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RESTRUCTURING PAPER

ON A

PROPOSED PROJECT RESTRUCTURING  
OF THE  
HEALTH SECTOR REFORM PROJECT - PHASE II (APL2)

LOAN NO. 4760-RO  
January 28, 2005

TO

ROMANIA

December 12, 2011

## ABBREVIATIONS AND ACRONYMS

|      |                            |
|------|----------------------------|
| DPL  | Development Policy Loan    |
| EIB  | European Investment Bank   |
| ER   | Emergency Room             |
| EUR  | Euro                       |
| ICU  | Intensive Care Units       |
| GoR  | Government of Romania      |
| MOH  | Ministry of Health         |
| MOPF | Ministry of Public Finance |
| TA   | Technical Assistance       |
| WB   | World Bank                 |

|                          |                     |
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**ROMANIA  
HEALTH SECTOR REFORM PROJECT – APL 2**

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## **HEALTH SECTOR REFORM PROJECT – (APL 2)**

**P078971**

**LOAN NO. 4760-RO**

### **RESTRUCTURING PAPER**

## **SUMMARY**

This Restructuring Paper seeks approval to: (i) extend the current Closing Date by 12 months from December 15, 2011, to December 15, 2012; (ii) introduce new technical assistance activities to support the ongoing sector reforms; (iii) introduce a minor reallocation of loan proceeds among categories of expenditures; and (iv) revise and fine-tune the Results Framework.

This will be the third extension of the Closing Date, which will result in a cumulative extension of three years from the original Closing Date (December 31, 2009). The proposed restructuring will help complete ongoing activities, for the attainment of the overall APL Program Development Objectives<sup>1</sup>, and will implement new technical assistance (TA) activities to assist the Ministry of Health in the implementation of the National Strategy for Hospital and Sanitary System Rationalization, and for the preparation of the future reforms in the health sector.

These modifications were requested by the Government of Romania (GoR) through a letter to the Bank dated October 27, 2011.

## **PROJECT STATUS**

The Health APL 2, financed with a loan in the amount of EUR 65.1 million, has five components: (1) Maternity and Neonatal Care (EUR 17.21 million); (2) Emergency Care Services (EUR 35.33 million); (3) Primary Health Care and Rural Medical Services (EUR 0.25 million); (4) National Health Accounts and Planning (EUR 0.41 million); and (5) Project Management (EUR 2.38 million). The European Investment Bank (EIB) is co-financing the Project with a loan of EUR66.49 million, mainly covering the works for the physical rehabilitation of the maternity wards. According to the agreement with the EIB, the World Bank bears the fiduciary responsibilities (procurement) for both projects, while the EIB is responsible for the clearance of technical/architectural designs.

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<sup>1</sup> APL Program refers to the Health Sector Reform Project – Phase I financed through the Loan Agreement no. 4568-RO dated July 7, 2000 (closed on June 30, 2004) and Health Sector Reform Project - Phase II financed through the Loan Agreement no. 4760-RO dated January 28, 2005.

The Project was approved on December 16, 2004 and became effective on June 27, 2005. The Project was restructured in November 2008, and a first closing date extension of 12 months was granted in 2009, from December 31, 2009 to December 31, 2010. This was followed by a second extension up to December 15, 2011.

The overall project performance is rated **Satisfactory**. There are no outstanding audits. Disbursements (in EURO terms) have reached 85.5 percent of the loan amount with an additional 5.7 percent committed (contracts signed), bringing the total of disbursement and commitment to 92 percent of the loan amount. The activities remaining to be implemented (ongoing contracts and new TA) until the new closing date will absorb the remaining balance of the loan.

All TA activities initially included in the Project, for neo-natal care (quality assurance, referral system, training of medical staff) and for the development of the National Health Accounts have been completed, and most of the medical equipment has been delivered to the beneficiary hospitals (maternity wards and emergency centers). The Borrower has allocated the appropriate budgetary resources for 2012, in order to cover the financing of all the remaining activities.

The Bank has acknowledged the request from the Ministry of Public Finance (MoPF) to extend the closing date of the Project and informed the Borrower on November 22, 2011 about the possibility of granting an extension of 12 months under certain conditions, which form the basis for this Restructuring.

