

**Expression of Interest (EOI) Document
for
Engagement of Consultant/Institution
for
“Assessment of Oil losses through Oil Cakes/Rice Bran”**

1. Background:

Domestic consumption of edible oils has increased substantially over the years and has touched the level of 18.90 million tonnes in 2011-12 (Nov-Oct) and is likely to increase further with enhancement in income. The growth in production of domestic edible oils (9.02 million tonnes in 2011-12) has not been able to keep pace with the growth in consumption and the gap between production and consumption is being met through imports. The cost of import of edible oil is a huge drain to the exchequer to the tune of Rs. 53,000 crores during 2011-12.

Increasing production of oilseeds is a great challenge in view of the fact that these crops are grown largely under rainfed ecologies and land being a limiting factor. Considering the importance of oilseeds, both in terms of dietary requirements as well as the cost of import, the Government of India (GoI) over the years through the various oilseeds development schemes like, Intensive Oilseed Development Programme (1974 – 84); National Oilseeds Development Project (1984-90), Oilseeds Production Thrust Project (1987-91), Oilseeds Production Programme (1991-2004) and Oil Palm Development Programme (1991-2004) under Technology Mission on Oilseeds and Integrated Scheme of Oilseeds, Oil Palm and Maize (since 2004-05 till date), have been funding activities for the development of cultivation of Oilseeds and Oil Palm in the country. The ongoing Centrally Sponsored Integrated scheme of Oilseeds, Oil Palm, Tree Borne Oilseeds are being restructured into National Mission on Oilseeds and Oil Palm (NMOOP) during 12th Plan. NMOOP aims to enhance production of oilseeds from 28.93 million tonnes to 35.51 million tonnes and increase productivity from 1081 kg/ha (average of 11th plan) to 1328 kg/ha, bring additional area of 1.25 lakh ha under Oil Palm cultivation with increase in productivity of FFBs from 4927 kg/ha to 15,000 kg/ha and increase collection of seed of TBOs from 9 lakh tonnes to 14 lakh tonnes by end of the 12th Plan.

A large network comprising about 1.50 lakh crushing units including ghanis and expellers with an annual capacity of about 425 lakh tonnes of oilseeds and 795 solvent extraction units with an annual capacity of processing 419 lakh tonnes of oil bearing material is available in the country. The capacity of the oil industry is under utilized by more than 60% due to non-availability of raw material at one hand and poor extraction efficiencies on the other. Expeller-pressing is most common followed by screw-press, ram-press and ghanis. The amount of oil extracted by these methods vary widely. Oil Expellers are more efficient than ghanis and can extract 35-37% of oil as against 20-30% by ghanis, leaving a good amount of (8-10%) oil in the cake. Sizeable part of such oil cakes are processed through solvent extraction plants available with progressive oil millers, whereas, sizeable quantity of oil rich cake is

directly used as cattle feed without subjecting to Solvent Extraction Process (SEP). No formal study has been conducted so far about the actual losses of vegetable oils through the cakes including rice bran. However, it has been quoted by various institutions that availability of vegetable oil could be augmented by 6 million tonnes through improvement of oil extraction efficiencies and subjecting entire oil cakes including rice bran to SEP.

2. Objective

For making an Assessment of the extent of oil loss due to processing of oilseeds like sunflower, mustard, groundnut, sesame by ghanis, expellers and other local form of oil extraction process, assessment of quantity of rice bran not used for oil extraction and preparation of strategy for augmenting the availability of vegetable oil with these resources through suitable "Bidder" (Institutions / Consultant / Agencies) as per the provisions contained in the "Manual of Policies and Procedure of Employment of Consultant" issued by Department of Expenditure, Ministry of Finance, Government of India read with relevant instructions issued from time to time would be made by inviting Expression of Interest (EOI) from reputed & qualified "Bidders" for carrying out the proposed assessment.

3. Purpose of EOI

The purpose of this EOI is to provide interested "bidders" with the necessary information to enable them to prepare and submit their responses for the services to be rendered to the 'Employer' in conformity with the TOR.

4. Definitions

(a) "Employer" means "Oil Seeds Division", Department of Agriculture & Cooperation, Ministry of Agriculture, Government of India, Krishi Bhavan, New Delhi-110001".

