COLLEGES AND UNIVERSITIES RATE AGREEMENT

EIN #: 1426004224A1

INSTITUTION:
Iowa State University
3607 Administrative Services Bldg.
Room 1635
Ames

DATE: July 11, 2008

FILING REF.: The preceding Agreement was dated May 27, 2004

IA 50011-2042

The rates approved in this agreement are for use on grants, contracts and other agreements with the Federal Government, subject to the conditions in Section III.

<table>
<thead>
<tr>
<th>SECTION I: FACILITIES AND ADMINISTRATIVE COST RATES*</th>
</tr>
</thead>
<tbody>
<tr>
<td>RATE TYPES: FIXED  FINAL  PROV. (PROVISIONAL)  PRED. (PREDETERMINED)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TYPE</th>
<th>EFFECTIVE PERIOD</th>
<th>RATE(%)</th>
<th>LOCATIONS</th>
<th>APPLICABLE TO</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRED.</td>
<td>07/01/08 06/30/12</td>
<td>48.0</td>
<td>On Campus</td>
<td>Organized Research</td>
</tr>
<tr>
<td>PRED.</td>
<td>07/01/08 06/30/12</td>
<td>26.0</td>
<td>Off Campus</td>
<td>All Programs</td>
</tr>
<tr>
<td>PROV.</td>
<td>07/01/12 UNTIL AMENDED</td>
<td>Use same rates and conditions as those cited for fiscal year ending June 30, 2012.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*BASE: Modified total direct costs, consisting of all salaries and wages, fringe benefits, materials, supplies, services, travel and subgrants and subcontracts up to the first $25,000 of each subgrant or subcontract (regardless of the period covered by the subgrant or subcontract). Modified total direct costs shall exclude equipment, capital expenditures, charges for patient care, tuition remission, rental costs of off-site facilities, scholarships, and fellowships as well as the portion of each subgrant and subcontract in excess of $25,000.
TREATMENT OF FRINGE BENEFITS:
Fringe benefits are specifically identified to each employee and are charged individually as direct costs. The directly claimed fringe benefits are listed below.

TREATMENT OF PAID ABSENCES:
Vacation, holiday, sick leave pay and other paid absences are included in salaries and wages and are claimed on grants, contracts and other agreements as part of the normal cost for salaries and wages. Separate claims for the costs of these paid absences are not made.

OFF-CAMPUS DEFINITION: For all activities performed in facilities not owned by the institution and to which rent is directly allocated to the project(s), the off-campus rate will apply. Grants or contracts will not be subject to more than one F&A cost rate. If more than 50% of a project is performed off-campus, the off-campus rate will apply to the entire project.

Equipment Definition -
Through fiscal year ended 06/30/03, equipment means an article of nonexpendable, tangible personal property having a useful life of more than one year and an acquisition cost of $2,000 or more per unit. Effective 07/01/03, the acquisition cost of equipment, as defined above, is $5,000 or more per unit.

FRINGE BENEFITS:
- PICA
- TIAA/CREP
- Disability Insurance
- Worker's Compensation
- Life Insurance
- Unemployment Insurance
- Health Insurance
- Dental Insurance
INSTITUTION:  
Iowa State University

AGREEMENT DATE: July 11, 2008

SECTION II: GENERAL

A. LIMITATIONS: 
The rates in this Agreement are subject to any statutory or administrative limitations and apply to a given grant, contract or 
other agreement only to the extent that funds are available. Acceptance of the rates is subject to the following conditions: 
(1) Only costs incurred by the organization were included in its facilities and administrative cost pools as finally accepted; such 
costs are legal obligations of the organization and are allowable under the governing cost principles; (2) The same costs that have 
been treated as facilities and administrative costs are not claimed as direct costs; (3) Similar types of costs have been accorded 
consistent accounting treatment; and (4) The information provided by the organization which was used to establish the rates is not 
later found to be materially incomplete or inaccurate by the Federal Government. In such situations the rate(s) would be subject to 
renegotiation at the discretion of the Federal Government.

B. ACCOUNTING CHANGES: 
This Agreement is based on the accounting system purported by the organization to be in effect during the Agreement period. Changes 
to the method of accounting for costs which affect the amount of reimbursement resulting from the use of this Agreement require 
pre-approval of the authorized representative of the cognizant agency. Such changes include, but are not limited to, changes in 
the charging of a particular type of cost from facilities and administrative to direct. Failure to obtain approval may result in 
cost disallowances.

C. FIXED RATES: 
If a fixed rate is in this Agreement, it is based on an estimate of the costs for the period covered by the rate. When the actual 
costs for this period are determined, an adjustment will be made to a rate of a future year(s) to compensate for the difference 
between the costs used to establish the fixed rate and actual costs.

D. USE BY OTHER FEDERAL AGENCIES: 
The rates in this Agreement were approved in accordance with the authority in Office of Management and Budget Circular A-21 
Circular, and should be applied to grants, contracts and other agreements covered by this Circular, subject to any limitations in A 
above. The organization may provide copies of the Agreement to other Federal Agencies to give them early notification of the 
Agreement.

E. OTHER: 
If any Federal contract, grant or other agreement is reimbursing facility and administrative costs by a means other than the 
approved rate(s) in this Agreement, the organization should (1) credit such costs to the affected programs, and (2) apply the 
approved rate(s) to the appropriate base to identify the proper amount of facilities and administrative costs allocable to these 
programs.

BY THE INSTITUTION:  
Iowa State University

[INSTITUTION]

[Signature]

Warren R. Madden

[Name]

Vice President for Business and Finance

[TITLE]

July 16, 2008

[DATE]

ON BEHALF OF THE FEDERAL GOVERNMENT:

DEPARTMENT OF HEALTH AND HUMAN SERVICES

[Agency]

[Signature]

Henry Williams

[Name]

DIRECTOR, DIVISION OF COST ALLOCATION:

[TITLE] CENTRAL STATES FIELD OFFICE

July 15, 2008

[DATE] 7008

His Representative: Shon D. Turner

Telephone: (214) 767-3267

(3)
COMPONENTS OF PUBLISHED F&A COST RATE

INSTITUTION:                      IOWA STATE UNIVERSITY
FY COVERED BY RATE:              JULY 1, 2008 through JUNE 30, 2012
APPLICABLE TO:                   ORGANIZED RESEARCH

<table>
<thead>
<tr>
<th>RATE COMPONENT</th>
<th>ON CAMPUS</th>
<th>OFF CAMPUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building Depreciation</td>
<td>4.0</td>
<td></td>
</tr>
<tr>
<td>Equipment Depreciation</td>
<td>4.7</td>
<td></td>
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<tr>
<td>Interest</td>
<td>2.0</td>
<td></td>
</tr>
<tr>
<td>Operation &amp; Maintenance</td>
<td>10.2</td>
<td></td>
</tr>
<tr>
<td>Library</td>
<td>1.1</td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>26.0</td>
<td>26.0</td>
</tr>
<tr>
<td>TOTAL</td>
<td>48.0</td>
<td>26.0</td>
</tr>
</tbody>
</table>

CONCURRENCE:

IOWA STATE UNIVERSITY
(Institution)

Warren R. Madden
(Signature)

Warren R. Madden
(Name)

Vice President for Business and Finance
(Title)

July 16, 2008
(Date)