## **PROPOSED CHANGES**

**Results Indicators.** Although the Project Development Objective remains unchanged, an adjustment of the target values for some of the project monitoring indicators from the Results Framework is considered necessary in order to improve their measurability and relevance to project specific investments. Annex 1 presents the revised Results Framework and Monitoring for the Project. More specifically:

- **For the indicator “24-hour death rate for patients treated in the Emergency Rooms (ERs)”, the goal will be revised from 20 percent decrease to 15 percent decrease.** The patients treated initially in Emergency Departments (ED) and then transferred to Intensive Care Units (ICU) are critically ill patients whose vital signs are unstable or whose diseases may cause irreversible complications. Also, international clinical studies on corticosteroids in patients with cranial traumas were aimed at decreasing the death rate only

by 2 percent. Therefore, the target of a 20 percent decrease in the baseline death rate for this group of patients was unrealistic.

- **Change the frequency on collecting data, from “monthly” to “every 6 months” for the following indicators:** (i) “24-hour death rate among patients treated in the Emergency Rooms, then admitted to Intensive Care Units”, (ii) “Death rate in ER”, (iii) “Fatality rate for patients treated in small ERs” and (iv) “Decreased fatality rate after 24 hours from admission of patients treated in hospital ICUs”. These indicators will not exhibit measurable changes when measured on a month to month basis.
- Removal of the reference related to the number of emergency units/rooms for the indicator “Fatality rate for patients treated in small ERs”. The removal is justified by the ongoing implementation of the National Strategy for Hospital and Sanitary System Rationalization, which calls for the reduction/merger of some hospitals.
- **Revision of the baseline value** for the intermediate indicator “Decreased fatality rate after 24 hours from admission of patients treated in hospital ICUs” to reflect the year 2007, which is the year before the project intervention in the emergency units.
- **Inclusion of two IBRD Core Indicators:** (i) Health personnel receiving training-number; and (ii) Maternity and neo-natal facilities and emergency facilities constructed, renovated and/or equipped-number.

**Project Components.** New technical assistance activities are introduced in **Component 5: Project Management**. The Project would finance these technical assistance activities (estimated at EUR2.2 million) to assist the Ministry of Health in: the implementation of the National Strategy for Hospital and Sanitary System Rationalization, and for the preparation of the future reforms in the health sector.

**Reallocation of Loan Proceeds.** The proposed reallocations of the loan proceeds among categories of expenditures are minor. The reallocation is justified by the variation of contract prices for some goods and services during contracts execution. The proposed reallocation of loan proceeds (in EUR currency) is presented in Annex 2.

**Project Closing Date.** This third extension of the Project from December 15, 2011 to December 15, 2012 is recommended to: (i) implement the new technical assistance (TA)

activities to support the health sector reform program; (ii) finalize the upgrade of the vaccine production facility at Cantacuzino Institute; and (iii) complete ongoing contracts, including final deliveries of medical equipment, and consulting services for the public awareness campaign, definition of basic package of health services, and the development of strategy for the delivery of primary health care in underserved areas. This extension of the closing is subject to the Regional Vice President clearance as per para 7 of BP13.30 as it goes beyond the cumulative two year extension from the original closing date.

The requirements of **OP/BP 13.30** have been met, namely, (i) the project objectives are achievable; (ii) the performance of the Borrower and other project implementing agencies is satisfactory; and (iii) the Borrower has prepared a specific Action Plan acceptable to the Bank for completion of the project within the proposed requested extended timeframe, i.e. December 15, 2012.

## ANNEX 1

### Revised Results Framework and Monitoring ROMANIA: HEALTH SECTOR REFORM PROJECT (APL 2)

**Project Development Objective (PDO):** The objectives of the overall APL Program are as follows: (a) improve efficiency and equity in the planning and regulation of the health service delivery system; (b) reduce preventable deaths among emergency medical cases; (c) improve access and quality health care in poor and remote areas; and (d) help the Romanian health sector to better focus on priority public health problems, thereby reducing preventable illness and deaths. The specific objectives of Phase 2 are as follows: (i) Provide more accessible services, of increased quality and with improved health outcomes for those requiring maternity and newborn care and emergency medical care; and (ii) Provide support for the preparation of the primary health care strategy.