(b) "Bidder" means any entity or person or associations of persons who have submitted their application in the prescribed forms in response to EOI document intending to provide the services to the "Employer" as specified therein.

(c) "Day" means calendar day.

(d) "Government" means the Government of India.

(e) "Application Form" means the prescribed Form to be submitted by the "Bidder(s)".

(f) "Terms of Reference" (ToR) means the aspects of evaluation for information of the "Bidder (s)".

5. Terms of Reference

5.1 Area and scope of study: The agency shall undertake the study comprising the following:

5.1.1 Collection and analysis of data in respect of 20% oil crushing units in **with minimum 10 units in each identified districts** with regards to the oilseed crushed, quantity crushed, quantity of oil produced, % oil recovery, % capacity utilization, cake produced, cake subjected to Solvent Extraction Unit and cake directly supplied for cattle feed without subjecting to Solvent Extraction Process in the format given in **Appendix-I** in respect of districts given in **Appendix-II**.

5.1.2 Comparative evaluation and analysis of oil extraction efficiencies of different type of oil crushing units working in the identified districts and suggest the extent of oil loss, which can be recovered with suitable/appropriate technologies.

5.1.3 Collection and analysis of data about paddy production, estimated production of rice bran, quantity of rice bran used for production of rice bran oil, quantity of rice bran remains unused in the format given in **Appendix-III** in respect of the districts given in **Appendix-IV**.

5.1.4 Suggest technologies for improving the oil extraction efficiencies of ghanis, expellers, and other local oil extraction machines.

5.1.5 Evaluate the current mechanism of supply of oil cakes and rice bran to Solvent Extraction Plants.

5.1.6 Suggest mechanism and measures for augmenting supply of oil cakes and rice bran to the Solvent Extraction Units.

5.2 Expected outcome: Based on the above mentioned sample analysis, quantity of oil cakes and rice bran being subjected to solvent extraction process, the agency is required to provide assessment of oil losses through oil cakes and rice bran at National level and submit a Mission mode proposal/project for the 12th Plan period for augmenting the availability of vegetable oil through these resources.

Other parameter applicable for the study is **annexed**.

6. Submission of the application in response to EOI

This EOI is advertised through in Times of India, Hindustan Times-Delhi Edition (Hindi) and Dainik Jagran - Delhi Edition (Hindi) on 2nd October, 2014 and is also posted on the website (www.indiaseeds.com) of NSC and www.agricoop.nic.in/tenders, DAC, Ministry of Agriculture, Government of India to give wide publicity and invite a large number of eligible “Bidders” who have the capability to deliver such services, for their participation in the process of Expression of Interest. The information provided by the “Bidder(s)” will be used by the ‘Employer’ to select potential “Bidder”. The format for submission of EOI application is enclosed as **Form– I to Form VI**.

7. Instructions to the Bidders

- (i) Bidders may submit Technical (Forms I-V) and Financial (Form-VI) proposals in separate sealed envelopes superscribing “Technical Bid” and “Financial Bid”, respectively. The envelopes so sealed shall be inserted in another envelope addressed to the ‘Employer’ at the following address and should be sent by registered post or delivered in person, so as to reach the ‘Employer’ **by 3 PM on 31st October, 2014** being the last date for submission of the application for EOI to-
“Director (Oilseeds), Department of Agriculture & Co-operation, Ministry of Agriculture, Government of India, Room No. 117, Shastri Bhawan, New Delhi - 110 001.
- (ii) The responsibility for ensuring that the applications are delivered in time vests with the “Bidders”.
- (iii) The ‘Employer’ may, at its discretion, extend this deadline for the submission of application, in which case, all rights and obligations of the ‘Employer’ and Bidder(s) previously subject to the deadline will thereafter be subjected to the deadline as extended.
- (iv) Any application received by the ‘Employer’ after the deadline for submission as prescribed by the ‘Employer’, shall be rejected.
- (v) The applications submitted by the respective “Bidder(s)” in response to this EOI shall be valid until the award of the contract by the ‘Employer’ and the “Bidders” shall be bound by their bids until such period.
- (vi) The application(s) and material(s) submitted by the Bidder(s) in response to this EOI will become the property of the ‘Employer’.
- (vii) The ‘Employer’ shall neither be responsible nor pay any expenses or losses which may be incurred by the “Bidder(s)” in the preparation and submission of their application.
- (viii) The application submitted by “Bidders” shall be treated as private and confidential documents, whether or not the ‘Employer’ accepts an application.

