

Ad 2/2010: Detailed Advertisement, Recruitment Rules and Application Blank

(Ad: 2/2010)

WANTED : SENIOR R & D CONSULTANTS

- Machinery / processes for decentralised khadi & textile
- Food processing / packaging with focus on value addition to agri-products (soya, orange etc.)
- Advanced quality testing of chemical products / dev. of chemical products / processes
- Innovation / Design / Marketing in craft
- Design of Housing Elements / Modular Houses
- Web-support to Micro industries / small industries
- Software based administration and accounting

For details/job specifications / terms see www.mgiri.org
Director

Mahatma Gandhi Institute for Rural Industrialization
(A National Institute under the Min of MSME)
Maganwadi, Wardha - 442 001, M.S. Ph: 07152-253512-13
Email: director.mgiri@gmail.com Mob. 9443137938

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Mahatma Gandhi Institute for Rural Industrialization
(A National Institute under Ministry of MSME, Govt. of India)
MGIRI Campus,
Maganwadi
Wardha 442001

Invitation for

Expression of Interest (EOI) in "Consultant Post" for any of the following areas:

- i) For upgrading the Process and Machinery design for decentralized Kadhi & Textile
- ii) Food processing / packaging with focus on value addition to agri-products (soya, range etc.)
- iii) Advanced quality testing of chemical products / dev. of chemical products / processes
- iv) Innovation / Design / Marketing in craft
- v) Design of Housing Elements / Modular Houses
- vi) Web-support to Micro industries / small industries
- vii) Software based administration and accounting

January 2010

Invitation for Expression of Interest

The Institute proposes to avail the services of a Competent Individual to upgrade and manage the above said areas.

Expression of Interest (EOI) for this purpose are invited from parties from interested parties. It may be noted that this is an invitation for expression of interest and it should not be construed as the Tender/ Request for Proposal (RFP) in any form and would not be binding on the Institution in any manner whatsoever.

1. Sealed EOI prepared in accordance with the procedure enumerated in this document should be submitted to the Director, Mahatma Gandhi Institute for Rural Industrialization, MGIRI Campus, Wardha in the Proforma given in the Annexure-I as per Schedule given below

- a. Name of the Purchaser:
Director

- b. Address and Address at which EOI is to be Submitted
Mahatma Gandhi Institute for Rural
Industrialization,
MGIRI Campus
Maganwadi
Wardha 442001.

- c. Latest time and date for receipt of EOI
By 10th Mar 2010 @ 17:00 hrs IST

- d. Name of the Contact Person for any clarification
Dr T Karunakaran
Director
Mahatma Gandhi Institute for Rural
Industrialization
MGIRI Campus
Maganwadi
Wardha 442001
Email: Director.mgiri@gmail.com
drtkarunakaran@yahoo.co.uk
Phone: 07152-253512/13
Mobile:09443137938 /09370914474

- e. Date till which the EOI should be Valid
180 days from the date

2. The application should be accompanied with the following documents:
 - i. A write-up on the understanding of the assignment (not more than four pages)
 - ii. A capability statement (not more than five pages) demonstrating experience in the above said area in the Premier Institutions /Private or Public Sector Organizations.
 - iii. CV's of key consultants proposed to provide service for this contract (not more than two pages for each CV).

3. Areas in which Consultants are needed :
 - a) Upgrading Process and Machinery design for decentralized Kadhi and Textile with supporting evidence.
 - b) Innovation in Food / processing / packaging with focus on value addition to agri-products (soya, orange etc.)
 - c) Advanced quality testing of chemical products / dev. of chemical products / processes.
 - d) Innovation / Design / Marketing in craft.
 - e) Design of Housing Elements / Modular Houses.
 - f) Web-support to Micro industries / small industries.
 - g) Software based administration and accounting.