**Revised Project Development Objective:** not applicable

| Key Performance Indicators                | Core | D=Droppe<br>d<br>C=Continu<br>e<br>N= New<br>R=Revised | Unit of Measure     | Baseline (2004)            | Cumulative Target Values** |                            |                           |   | Frequency                        | Data Source/ Methodology                       | Responsibili<br>ty for Data Collection |
|---|------|--|---------------------|----------------------------|----------------------------|----------------------------|---------------------------|---|----------------------------------|--|--|
|   |      |  |                     |                            | YR 2009                    | YR 2010                    | YR 2011 (first 6 months)  | End of Project (2012)                                 |                                  |  |  |
| <b>PDO Level Results Indicators*</b>      |      |  |                     |                            |                            |                            |                           |   |                                  |  |  |
| 1. Maternal Mortality (MM) and Rate (MMR) |      | C  | Number and rate/000 | MM: 52<br>MMR: 0.24‰       | MM: 31<br>MMR: 0.14‰       | MM: 33<br>MMR:0.15‰        | MM: 18<br>MMR: 0.19‰      | <u>20% decrease</u><br>MM: 41<br>MMR: 0.19/1000       | Annual National Statistics (ANS) | National Reporting System (NRS), hospital data | PMU & hospitals                        |
| 2. Neonatal Deaths and Rate               |      | C  | Number and rate/000 | Deaths: 2068<br>Rate: 9.6‰ | Deaths: 1270<br>Rate: 5.7‰ | Deaths: 1160<br>Rate: 5.5‰ | Deaths: 546<br>Rate: 5.9‰ | <u>25% decrease</u><br>Deaths: 1551<br>Rate: 7.2/1000 | ANS                              | NRS, hospital data                             | PMU & hospitals                        |
| 3. Post-Neonatal Deaths and Rate          |      | C  | Number and rate/000 | Deaths: 1573<br>Rate: 7.3‰ | Deaths: 980<br>Rate: 4.1‰  | Deaths: 918<br>Rate: 4.3‰  | Deaths: 408<br>Rate: 4.4‰ | <u>25% decrease</u><br>Deaths: 1180<br>Rate: 5.5/1000 | ANS                              | NRS  | PMU                                    |



| Key Performance Indicators  | Core | D=Drop<br>C=Continue<br>N= New<br>R=Revised | Unit of Measure | Baseline (2004)  | Cumulative Target Values**                         |   |   |   | Frequency                              | Data Source/ Methodology       | Responsibility for Data Collection |
|---|------|---|-----------------|--|--|---|---|---|--|--------------------------------|------------------------------------|
|   |      |   |                 |  | YR 2009  | YR 2010   | YR 2011 (first 6 months)  | End of Project (2012)   |  |                                |                                    |
| 4. 24-hour death rate among patients treated in the ER, then admitted to ICU. |      | R target and frequency                      | %               | 5.78%<br>(for 6 ICUs)<br><b>Baseline 2007</b>  | 3.67%<br>(for 6 ICUs)                              | 6.11%<br>(for 6 ICUs)                                 | 4.81%<br>(for 6 ICUs)   | 15% decrease<br>4.91%<br>(for 6 ICUs)   | 6 months, yearly aggregate             | Info System of Emergency Dept. | PMU, LHA, EMS, hospital ER dept.   |
| <b>INTERMEDIATE RESULTS</b>   |      |   |                 |  |  |   |   |   |  |                                |                                    |
| <b>Intermediate Result (Outcome 1): MATERNAL AND NEONATAL CARE</b>            |      |   |                 |  |  |   |   |   |  |                                |                                    |
| <b>Revised Intermediate Result (Outcome One):</b>                             |      |   |                 |  |  |   |   |   |  |                                |                                    |
| 1.1 Maternal Mortality Rate (MMR) by level of MCH facilities.                 |      | C   | rate/1000       | Level 1: 0.09‰<br>Level 2: 0.07‰<br>Level 3: 0.17‰   | Level 1: 0.06‰<br>Level 2: 0.12‰<br>Level 3: 0.28‰ | Level 1: 0.255‰<br>Level 2: 0.133‰<br>Level 3: 0.023‰ | Level 1: 0.303‰<br>Level 2: 0.166‰<br>Level 3: 0.328‰                         | Level 1: 10% decr<br>Level 2: 10% decr<br>Level 3: 3.5% decr                                  | Annual                                 | NCOAISH                        | PMU and hospitals                  |
| 1.2 Neonatal Mortality Rate by level of MCH facilities.                       |      | C   | Rate/1000       | Level 1: 1.14‰<br>Level 2: 8.40‰<br>Level 3: 10.6‰   | Level 1: 2.13‰<br>Level 2: 5.36‰<br>Level 3: 7.50‰ | Level 1: 8.04‰<br>Level 2: 5.68‰<br>Level 3: 2.02‰    | Level 1: 9.02‰<br>Level 2: 6.01‰<br>Level 3: 2.46‰                            | Level 1: 3.7<br>Level 2: 7.6<br>Level 3: 9.6  | Annual                                 | NCOAISH                        | PMU and hospitals                  |
| 1.3 Patient satisfaction with maternity and neonatal services                 |      | C   | %               | Level 1: 109/140<br>Level 2: 110/140<br>Level 3: 109/140<br><b>Baseline 2008</b>           | Level 1:<br>Level 2:<br>Level 3:                   | Level 1:<br>Level 2:<br>Level 3:                      | Level 1:<br>Level 2:<br>Level 3:  | Level 1: 10% improvement<br>Level 2: 10% improvement<br>Level 3: 3.5%                         | Surveys: baseline; MTR; End of Project | Patient Satisfaction Survey    | PMU, monitors and surveyors        |
| 1.4 Maternity and neonatal facilities constructed, renovated and/or equipped  | X    | N   | number          | Maternities renovated: 0<br><b>(financed by EIB)</b><br>Maternities receiving equipment: 0 |  |   | Maternities renovated: 0<br><b>(financed by EIB)</b><br>Maternities receiving | Maternities renovated: 21<br><b>(Financed by EIB)</b><br>Maternities receiving equipment: 205 | Annual                                 | MoPH monitors                  | Monitors, PMU                      |