- (ix) The EOI should be accompanied by complete details of the agency / organization, audited financial statement/ certificate, evidence of experience such as client's certificates, project completion certificates or any other relevant document and details of remittance of the cost of EOI document.
- (x) 'Employer' reserves the right to accept or reject any or all EOIs at any point of time without assigning any reason whatsoever.

8. Pre-qualification Criteria

"Bidders" interested in taking up the Impact Evaluation Study of the scheme in question must fulfil the following criteria:-

- (i) Bidder must be an agency/organization/institution, either private or government, incorporated in India with at least a core group of experts (03 members) with minimum of 05 year experience in processing of vegetable oils/oilseeds.
- (ii) Total value of the projects completed should not be less than rupees twenty lakhs in each year, during preceding three (3) years.
- (iii) The Team leader of the study should possess the Post-graduate degree in Oil Technology/Chemical Technology with minimum ten (10) years of experience in processing of vegetable oils/oilseeds. He/she should have handled at least three projects, out of which two projects should be in the capacity of Team leader.
- (iv) The members of the study team should also be commensurate to the requirement of the project i.e. Master degree in Oil Technology / Chemical Technology with three years of experience in processing of vegetable oils.

9. Expression of Non-Interest

If the "Bidder(s)", at any point of time, wishes not to participate in this EOI, the same information may be communicated to the 'Employer' within one week of the receipt of this EOI by the "Bidder(s)". In such circumstances, the Bidder(s) shall return to 'Employer' all the documents/materials provided by the 'Employer', without publicising / using the contents of this EOI.

10. Facilities to be extended by the 'Employer' to the "Bidder(s)"

The 'Employer' shall share the available information/data pertaining to oilseeds / oils, available with the Department of Agriculture & Cooperation, Ministry of Agriculture, Government of India with the "Bidder(s)" for the purpose of submitting application in response to EOI.

11. Period of completion of Assessment of Oil Losses through Cakes/Rice Bran

The “Bidder” to be declared successful would complete the Assessment of Oil Losses within four months. He shall submit inception report within fifteen (15) days from the date of award of the contract, followed by submission of draft report after 180 days from the date of award of the contract.

12. Submission of Reports

The Evaluating Agency shall complete the assessment study within four months time from the date of award of the study.

Submission of reports and schedule of payment are as under:

- (i) Evaluation Agency will submit 10 copies of draft report (duly supported with tables, graphs and photographs) within six months from the date of award of assignment and make presentation of draft reports on a specified date, if required.
- (ii) Submit 50 printed copies each of Final Report and 50 copies of Executive Summary of the Report along with their soft copies in word and in PDF format within 30 days from the receipt of suggestions / comments after incorporating the suggestions / comments made at the time of presentation or provided by the MoA.

13. Schedule of Payment

The selected bidder would have to submit a bank guarantee equivalent to 5% of the total project cost valid for a period upto six months as performance security.

The schedule of payment will be as under:

- (i) First instalment of 30% of the total cost as an advance at the time of approval of study.
- (ii) Second instalment of 30% of the total cost on the submission of 10 copies of draft report.
- (iii) Third and final instalment of 40% of the total cost on submission and acceptance of final report.
All the payments will be released by the Department of Agriculture and Cooperation.

Penalty Clause @ 5% of the released amount will be imposed on the Evaluating Agency in the event of delay in submission of the Reports as per

schedule given above, for which no justification may be provided. There should normally, be very strong and genuine grounds for waiver of penalty on account of delay. Secretary (A&C) will be the authority for waiving of penalty.

14. Procedure for Selection of Agency

14.1 Composition of Consultant Selection Committee (CSC)

For identification, short listing and selection of Consultant/Agency for conducting Impact Evaluation Study, there will be a Consultancy Selection Committee with the following composition:

Joint Secretary (OS)	-	Chairman
ADG (Engg.), ICAR	-	Member
Chief Director, Directorate of Vanaspati	-	Member
Additional Commissioner (OS)	-	Member
Director (OS)	-	Member
Deputy Secretary (Finance)	-	Member
Under Secretary (Projects)	-	Member Secretary

The above Committee will also be responsible for monitoring the progress of the evaluation study.