4. MGIRI, started functioning as an autonomous institute under the Ministry of MSME with effect from Oct. 2008, it had its genesis in an institute started by Mahatma Gandhi during the freedom struggle. Bapuji, after withdrawing his active role in Congress (1931), decided to dedicate himself to rural reconstruction for which he considered the revival of village industries fundamental. He established the All India Village Industries Association (AIVIA) in 1934 with Dr J C Kumarappa as its Organiser and Secretary. The 16 acre Maganwadi campus, where presently MGIRI is functioning, became the venue for hundreds of artisans from across the country to share, synthesize and evolve improved techniques related to rural products - be it oil, clothes, paper or cosmetic items. Gandhiji involved international scientists Sir C V Raman, Dr J C Bose along with top-notch industrialists like Mr G D Birla in the advisory Committee of AIVIA thus sending a message that Rural Industrialisation needs the highest level of Science Technology and Industrial

Management. After 22 years of relentless efforts by stalwarts like Dr J C Kumarappa, Dr Devendrakumar, Dr G Ramachandran and others a national effort to replicate the ideas of AIVIA resulted in the creation of the KVIB in 1953 and the KVIC in 1956. The KVIC took upon itself the task of continuing the efforts of AIVIA in the form of an R&D structure called Jamanalal Bajaj Central Research Institute (JBCRI) in the same venue. The JBCRI was created in 1956 through an act of Parliament and strived to provide the needed backup to the rural industries of India. This structure of visualising the rural industries in terms of about twenty and odd activities like khadi, khandsari, handmade paper, soap, leather, carpentry etc. could not cover the range of products in the inventory of modern consumerist world. The Ramakrishnaiah Committee (1987) recommended that any product could be considered as rural as long as the concerned industry has a per capita investment of Rs 50,000 (now raised to Rs 1,00,000 and Rs 1,50,000 for the tribal areas) and is located in a habitat with population less than 20,000 (now raised to 50,000).

The paradigm shift, as explained above, needed an institute capable of dealing with a large number of technologies and industrial contexts involving myriads of materials, manufacturing processes and consumer oriented designs. A 'hub and spokes' model was considered essential and thus MGIRI was established (by revamping the JBCRI) as a hub linking the rural industries with a network of specialized S&T and management institutions. The entire project of establishment and trial-run took nearly 8 years (2001 to 2008) and was a collaborative effort of the KVIC with IIT Delhi.

5. MGIRI has proposed this engagement to bring in a innovative design and process changes which would help the rural enterprises to reach world level competence and to stand up in the area of globalisation.
6. Therefore MGIRI wishes to engage the services of Individuals to help its departments in meeting its efforts in Science and technology intervention innovation and quality guidance.

7. Expectation from the Consultants.

SN	Consultants position (Core expertise)	Basic Role (objective of the consultant)	Outline of task and expected output	Qualifications
1	Machinery / Processes for decentralised khadi & textile	MGIRI is interested in reviving the khadi sector's market share and earning capacity of artisans. For this machineries / processes need to be redesigned to suit micro and small industries sector. The entire direction could be termed as 'community-scaling of khadi / textile technology'. The role of the Consultant is to lead the innovation process.	The Consultant should be able to handle a few of the following: <ul style="list-style-type: none"> Decentralised (community scale) pre-spinning machines-simplification, cost reduction, possible other innovation. Ergonomic redesign of Charkha using value engineering and incorporating modern components / materials. Further improving loom to make productivity enhanced by 50 % Related entrepreneurial aspects 	B.E/B. Tech (Textile), M.E/M. Tech/MS (Textile), Ph. D. (Textile).
2	Food / processing / packaging with focus on value addition to agri-products (soya, orange etc.)	MGIRI's 'Agrindus' approach aims to enable the farmer to enhance his profit by at least one stage of value addition by forming into appropriate federation and using 'community-scaled' version of machineries. The role of the Consultant will be to identify machineries / processes from existing labs / institutions and carry out the necessary moderations in terms of scale reduction, compatibility with quality regimes etc.	<ul style="list-style-type: none"> Innovative food products / herbal products (Nurtraceuticals etc.)/ aromatics Industrialization related issues like quality control, advanced facilities including packaging Crucial machineries / processes New directions with massive employment potential 	B. E/B. Tech (Agriculture / Bio-chemistry / Bio-Technology / Chemical /Production / Industrial), M.E /M. Tech/ MS (Agriculture / Bio-chemistry / Bio-Technology / Chemical /Production / Industrial), M. Sc ((Agriculture / Bio-chemistry / Bio-Technology / Dairy- Technology / Food Technology / Microbiology), Ph. D. (Agriculture / Bio-chemistry / Bio-Technology / Chemical /Production / Industrial / Dairy-Technology / Food Technology)
3	Advanced quality testing of chemical products / dev. of chemical products / processes	MGIRI is a model quality testing cum quality guidance centre with focus on chemical products, food and bio-process based products and textile products. The role of the Consultant will be to bring the labs to the level of NABL- accredited lab and make necessary systems for its effective functioning.	<ul style="list-style-type: none"> Systematising a quality control lab and linking with prominent user sectors New categories of chemical industries (micro/small scale) fitting into existing KVIC etc. schemes and with potential of generating large scale employment Reduced scale and simplified processes / plant and machinery and strategies (compatible with quality aspirations)to make them available to the rural enterprises 	B.E. / B. Tech (Chemical), M.E/M. Tech/MS (Chemical), M.Sc (Chemistry / Food Chemistry), Ph. D. (Chemical / Chemistry / Food Technology).