| Key Performance Indicators  | Core | D=Drop<br>C=Continue<br>N= New<br>R=Revised | Unit of Measure    | Baseline (2004) | Cumulative Target Values**   |   |   |  | Frequency   | Data Source/ Methodology                          | Responsibility for Data Collection     |               |
|---|------|---|--------------------|-----------------|--|---|---|--|---|---|--|---------------|
|   |      |   |                    |                 | YR 2009  | YR 2010   | YR 2011 (first 6 months)  | End of Project (2012)  |   |   |  |               |
|   |      |   |                    |                 |  |   | equipment: 134  |  |   |   |  |               |
| 1.5 Health personnel receiving training   | X    | N   | number             | 0               |  |   | 831   | 600  | Annual  | MoPH monitors                                     | Monitors, PMU                          |               |
| <b>Revised Intermediate Result (Outcome 2): EMERGENCY HEALTH SERVICES</b>   |      |   |                    |                 |  |   |   |  |   |   |  |               |
| 2.1 Response time for emergency services by urgency category (color coded – Red, Yellow, Green) and urban/rural areas |      | R   | Frequency          | Time unit       | URBAN<br>R & Y: 18 min 25 sec<br>Green: 52 min 33sec<br><br>RURAL<br>R & Y: 24 min 43 sec<br>Green: 36 min 2 sec<br><b>Baseline 2007</b> | URBAN<br>R & Y: 15 min 4 sec<br>Green: 28 min 1 sec<br><br>RURAL<br>R & Y: 21 min 5 sec<br>Green: 25 min 50 sec | URBAN<br>R & Y: 15 min 25 sec<br>Green: 40 min 5 sec<br><br>RURAL<br>R & Y: 23 min 10 sec<br>Green: 36 min 25 sec | URBAN<br>R & Y: 15min 7 sec<br>Green: 43 min 12 sec<br><br>RURAL<br>R & Y: 24 min 20 sec<br>Green: 34 min 33 sec | URBAN<br>R & Y: 15 minutes<br>Green: 8% less than baseline<br><br>RURAL<br>R & Y: 20 min.<br>Green: 8% less than baseline | 6 months, yearly aggregate                        | Ambulance data (electronic case forms) | PMU           |
| 2.2 Death Rate in emergency departments (dead patients/total alive presentations)                                     |      | R   | Frequency          | %               | 0.079%<br><b>Baseline 2007</b>   | 0.071%  | 0.074   | 0.077  | 0.064%  | 6 months, yearly aggregate (from 63 ERs equipped) | MoPH monitors                          | PMU           |
| 2.5 Decreased fatality rate for patients treated in small ERs   |      | R   | Frequency          | %               | 0.040%<br><b>Baseline 2008</b>   | 0.042%  | 0.045%  | 0.053%   | 5% decrease   | 6 months, yearly aggregate                        | Small ERs data                         | Monitors, PMU |
| 2.6 Decreased fatality rate within first 24 hours from admission of patients treated in hospital ICUs                 |      | R   | Baseline Frequency | %               | 2.84%<br><b>Baseline 2007</b>  | 1.55%   | 3.27%   | 2.45%  | 5% decr   | 6 months, yearly aggregate                        | Intervention ICU data                  | Monitors, PMU |
| 2.7 Emergency health facilities constructed, renovated and/or equipped  | X    | N   | number             |                 | ERs renovated: 0<br>ERs/ICUs receiving equipment: 0  |   |   | ERs renovated: 10<br>ERs/ICUs receiving equipment: 185   | ERs renovated: 16<br>ERs/ICUs receiving equipment: 253  | Annual  | MoPH monitors                          | Monitors, PMU |