14.2 Evaluation of Proposals

A two-stage evaluation procedure would be adopted for the proposals received. Therefore, bidders are required to submit technical (forms I-V) and financial (form-VI) proposals in separate sealed envelopes. Both the sealed envelopes are required to be submitted in another sealed cover super scribed 'EOI for **Assessment of Oil Losses through Cakes/Rice Bran**'. This sealed covered shall be opened publically in the presence of representatives of the bidding firms who choose to attend. The technical evaluation will be completed before the financial proposals are assessed.

The envelope containing the financial proposal will not be opened till the technical evaluation is completed. The financial proposal of only such bidders will be opened which have obtained minimum qualifying weightage/standards prescribed for the technical proposal.

The applications received will be evaluated for short listing of “Bidders” based on their past experience of handling similar types of projects, man power and financial health. The following criteria will be adopted while short listing of the “Bidder(s)”:- S. No.	Parameters	Weightage
1	Past Experience of the Firm	60
1.1	Number of years of experience.	15
1.2	Past experience in conducting similar studies.	30
1.3	Past experience in carrying out studies in related sector (in India).	15
2	Experience of Key Personnel	25
2.1	Qualifications	10
2.2	Relevant Experience	15
3	Financial Strength of Firm	15
3.1	Turnover figure for last three years.	7.5
3.2	Net Profit Figure for last three years	7.5

Only “Bidder(s)” who secure a minimum of 60 points as per above criteria would be shortlisted.

Agencies whose proposals do not meet the minimum qualifying standards, will be returned along with their financial proposals, unopened.

Consultants who have successfully satisfied the qualifying standards and obtained the minimum qualifying marks, will be notified on the date and time

set for opening the financial proposals. The financial proposals shall be opened publicly in presence of the representatives of the technically qualified consultants who choose to attend. The name of the Consultant, the quality scores, and the proposed prices shall be read aloud and recorded when the financial proposals are opened.

For the purpose of evaluation, the total cost shall include all taxes and duties for which the employer makes payments to the Consultant and other reimbursable expenses included in the total cost, such as travel, translation, report printing or secretarial expenses.

If there be conditions attached to any financial proposal, which have bearing on the total costs as indicated in the proposal, the CSC shall reject any such proposal as non-responsive financial proposal. However, if the CSC feels it necessary to seek clarification on any financial proposals regarding taxes, duties or any such matter, the CSC may do so by inviting responses in writing. The financial proposals will be ranked in terms of their total evaluated cost, with the least cost proposal getting maximum weightage.

14.3 Final Selection of the Agency

The shortlisted agencies would be given total points based on their financial as well as technical bids, with ratio of 70:30, respectively. The agency that gets the maximum weightage would be selected for the Study.

15. Rejection of all proposals and re-invitation

The Government reserves the right to accept or reject any or all EOI(s) without assigning any reason whatsoever.

16. Validity

The “Bidder(s)” acknowledge that the application submitted in response to this EOI shall constitute an offer to the ‘Employer’, which shall remain open for acceptance until the contract is awarded by the ‘Employer’. For the avoidance of doubt, neither this EOI nor any response submitted by the “Bidder(s)” in response to this EOI shall constitute a legally binding agreement unless and until accepted by the ‘Employer’ in writing in the form of a contract executed between the ‘Employer’ and the successful “Bidder”.

17. Confidentiality

This EOI must not be reproduced in whole or in part without the prior written consent of the ‘Employer’. All information contained within this EOI is given in strict confidence.

18. Proprietary Information

All restrictions on the use of data contained within an application and all confidential information must be clearly stated by the “Bidder (s)”. Proprietary information submitted in an application, or in response to the EOI, will be handled in accordance with the applicable law(s) of the Government.

Format for collection of information of oil extraction units

Name of State:

Name of District	Name & Address of oil milling unit	Ownership (Pvt./Coop./PSU)	Crushing capacity/Per year (MT)	Name of oilseed crushed	Avg qty of o/s crushed (MT/per year)	Avg Qty of oil produced per year (MT)	% oil recovery	Capacity utilization (%)	Utilisation of oil cake per year (MT)		
									Total oil cake produced	Qty Supplied to solvent extraction unit	Qty directly supplied as cattle feed

