 The low consumption of the supplements is worrisome because it leaves children under two years at a high risk of anemia, since they will not readily benefit from better diets. This finding questions the impact of the education talks or pláticas, to effect change in behavior from families, as well as the consumption of the supplement at the household level. While the *pláticas* have evolved substantially during the first phase, in particular for indigenous populations, there is still a great need for improvement. Before phase I, pláticas, were carried out in Spanish, today materials are tailored to indigenous languages. However, the reality for many communities is still that few pláticas are carried out fully in the community's language. Oportunidades needs to rapidly move to train more local "promotoras" that speak in the respective languages, in order to increase the impact of the education topics by beneficiaries. Changes in the education *pláticas* were piloted in 2004, in the indigenous Tsotsil communities in the states of Chiapas and Veracruz. The following graph shows large and significant results for communities in Chiapas. Results for both states were similar in magnitude.

Graphic II.1 Consumption of supplement Chiapas



During the second phase the program will revise its health education component to increase its effectiveness. Evaluations have found that education talks become repetitive and are more informational than when geared towards behavioral modifications by participating families. In order to achieve greater behavioral modifications and larger health and nutrition impacts, *Oportunidades* will revise the three education approaches⁶ and develop and evaluate a community participation based model to improve health and nutrition practices through the program's local community committees, composed of the programs "vocales" (elected representatives of a group of beneficiaries).

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⁶ These are made up of the IMSS-*Oportunidades* model, the INEA model and the traditional model.

c) Education

2.9 The grade levels and level of the subsidies will remain at the current schedule, from third grade of primary school to the last year of high school. Revisions to said schedule will be based on diagnostic studies that consider not only the relative impacts that the proposed changes may have, but also its distributional consequences.

d) Operational efficiency

- 2.10 In the second phase, the program will need to shift the focus of its operational process from coverage expansion to those related to the maintenance of the roster. Targeting and incorporation processes have, up to now, required a vast amount of time and attention from program operators. In this new phase, as the program reaches full coverage, these processes will be dramatically reduced, even though some new incorporations will still take place. It is estimated that about 300,000 families drop-out of the program annually, either because they do not comply with conditionality, they choose not to participate, operational problems, or because their welfare has improved and they are no longer eligible for program financing. This requires that the program incorporate new poor families in order to maintain the roster of beneficiaries close to full coverage.
- 2.11 In this context, the *Oportunidades* program has outlined an ambitious reengineering process to move the organizational structure from its emphasis on targeting and incorporation to client service and orientation. This is specifically applicable to the areas of conditionality certification and monitoring of operational indicators. Today, the program has one office at, each state, each one in charge of dealing with hundreds of thousands of families. In the new scheme, the program plans to streamline its process and human resources in order to open up local offices that would match health districts in each given state. There will be approximately 140 new local offices of the program. It is expected that after two years of execution of the second phase most offices would be operational and online with the program's monitoring systems. During the first two years of execution, *Oportunidades* will carry out a study on its human resource structure including the need of additional positions in order to ensure its operational efficiency.

e) Evaluation

2.12 In the upcoming years, several aspects of the program need to be evaluated. First, Mexico is a country undergoing an epidemiologic transition, and the prevalence of obesity, hypertension and diabetes are quite high. Evaluation studies need to address the potential effect of the caloric intake provided through the supplements and consider removing this portion from the supplements, in particular for the urban areas. Second, the program needs to evaluate whether its strategy of revamping the educational health talks, *pláticas*, will succeed in eliciting

- behavioral change in beneficiary families, comparing it to the baseline situation, and to the other two models currently in the field (Preven- IMSS-rural and INEA).
- 2.13 The second phase will finance evaluation costs related to the following areas, among others: (i) a follow-up round of surveys for the rural panel; (ii) a follow-up round of surveys for the urban panel; (iii) analysis of the patterns of migration of the beneficiary population; (iv) a randomized trials evaluation of micronutrient and caloric supplementation of beneficiaries; (v) analysis of improvements in welfare in beneficiary families overtime and graduation schemes (EDA); and (vi) an impact evaluation of the health component comparing the IMSS-Oportunidades model, the State Health Secretariats model and INEA education model.

f) Monitoring

- 2.14 In the second phase the program will review the stock of monitoring indicators of the SIIOP to ensure their continued relevance. It is also expected that local offices will be able to access SIIOP information of their beneficiary families in real time so as to enable immediate remedial steps where necessary. The program has already implemented such a system to monitor dropouts. In addition, sentinel points will include information related to the indicators of nutrition described below.
- 2.15 During the first year of execution, the executing agency will develop a model for the continuous operational improvements, that will allow measuring several operational aspects, such as: (i) timeliness, security and physical conditions in relation to payments; (ii) corrections of operational errors and response time to requests; and (iii) information and orientation services to the beneficiaries of the program.
- 2.16 The following analysis will guide the evaluation of phase II of the Bank's program:

Table II.1 Results Framework for Phase II

Areas

Targeting

• Analysis of the performance of the National Targeting Model.