| Key Performance Indicators   | Core | D=Droppe<br>d<br>C=Continu<br>e<br>N= New<br>R=Revised | Unit of Measure | Baseline (2004)         | Cumulative Target Values** |                            |                          |                       | Frequency              | Data Source/ Methodology | Responsibili<br>ty for Data Collection |
|--|------|--|-----------------|-------------------------|----------------------------|----------------------------|--------------------------|-----------------------|------------------------|--------------------------|--|
|  |      |  |                 |                         | YR 2009                    | YR 2010                    | YR 2011 (first 6 months) | End of Project (2012) |                        |                          |  |
| <b>Intermediate Result (Outcome 3): PRIMARY HEALTH CARE</b>  |      |  |                 |                         |                            |                            |                          |                       |                        |                          |  |
| 3.1 Development of a primary health care rural strategy  |      | C  | Yes / No        | No                      | No                         | In progress                | In progress              | Yes                   | End of year assessment | MoPH documents           | PMU, MoPH                              |
| <b>Intermediate Result (Outcome 4): NATIONAL HEALTH ACCOUNTS AND PLANNING</b>  |      |  |                 |                         |                            |                            |                          |                       |                        |                          |  |
| 4.1 Appropriate regulations issued with respect to main areas: (i) internationally comparable Romanian matrixes; (ii) institutional responsibilities; and (iii) timeframe for data flow. |      | C  | Number          | No regulations in place | Contract for NHS ongoing   | Contract for NHA completed | NHA in place             | 3 out of 3            | Annual                 | MoPH                     | PMU                                    |
| <b>Intermediate Result (Outcome 5): None</b>   |      |  |                 |                         |                            |                            |                          |                       |                        |                          |  |
| <b>Revised Intermediate Result (Outcome5): PROJECT MANAGEMENT</b>  |      |  |                 |                         |                            |                            |                          |                       |                        |                          |  |
| 5.1 Average lag time implementing project activities beyond critical dates agreed at the MTR   |      | C  | No of months    | 0                       | Lag < 5 months             | Lag < 4 months             | Lag>3 months             | Lag < 3 months        | At least quarterly     | Monitoring by PMU        | PMU                                    |
| 5.2 Timely submission of project progress reports  |      | C  | Report          | 0                       | On time                    | On time                    | On time                  | On time               | Bi-annually            | Monitoring by PMU        | PMU                                    |

\*Please indicate whether the indicator is a Core Sector Indicator (see further <http://coreindicators>)

\*\*Target values should be entered for the years data will be available, not necessarily annually.

**ANNEX 2**
**Reallocation of Loan Proceeds**

| Category of Expenditures                    |   | Amount of the Loan Allocated<br>(expressed in EURO) |            | % of Financing   |  |
|---|---|---|------------|--|--|
| Current                                     | Revised                                     | Current   | Revised    | Current  | Revised  |
| (1) Dispatch equipment                      | (1) Dispatch equipment                      | 2,850,059   | 2,850,059  | 100% of foreign expenditures, 100% of local expenditures (ex factory) and 80% of local costs for other items procured locally; | 100% of foreign expenditures, 100% of local expenditures (ex factory) and 80% of local costs for other items procured locally; |
| (2) Goods (other than dispatch equipment)   | (2) Goods (other than dispatch equipment)   | 30,341,139  | 30,412,960 | 100% of foreign expenditures, 100% of local expenditures (ex factory) and 80% of local costs for other items procured locally; | 100% of foreign expenditures, 100% of local expenditures (ex factory) and 80% of local costs for other items procured locally; |
| (3) Consultant's services (including audit) | (3) Consultant's services (including audit) | 999,742   | 999,742    | 75% of expenditures incurred by local consultants, and 85% of expenditures incurred by foreign consultants;                    | 75% of expenditures incurred by local consultants, and 85% of expenditures incurred by foreign consultants;                    |
| (4) Training                                | (4) Training                                | 80,218  | 80,218     | 100% of foreign expenditures and 75% of local expenditures;  | 100% of foreign expenditures and 75% of local expenditures;  |
| (5) Sub-loans under Part C of the Project   | (5) Sub-loans under Part C of the Project   | 0   | 0          |  |  |
| (6) Works                                   | (6) Works                                   | 338,865   | 338,865    | 80%  | 80%  |
| (7) Operating costs                         | (7) Operating costs                         | 414,764   | 414,764    | 45%  | 45%  |
| (8) Unallocated                             | (8) Unallocated                             | 0   | 0          |  |  |