List of districts for assessment of oil losses through oil cakes

S.No.	State	Oilseeds	Covered District
1	Assam	Rapeseed Mustard	Lakhimpur
2	Andhra Pradesh	Groundnut, Mustard & Sunflower	Kurnool
3	Bihar	Mustard	Muzzafarpur
4	Chhattisgarh	Groundnut & Sunflower	Raigarh
5	Gujarat	Groundnut	Jamnagar
6	Karnataka	Groundnut & Sunflower	Belgaon
7	Maharashtra	Groundnut & Sunflower	Solapur
8	Nagaland	Rapeseed Mustard	Dimapur
9	Odisha	Groundnut, Sunflower & Mustard	Bolangir
10	West Bengal	Mustard	Murshirabad
11	Uttar Pradesh	Mustard & Sunflower	Farrukabad
12	Rajasthan	Groundnut & Mustard	Bikaner
13	Madhya Pradesh	Mustard	Bhind

Format for collection of data about Rice Bran

(Qty. in Tonnes)

State	Name of District	Area under Paddy	Annual Paddy Production	Estimated production of Rice Bran	Qty. of Rice Bran utilized for oil	Qty. of Rice Bran not utilized

List of districts - assessment of oil losses through Rice Bran

S.No.	State	District
1	Assam	01 BGREI District
2	Bihar	-Do -
3	Chhattisgarh	-Do -
4	Jharkhand	-Do -
5	Odisha	-Do -
6	Uttar Pradesh	-Do -
7	West Bengal	-Do -

Assessment of Oil Losses through Oil Cakes/Rice Bran

- (i) The assigned study will be based on intensive sample survey by the concerned official/ members of the Assessment Team of concerned Bidder and the requirement given in **Appendix I & III.** with participatory discussions with the oil crushing units, structural interviews/ questionnaires. The study will have to be conducted as per the objectives and methodologies given in the ToR.
- (ii) Main reliance will be on primary data. The primary data should have complete list along with contact details of the oil crushing units and rice millers.
- (iii) While conducting the survey standard norms, methodology and the sampling techniques etc. shall be adopted as applicable for such studies to ensure that the samples are representative and cover various types of oil crushing /rice milling units available in the districts , irrigated/un-irrigated farms, all component crops etc.. The sample size should also represent all the sections of the society such as small and marginal farmers, SC/ST farmers, minority farmers and women folk so that out-reach of the programme to these sections is also reflected in the study/report.
- (iv) The Ministry of Agriculture (Department of Agriculture and Cooperation) reserves the right to call for any data collected by the agency, in raw or in any other form for verification with ground realities. Such data will be made available by the agency concerned within seven days as and when called for, failing for which last installment of payment would not be released. Data collected for evaluation studies and the facts/conclusion report of the studies will not be published or made public to any other agency.
- (v) Data collection from primary and secondary sources, processing and preparation of report shall be the responsibility of the agency.
- (vi) The Department of Agriculture and Cooperation will designate, a contact-cum-coordinating officer for the study with whom the agency may have consultations regarding any of the aspects of evaluation studies containing methodological aspects, etc for the study.
- (vii) The Department of Agriculture and Cooperation would reserve the right to cancel the assignment of the study having regard to the quality of the Draft Reports or non-compliance of conditions, etc.

(viii) Agency will also furnish the utilization and audit certificates duly signed by competent authority immediately after the completion of work to the Oil Seeds Division, Department of Agriculture and Cooperation, Ministry of Agriculture, New Delhi.

(ix) Agency will guarantee that the assigned work would be original work and will not infringe on the copy right of any other person(s) agency.

(x) The Agency will keep the Department of Agriculture & Cooperation apprised with developments and progress of the work relating to the study so as to enable the Department to depute its officers to verify the reported activities including investigation work.

(xi) Agency having prepared and delivered, the completed typed/ soft copy of the assigned work, shall print, produce, publish and distribute the Report at its own cost and expenses in such a manner and style as the Ministry may at its discretion deem fit. The aforesaid work will be the property of the Government of India (Department of Agriculture & Cooperation) and all the copy rights will vest in it.

(xii) If any difference or dispute shall arise between the agency and the Oil Seeds Division of DAC relating to this agreement or any matter arising thereof or incidental thereto, the matter shall be referred to the sole authority, i.e., Joint Secretary & Mission Director Oil Seeds Division, Department of Agriculture and Cooperation, and the award given by him/ her shall be final and binding on both parties.