Nutrition

- Supplement iron composition changed.
- Recommendation about the supplement's caloric composition for urban areas.
- Randomized trials evaluation on micronutrient and caloric supplementation of beneficiaries.
- Number of health posts with *Oportunidades* new community-based model implemented by state and municipality.
- Number of health posts that carry out *pláticas* in indigenous languages/total number of health posts in indigenous communities.

Client Orientation

• Proposal for a model of continuous improvements of program operations that includes indicators for measuring timeliness, physical conditions of payment points, corrections of operational errors, among other aspects.

Program Graduation

• Analysis of welfare improvement in beneficiary families that are included in the EDA scheme.

C. Cost and financing

2.17 The second phase of the program has a total cost of US\$2.850 billions, with a total of 1.2 billion of Bank financing.

Table 11.2
Costs (in millions of US\$)

Costs (in initions of US\$)				
Components	IADB	Local Counterpart	Total	
1. Human Capital Accumulation	<u>1,184</u>	1,636	2,820	
1.i. Operational Processes Support		<u>127</u>	<u>127</u>	
1.i.a. Client services and operations		26	26	
1.i.b. Subsidies Distribution		101	101	
1.ii. Education	<u>696</u>	799	1,495	
1.ii.a. Scholarships	544	799	1,343	
1.ii.b. School supplies	152		152	
1.iii. Health and Nutrition	<u>488</u>	<u>710</u>	<u>1,198</u>	
1.iii.a. Nutritional Supplements		171	171	
1.iii.b. Nutrition Subsidies	488	539	1,027	
2. Evaluations and Design Adjustments	<u>16</u>		<u>16</u>	
2.i. Impact and Operational Evaluation	16		16	
Subtotal	1,200	1,636	2,836	
3. Financial Costs	<u>0</u>	<u>14</u>	<u>14</u>	
3i. Credit Commission		11	11	
3ii. Audits		3	3	
3iii. FIV	0		0	
TOTAL	1,200	1,650	2,850	
% financing	42%	58%	100%	

2.18 This operation qualifies as a social equity-enhancing project, as described in the indicative targets mandated by the Bank's Eighth Replenishment (document AB-1704). Furthermore, this operation qualifies as poverty targeted investment (PTI) given that it is a geographic and household targeted program. The borrowing country will not be using the 10 percentage points in additional financing.

III. PROGRAM EXECUTION

A. The borrower and executing agency

3.1 The borrower will be the United States of Mexico. The executing agency of the program will be the Secretariat of Social Development (Secretaria de Desarrollo Social, SEDESOL), through its deconcentrated entity the Program for Human Development Oportunidades. Nacional Financiera, SNC (NAFIN) will act as managing agent for the program.

B. Program execution, administration and operating rules

- 3.2 The program execution and administration remains as described in the program proposal (PR-2650). The proposed structure has proven to be a highly effective execution scheme.
- 3.3 The program will be governed by the operating rules of the Oportunidades program, which will be published in the Official Gazette and updated annually. National legislation requires the annual approval and publication of operating rules for all programs funded by the federal government. These operating rules specific guidelines for complying with technical, environmental, and internal control requirements criteria. The operating rules of Oportunidades are approved annually by the Technical Council of the program. This Council is composed by representatives of SEDESOL, Secretariat of Finance, (SHCP), Secretariat of Public Education (SEP), Secretariat of Public Health (SSA), and the IMSS. Oportunidades annually prepares a proposal for changes to the rules for submission to the Council. Prior to submission to the technical Council, Oportunidades will need to obtain the Bank's written nonobjection. Prior to the first disbursement of the financing, the Executing agency will present evidence of the approval and entry into force of the Rules of Operations for 2005.

C. Procurement

3.4 The program does not include civil works, goods or related services. Consulting services will be procured in accordance with the "Policies for selection and contracting of consultants financed by the IDB", (GN-2350-4 (hereinafter the Consultant Policies)). Unless otherwise provided, services of consulting firms shall be procured under contracts awarded under the quality-based selection method. The short list for consultant services estimated to cost less than US\$500,000 equivalent per contract may comprise entirely national consultants. The services of the *Centro de Investigación y Estudios Superiores en Antropología Social* (CIESAS) for the qualitative evaluation of the program may be hired on a sole source basis⁷. Individual consultants shall be selected through comparison of qualifications as provided in the Consultant Policies. Individual

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⁷ See paragraph 3.9 to 3.11 of the Consultant Polices