|   |  |                   |                   |     |     |
|---|--|-------------------|-------------------|-----|-----|
| (9) Goods, dispatch equipment, consultant's services (including audit), training, works and operating costs as of November 26, 2008 | 9) Goods, dispatch equipment, consultant's services (including audit), training, works and operating costs as of November 26, 2008 | 30,075,213        | 30,003,392        | 74% | 74% |
| <b>Total</b>  |  | <b>65,100,000</b> | <b>65,100,000</b> |     |     |

ANNEX 3

ROMANIA – HEALTH SECTOR REFORM PROJECT (APL 2) – IBRD Loan 4760-RO

ACTIVITIES REMAINING TO BE COMPLETED IN 2012

| Ref No.       | CONTRACT DESCRIPTION                                       | CATEGORY<br>of<br>EXPENDITURE | TOTAL<br>ESTIMATED<br>COST (EURO) | IBRD<br>FINANCING<br>(EURO) | GOR<br>FINANCING<br>(EURO) | COMPLETION<br>DATE | COMMENTS/<br>CONTRACT STATUS |
|---------------|--|-------------------------------|-----------------------------------|-----------------------------|----------------------------|--------------------|------------------------------|
|               | <b>COMPONENT “A” – MATERNITY and CHILD HEALTH CARE</b>     |                               |                                   |                             |                            |                    |                              |
| <b>MCH 3</b>  | <b>Design for civil works for 22 maternities (phase 1)</b> |                               |                                   |                             |                            |                    |                              |
| MCH 3.1       | Design for Moldova Region                                  | CS                            | 279,453                           | 209,590                     | 69,863                     | Dec-2012           | Contract ongoing             |
| MCH 3.2       | Design for Dobrogea Region                                 | CS                            | 286,024                           | 214,518                     | 71,506                     | Dec-2012           | Contract ongoing             |
| MCH 3.3       | Design for Moldova (center)                                | CS                            | 190,794                           | 143,095                     | 47,698                     | Dec-2012           | Contract ongoing             |
| MCH 3.4       | Design for Ardeal Region                                   | CS                            | 243,183                           | 182,388                     | 60,796                     | Dec-2012           | Contract ongoing             |
| <b>MCH 6</b>  | <b>Design for civil works for 3 maternities (phase 2)</b>  |                               |                                   |                             |                            |                    |                              |
| MCH 6.1       | Design for OG Ploiesti Hospital                            | CS                            | 41,512                            | 30,719                      | 10,793                     | Dec-2012           | Contract ongoing             |
| MCH 6.2       | Design for Bacau Hospital                                  | CS                            | 57,312                            | 42,411                      | 14,901                     | Jun-2012           |                              |
| <b>MCH 12</b> | <b>Procurement of medical equipment (phase 2)</b>          |                               |                                   |                             |                            |                    |                              |
| MCH           | Lot VI: Surgical instruments for Gynecology                | G                             | 545,542                           | 403,701                     | 141,841                    | Mar-2012           | Contract awarded             |
| MCH 13        | TA – Preparation of BDs for Civil Works                    | CS                            | 207,071                           | 153,233                     | 53,839                     | Mar-2012           | Contract ongoing             |
|               | <b>Sub-TOTAL Component “A”</b>                             |                               | <b>1,850,892</b>                  | <b>1,379,655</b>            | <b>471,237</b>             |                    |                              |
|               | <b>COMPONENT “B” – EMERGENCY HEALTH SERVICES</b>           |                               |                                   |                             |                            |                    |                              |