4	Innovation / Design / Marketing in craft	<p>MGIRI's objective is to look into the techno-organisational aspects of craft directions having potential of generating large scale rural employment. While on the one hand it would attempt S & T intervention to alleviate problems related to material, finish, energy, productivity, quality etc. it will also attempt organizational interventions like common facilities / advanced facilities, micro industrial clusters, ICT support etc.</p> <p>The role of the Consultant will be to provide higher level inputs including roadmaps, policies, quality norms, organization strategy etc. to achieve enhanced national targets of product excellence, employment, enhanced export etc.</p>	<p>Consultant should involve in two or more of the following:</p> <ul style="list-style-type: none"> ▪ Working with specific craft clusters with products like khadi fabric, terracotta & ceramics, turn-wood craft, dokhara metal craft to enable them to attain global competence. ▪ Working out specific S & T intervention strategy for the employment intensive crafts of Vidarbha, North-East etc. region. ▪ Working out innovative marketing strategies 	<p>B.E / B. Tech (Ceramics / Production / Industrial), M.E / M. Tech / MS (Ceramics / Production / Industrial), M. Sc, Ph. D. (Production / Industrial).</p>
5	Design of Housing Elements / Modular Houses	<p>With the national objective of slum clearance and with the efforts of states to create lakhs of houses (TN: 10 lakhs; MS:10 Lakhs) for Economically Weaker Sections (EWS), Low Income Group(LIG) etc. MGIRI's interest will be to create more Micro and Small Industries created in the 'Housing Element Sector'.</p> <p>MGIRI's interest is threefold:</p> <ul style="list-style-type: none"> - To come up with modular designs that could be assembled through prefabricated housing elements compatible to local materials and resistive to earthquakes etc. - High quality prefabrication should be possible through SHGs / micro industries through the most appropriate man-machine systems - Should incorporate sustainability ideas like solar energy use, water recycling, passive cooling, minimising materials, re-usability of the sub-systems, waste recycling etc. <p>in such way that the overall cost</p>	<ul style="list-style-type: none"> ▪ Working with Architects to evolve modular designs for the relevant beneficiary sectors ▪ Coming up with about 100 viable housing elements applicable in specific zones; working out manufacturing methods and associated moulds / jigs / machineries; working out strategies for bringing the above to the relevant small / micro industries and SHG based units 	<p>B.E / B. Tech (civil), M.E / M. Tech / MS (civil), Ph. D. (Architecture / Civil / Systems).</p>

		<p>of the house / rural structure becomes around 50 % achieved partly through the prefab approach, faster construction and 'self help' approach.</p> <p>The role of the Consultant will be to provide guidance for the modular designs, prefab process and the ultimate formulation of schemes under PMEGP etc.</p>		
6	Web-support to Micro industries / small industries	<p>To facilitate forward, backward and lateral linkages through web support; to develop affordable administrative / managerial software to help the micro industries and small industries to reduce overhead and increase profit.</p> <p>The role of the Consultant will be to identify the need and to fulfil the same with focus on unorganised sector, micro and small industries sector.</p>	<ul style="list-style-type: none"> ▪ To identify the need and to fulfil the same with focus on unorganised sector, micro and small industries sector. 	MCA, B.E/B. Tech (Computers), M.E/M. Tech/MS (Computers), M.Sc (Computers), PGDCA
7	Software based administration and accounting	<p>The role of the Consultant will be to help implement software based administration in MGIRI itself for managing its establishment, services and consultancy works, sponsored projects and its networked functioning with other national institutions to provide guidance to the MSME sector.</p>	<p>For details about MGIRI kindly refer www.mgiri.org</p>	MBA (Finance / General Management & Small Business / Systems), MCA, M.Com, B.E/B. Tech (Computers / Production / Industrial)