- consultants may be selected on a sole-source basis with due justification in exceptional cases such as the case of consultants been rehired for the impact evaluation of the program⁸ or with the prior written approval of the Bank⁹.
- 3.5 Prior to the issuance of any RFP or the hiring of any consulting services, the Borrower shall provide the Bank for approval and review a plan for the selection of consultants that shall cover an 18-month period and that shall include contract cost estimates, contract packaging and applicable selection criteria and procedures. An update of such plan covering an 18-month period shall be presented to the Bank annually for review and approval and all selection of consultants' services shall be undertaken in accordance with the latest update of the selection plan as approved by the Bank. Each contract for the hiring of consulting firms with an estimated cost of US\$200,000 equivalent or more and each contract for individual consultants hired pursuant to the provisions of paragraph 5.4(b) or (d), shall be subject to the prior review of the Bank as provided in Appendix 1 of the Consultant Policies. All other contracts for the hiring of consultants' services shall be subject to the ex-post review of the Bank as provided in Appendix 1 of the Consultant Policies. Consulting services for the evaluation may be hired by the Executing Agency or the *Instituto Nacional de* Salud Pública (INSP). For the latter, the INSP and the Executing agency shall enter into a inter-institutional agreement for the transfer of resources that shall also include provisions to guarantee that the INSP will apply the Consultant Policies and procurement procedures agreed upon in the Loan Contract, and will maintain adequate records and accounting of expenditures.

D. Execution, retroactive financing and disbursement schedule

- 3.6 The Bank supervision of disbursements for payments of scholarships, school supplies and nutrition subsidies will be carried out in an ex post modality, pursuant to the methodology used during phase I, which consists in a stratified random sample of expenditures, representative at the state and municipality's level. The average monthly exchange rate will be applied to calculate the dollar equivalent of expenditures.
- 3.7 The Borrower has requested that up to the equivalent of US\$31,200,000 of the resources of the financing be used to reimburse expenditures incurred after November 1, 2004 by the program for payments of education, nutrition and school supplies subsidies for the beneficiaries of the project. The Borrower has also requested that up to the equivalent of US\$34,200,000 incurred after the same date in project expenditures for the payment of education and nutrition supplements for the beneficiaries of the Project and for the subsidies' distribution fees be recognized by the Bank as part of the local contribution. Such anticipated financing and reimbursement of expenses shall be subject to the fulfillment of requirements substantially similar to those set forth in the Loan Contract.

⁹ See paragraph 5.4 (b) and (d) of the Consultant Policies.

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⁸ See paragraph 5.4 (a) of the Consultant Policies.

3.8 The loan disbursement period will be 48 months. Cash transfers financing will be on a decreasing basis in accordance to the following schedule for each cohort of eligible families: 100% the first year of incorporation or recertification, 90% in the second year, 80% the third year, and 70% the forth year of incorporation. Eligible families are those new beneficiaries that qualified under the National Targeting Model in any given year and families that under the recertification process continue to receive full benefits from the program given their poverty classification

Table III.1
Disbursement projections (millions of US\$)

biscursement projections (minions or esco)					
	2005	2006	2007	2008	Total
IADB	129.4	213.1	395.6	461.9	1200.0
Local	174.8	301.1	547.6	626.5	1650.0
Total	<u>304.2</u>	<u>514.2</u>	<u>943.2</u>	<u>1088.4</u>	<u>2850.0</u>

Table III.2
Flows of estimated eligible families

% of financing	Year 1	Year 2	Year 3	Year 4
100%	1,227,000	1,360,000	393,000	
90%		1,227,000	1,360,000	393,000
80%			1,227,000	1,360,000
70%				1,227,000
Total	1,227,000	2,587,000	2,980,000	2,980,000

E. External auditing of the program

3.9 The executor will prepare and submit to the Bank, within 120 days after the closing of each fiscal year and within 120 days after the date of the last disbursement of the financing, the audited financial statements of the program, elaborated in accordance with procedures acceptable to the Bank. The contract will include the corresponding clause. Expenditures related to these services will be charged to counterpart financing.

F. Monitoring and evaluation

3.10 The executor will present semi-annual reports that include information on the following aspects: (i) execution of each component; (ii) achievement of the objectives and results for each component; (iii) the number of beneficiary families that qualified to continue receiving full benefits under the program, as a result of a recertification process; and (iv) an annex with operational information, from both the SIIOP and the Sentinel Points operational evaluation (*Puntos Centinelas*). In addition, the second semester report for each calendar year shall include the following: (i) annual operation plan for the upcoming year; (ii) a plan for the selection of consultants or its update; and (iii) information related to corrective actions to the beneficiary roster. The Bank's Country Office in Mexico, with technical support form the project team, will be responsible for supervising the program's performance. The team will carry out technical supervision mission every six months to ensure progress in the program's activities and evaluation.

3.11 The Borrower and the Bank will meet annually during the first semester of each year to analyze progress in execution, based on the information reported in the semi-annual reports. The first meeting will take place after the loan is eligible for disbursements. The initial report will contain the annual plan of execution for the first year. The Borrower will present to the Bank a mid-term evaluation related to progress made in proposed reengineering of the program described in par. 2.11.