|               |   |    |                  |                  |                  |           |                   |
|---------------|---|----|------------------|------------------|------------------|-----------|-------------------|
| EMS 14        | Civil works for ERU SMURD Tg. Mures Hospital  | CW | 1,225,524        | 906,888          | 318,636          | Mar-2012  | Contract ongoing  |
| EMS 15        | Design Rehabilitation of ER Tg. Mures Hospital  | CS | 79,805           | 59,055           | 20,749           | Mar-2012  | Contract ongoing  |
| <b>EMS 23</b> | <b>Equipment for Ambulance and SMURD Personnel Training Centers – ICB 11</b>                                    |    |                  |                  |                  |           |                   |
| EMS 23.1      | Lot I: Basic Cardio-Pulmonary Simulator   | G  | 64,491           | 47,724           | 16,768           | Mar-2012  | Final delivery    |
| EMS 23.2      | Lot II: I.V. Simulator  | G  | 82,132           | 60,778           | 21,354           | Feb-2012  | Final delivery    |
| EMS 23.3      | Lot III: Basic Cardio-Pulmonary Simulator with Digital Ev System and Semi-Automatic Defibrillator System        | G  | 112,331          | 83,125           | 29,206           | Feb-2012  | Final delivery    |
| EMS 23.4      | Lot IV: Intubation Simulator  | G  | 42,034           | 31,105           | 10,929           | Feb-2012  | Final delivery    |
| EMS 23.5      | Lot V: Accessories for Simulator  | G  | 36,010           | 26,647           | 9,362            | Feb-2012  | Final delivery    |
| EMS 23.6      | Lot VI: Advanced Cardio-Pulmonary Resuscitation Simulator   | G  | 94,580           | 69,989           | 24,591           | Feb-2012  | Final delivery    |
| EMS 23.7      | Lot VII: Multi-Functional Advanced Neo-Natal Simulator (resuscitation-trauma)                                   | G  | 47,880           | 35,431           | 12,449           | Feb-2012  | Final delivery    |
| <b>EMS 24</b> | <b>Update the existing telemedicine system for imaging data transmission and extending it to other regions.</b> |    |                  |                  |                  |           |                   |
| EMS 24.1      | Lot I: Upgrade and extension of the existing Emergency Telemedicine A/V Conference System                       | G  | 1,550,000        | 1,147,000        | 403,000          | May-2012  | Contract signing  |
| EMS 24.2      | Lot II: Extension of the Emergency Telemedicine Data System   | G  | 365,056          | 270,141          | 94,915           | May-2012  | Contract signing  |
| EMS 24.3      | Lot III: Emergency Telemedical Imaging System   | G  | 86,490           | 64,003           | 22,487           | May-2012  | Contract signing  |
| <b>EMS 25</b> | <b>Medical Equipment for Emergency Rooms, Intensive Care and Cardiology Units – ICB 10</b>                      |    |                  |                  |                  |           |                   |
| EMS 25.1      | Lot I: Intra-Hospital Transportation  | G  | 557,823          | 412,789          | 145,034          | Ian -2012 | Final delivery    |
| EMS 25.2      | Lot III: Ventilation Equipment  | G  | 378,820          | 280,327          | 98,493           | Ian -2012 | Final delivery    |
| EMS 25.3      | Lot IV: Resuscitation, Airway Mgmt - Immobilization   | G  | 166,656          | 123,325          | 43,331           | Ian -2012 | Final delivery    |
| EMS 25.4      | Lot V: Computer Tomography Equipment  | G  | 985,800          | 729,492          | 256,308          | Feb-2012  | Final delivery    |
| EMS 25.5      | Lot VI: Radiology Equipment   | G  | 330,136          | 244,301          | 85,835           | Feb-2012  | Final delivery    |
| EMS 26        | Weak-currents equipment for Tg. Mures Hospital  | G  | 200,000          | 148,000          | 52,000           | Mar -2012 | IS to be launched |
|               | <b>Sub-TOTAL Component “B”</b>  |    | <b>6,405,567</b> | <b>4,740,120</b> | <b>1,665,448</b> |           |                   |
|               |   |    |                  |                  |                  |           |                   |
|               | <b>COMPONENT “C” – PRIMARY HEALTH CARE</b>  |    |                  |                  |                  |           |                   |
| PHC 3         | TA to Design a Strategy for PHC in Underserved Areas  | CS | 276,160          | 204,359          | 71,802           | Mar -2012 | Contract ongoing  |
|               | <b>Increase Influenza Vaccine Production Capacity (Cantacuzino Institute)</b>                                   | G  |                  |                  |                  |           |                   |
| PHC 4         | Rehabilitation Works Influenza Vaccine Production Unit  | G  | 1,606,621        | 1,188,900        | 417,721          | May -2012 | Contract ongoing  |
| PHC 5         | Rehabilitation Works Influenza Vaccine Filling and  | G  | 2,096,497        | 1,551,408        | 545,089          | Feb -2012 | Contract ongoing  |