8. Time Frame of the Assignment

- i. The assignment is envisaged to be for a period of one/two Yrs. or for shorter periods. However, the performance of the selected consultant will be reviewed at the end of the first 6 months of the contract execution for mid term correction . If un satisfactory the contract may be terminated. The Consultants shall submit a detailed work plan within Thirty days from award of contract with detailed plans of action . The selected consultants are expected to work closely with the concerned authority in MGIRI and persons nominated by the concerned authority in MGIRI for the smooth execution of this assignment. Extension of the assignment beyond a period mentioned above will be subject to satisfactory performance of the consultants on the points mentioned under the heading 'Expectations from the Consultants' and

other tasks and initiatives as discussed and mutually agreed upon by MGIRI and the selected consultant.

9. Qualifications of the Consultant

- a) Such Consultants expressing the interest will be shortlisted who either singly or in association with others are capable of rendering high degree of professional services in the fields of work mentioned above and such short listed consultants may be invited later to submit their consultancy proposals. Among other things, the Consultant should broadly fulfil the following criteria;
 - i. Should be an Individual of national and international repute having performed at the level of National Institutions / Enterprises.
 - ii. Should be an individual contributor and must be also be able to work with a team and executed work of this nature.
 - iii. Should successfully demonstrate the ability, and have in its team the key technical resources required to deliver on each point outlined in the paragraph 'Expectations from the Consultants' mentioned above.

10. Tender Methodology

- a. The tender methodology proposal to be adopted will be in two stages comprising Expression of Interest in the first stage. The second stage of tendering process will comprise inviting techno - commercial bids. The evaluation procedure for the tendering process would follow the Quality-cum-Cost Based System (QCBS). The costs associated with the preparation and submission of the response to the EOI and RFP shall be borne by the bidder.

11. General terms & Conditions

- 1) Terms of reference for this EOI are as follows
 - a. Only short listed Consultants will be issued Request for Proposal document with an invitation to submit Technical and Financial Bid
 - b. MGIRI reserves the right to cancel /re-tender this consultant procurement process if the necessity so arises. It also reserves the right to seek further information/details.
 - c. Firms/organizations if found to have indulged in any corrupt or fraudulent practices will have their EOI document not taken up for consideration
- 2) The purchaser will not be responsible for non receipt/ non delivery of the Bid document due to any reason whatsoever.

Annexure-I

PRESCRIBED PROFORMA OF APPLICATION

Applied for the Post of -----

1) Full Name (In capital letters):
(Surname) (First Name) (Father's /Husband's Name)

2) Date of Birth (Age as on / / /2010):

3) Sex:

4) Nationality:

5) Religion:

6) Whether belongs to SC/ST/OBC/OH:

7) Languages known (written and spoken):

8) Present address with Pin Code Number :

9) Permanent address with Pin Code number

10) Contact details:

Phone No (with STD code)-----

Mobile No.-----

Email:-----

11) Educational Qualification
(in chronological order starting from minimum qualification)

S No	Name of the examination passed	Name of University/ Board	Year of Passing	Secured Marks/ Total Marks	Percentage of Marks/ Rank/ distinction

12) Professional /Technical Qualification:

S No	Name of the examination passed	Name of University/ Board	Year of Passing	Secured Marks/ Total Marks	Percentage of Marks/ Rank/ distinction

13) Experience in years:-

(Particulars of all previous and present employment are to be furnished)

14) Nature of present Employment:- (Contract/ Permanent)

15) Whether working under State Govt. /Z.:P.

If yes current roles & responsibilities:-

16) Present total emoluments: -

17) RESPONSE IN RESPECT OF `` EXPECTATION FROM THE CONSULTANT`` (kindly see item 7 in the EOI and write your suitability in respect of the Expectation (may use separate sheets)

DECLARATION

I ----- hereby declare that the information furnished above is true, complete and correct to the best of my knowledge and belief. I undersign that in the event of my information being found false or incorrect at any stage, my candidature/ appointment shall be liable to cancellation/ termination without notice or any compensation in lieu thereof.

Date:-

Place:-

Signature