**Assessment of Oil Losses through Oil Cakes/Rice Bran
Format for Letter of Proposal**

Ref. No.

Date

To

Director (OS),
Ministry of Agriculture,
Department of Agriculture & Cooperation
117, Shastri Bhavan,
New Delhi-110001

Subject: Expression of Interest (EOI) for conducting an Assessment of Oil Losses through Oil Cakes/Rice Bran

Sir/Madam,

With reference to your letter to No... dated on the subject cited above, we wish to apply for conducting an **Assessment of Oil Losses through Oil Cakes/Rice Bran** and the following documents are attached in two separate envelopes:

1. Technical Bid (duly marked as Envelope No. 1-Technical Bid) containing brief about:

- About the organization and its experience
- Approach & Methodology of study
- Team composition and CV of key personnel
- Staffing schedule
- Work schedule.

2. Financial Bid (duly marked as Envelope No. 2- Financial Bid) containing Financial Bid

- Cost estimate

Enclosures: as above

Yours faithfully,

Authorized Signatory

Assessment of Oil Losses through Oil Cakes/Rice Bran

1. Name of bidding agency/ firm/individual:
2. Headquarter
3. Address for Correspondence along with contact/e-mail:
4. Date & country of incorporation (enclose copy of relevant document)
5. Past experience of the firm:
 - 5.1 No. of years experience in processing of vegetable oils:
 - 5.2 Studies carried out:-
 - 5.2.1 In processing of vegetable oils :

(Project completion certificates for projects completed during last 10 years to be attached in support of experience)
6. Professional strength
 - 6.1 No. of full time professionals engaged
 - 6.2 Location of offices in other parts of India, if any:
7. Financial Strength
 - 7.1 Annual Turnover for last three years (enclose audited financial statements)
 - 7.2 Annual Net Profit for last three years.

Authorized Signatory

Assessment of Oil Losses through Oil Cakes/Rice Bran

Format for furnishing details about Approach & Methodology of Study.

1. Understanding about the study by the Agency (Maximum 500 words):
2. Approach (500 words)
3. Methodology of Study (Details of methodology proposed to be adopted for various aspects of the study viz. selection of oil crushing units, locations and, sampling method, source of data collection, documentation, analysis and interpretation, including time period involved, to be provided).

Authorized Signatory

Assessment of Oil Losses through Oil Cakes/Rice Bran
Format for furnishing details about Team Composition (Key personnel
proposed to be engaged in the study)

1. Name of Agency

2. No. of full time professional staff available with the Agency

3. Team composition for the Study: Sl. No.	Name	Area of Expertise	Position assigned	Duration of engagement for Study (months)
(i)				
(ii)				
(iii)				
(iv)				

Assessment of Oil Losses through Oil Cakes/Rice Bran

Proposed Format for work schedule

S.No.	Activity	Months			
		1	2	3	--
1	Collection and Analysis of Data in respect of 20% oil crushing units				
2	Evaluation and Analysis of oil extraction efficiencies				
3	Collection and Analysis of Data about production and utilization of rice bran				
4	Suggested technologies for improving the oil extraction efficiencies				
5	Evaluate the current mechanism for supply of oil cakes and rice bran				
6	Mechanism and measures for augmenting the supply of oil cakes and rice bran				

Authorized Signatory

Impact Evaluation Study of National Food Security Mission
Format for Financial Proposal

Ref. No.

Date

1. Name of Agency:
2. Reference No. of Technical Proposal:
3. Total amount proposed:
4. Break up of Expenditure:

Sl. No.	Description of Activity	Amount (in Rs
1	Collection and Analysis of Data in respect of 20% oil crushing units	
2	Evaluation and Analysis of oil extraction efficiencies	
3	Collection and Analysis of Data about production and utilization of rice bran	
4	Suggested technologies for improving the oil extraction efficiencies	
5	Evaluate the current mechanism for supply of oil cakes and rice bran	
6	Mechanism and measures for augmenting the supply of oil cakes and rice bran	
	Total	
	Taxes and any other liability	
	Grand Total	

Authorized Signatory

Note: The cost estimate (budget) shall be based on the assessment of the resources needed to carry out the assignment; staff time, logistical support and physical inputs (for example, vehicles, laboratory equipment, etc.). The cost of study should be indicated in absolute monetary terms on turnkey basis.