|         |  |    |                  |                  |                  |            |                                   |
|---------|--|----|------------------|------------------|------------------|------------|-----------------------------------|
|         | sealing Line   |    |                  |                  |                  |            |                                   |
| PHC 6   | Upgrade/Modification of the Filling Line   | G  | 466,216          | 345,000          | 121,216          | Sep - 2012 | BER completed                     |
| PHC 7   | Site Supervision for the Rehabilitation Works  | G  | 13,166           | 9,743            | 3,423            | Apr -2012  | Contract ongoing                  |
| PHC 8   | Designs for the Vaccine Production Unit  | CS | 54,685           | 40,467           | 14,218           | May -2012  | Contract ongoing                  |
| PHC 9   | BSL 3 Equipment  | G  | 148,649          | 110,000          | 38,649           |            |                                   |
| PHC 10  | BSL 3 Certification  | CS | 59,713           | 44,187           | 15,525           | Jun - 2012 | To be launched                    |
|         | <b>Sub-TOTAL Component "C"</b>   |    | <b>4,721,708</b> | <b>3,494,064</b> | <b>1,227,644</b> | Jun -2012  | To be launched                    |
|         |  |    |                  |                  |                  |            |                                   |
|         | <b>COMPONENT "E" – PROJECT MANAGEMENT<br/>(inc. TA to support forthcoming health sector reforms)</b> |    |                  |                  |                  |            |                                   |
| PM 14.2 | Audit Services 2011-2012   | CS | 27,027           | 20,000           | 7,027            | Apr -2012  | Contract ongoing                  |
| PM 15   | Local Monitoring – Region 6 and 7  | CS | 4,000            | 2,960            | 1,040            | Apr -2012  | Contract ongoing                  |
| PM 16   | Local Monitoring – Region 1 and 2  | CS | 4,000            | 2,960            | 1,040            | Apr -2012  | Contract ongoing                  |
| PM 17   | Local Monitoring – Region 4 and 5  | CS | 4,000            | 2,960            | 1,040            | Apr -2012  | Contract ongoing                  |
| PM 18   | Local Monitoring – Region 3 and Bucharest  | CS | 4,000            | 2,960            | 1,040            | Apr -2012  | Contract ongoing                  |
| PM 22   | Public Information Campaign on Health Reforms  | CS | 556,757          | 412,000          | 144,757          | Jul - 2012 | Draft contract with WB for review |
| PM 24   | Legal Assistance to PMU  | CS | 16,216           | 12,000           | 4,216            | Dec -2012  | Contract ongoing                  |
| PM 26   | Translation Services   | CS | 6,757            | 5,000            | 1,757            | Dec -2012  | Contract ongoing                  |
| PM 28   | TA for INTRASTAT   | CS | 2,703            | 2,000            | 703              | Dec -2012  | Contract ongoing                  |
| PM 29   | TA for Accounting System (CIEL)  | CS | 405              | 300              | 105              | Dec -2012  | Contract ongoing                  |
| PM 30   | Evaluation Committees Members  | CS | 10,811           | 8,000            | 2,811            | Dec -2012  | Contract ongoing                  |
| PM 31   | Logistic Services for PMU  | OC | 13,514           | 10,000           | 3,514            | Dec -2012  | Contract ongoing                  |
| PM 33   | Training for PMU Staff   | TR | 82,000           | 60,680           | 21,320           | Dec -2012  | As needs identified               |
| PM 34   | Consumable/Communication/Supplies for PMU  | OC | 108,108          | 80,000           | 28,108           | Dec -2012  | As needed                         |
| PM 37   | PMU Staff Salaries   | OC | 516,000          | 381,840          | 134,160          | Dec -2012  | Contracts ongoing                 |
| PM 39   | TA for Basic Package of Health Services (NICE – UK)  | CS | 90,396           | 66,893           | 23,503           | Feb -2012  | Contract ongoing                  |
| PM 39   | TA for future Health DPL/RBF/P4R Programs  | CS | 2,972,973        | 2,200,000        | 772,973          | Dec -2012  |                                   |
|         | <b>Sub-TOTAL Component "E"</b>   |    | <b>9,349,735</b> | <b>3,270,553</b> | <b>1,149,113</b> |            |                                   |

