

KITCO Ltd Femith's, PB No.4407 Puthiya Road, NH Bypass, Vennala Cochin-682 028, Kerala, India

Letter No. 2993:BP:SM:2019 dt 19 Jul 19

INVITATION OF EXPRESSION OF INTEREST (EOI) FOR EMPANELMENT OF FIRMS/INDIVIDUALS AS CONSULTANTS/ADVISORS/ASSOCIATES

<u>Introduction</u>

1. KITCO Ltd, established in 1972, is a union government company with 47 years of experience. It is a multi-disciplinary, multi-dimensional organisation offering consultancy services from concept to commissioning in architectural, engineering, technical, management and financial sectors. The spectrum of services includes Techno Economic Feasibility Studies, Detailed Project Reports, Project Consultancy, Master planning, Detailed Design and Engineering, Contract Management, Project Management Consultancy (PMC), Environmental Engineering Studies, Asset Valuation, Facility Management Services, Fund Facilitation, Project Appraisal. Corporate Debt Restructuring (CDR), Transaction Advisory, Recruitment, Training & Development etc. It has immense experience in preparing DPRs for 3500 projects and extending consultancy services for over 1000 projects for Airports, Ports, Mobility Hubs, Roads, Bridges, Highways, Urban Infrastructure, Water & Waste Water, Tourism, Leisure, Sports, Manufacturing Facilities, Industrial Parks, Medical Colleges, Speciality Hospitals. Educational Institutions. Defence Establishments, Shipyards, Marina etc. We have a competent team of more than 250 well qualified and experienced professionals in various branches of Engineering, Architecture, Environmental Engineering, Finance, Legal Management, Marketing, Economics etc and specialists in logistics, Health, Horticulture, transport planning, shipping etc. A few of our major clients include Airport Authority of India, Air India, HAL. BEL. Cochin Shipvard Limited. Cochin International Airport Limited. Kannur International Airport Limited, Spices board etc.

Requirement

- 2. In order to cater the versatile clientele requirements, the company is looking for expert advisory support from firms/individuals in various specific domains. Therefore, KITCO Ltd invites EOI from eligible Engineering Consultancy firms/ Individual Consultants/ Domain Experts for providing expert advisory/specific consultancy services in the various discipline as indicated below:-
 - (a) Aviation
 - (b) Ports & Logistics
 - (c) Process Engineering
 - (d) Infrastructure & Urban
 - (e) Sports & Tourism
 - (f) Water & Waste water Management
 - (a) Mobility
 - (h) Management & Financial Consultancy
 - (i) Human Resource & Training
 - (j) Technology Services
 - (k) Environmental Engineering

Submission of EOI

- 3. Full details of the required services will be available on the company portal at www.kitco.in. KITCO ltd reserves the right to amend, add or delete any such requirements from time to time, based on the new project requirements. All such changes will be published on the company web portal only and no news paper advertisement will be issued in this regard. Any such changes in case of the services where service providers/individuals have already been empanelled, will be communicated to such individuals/firms and a fresh empanelling will be followed based on the individuals/firms response.
- 4. The proposals duly completed as per prescribed format along with the documentary proof may be forwarded to the head office of KITCO Ltd, Femith's, PB No.4407 Puthiya Road, NH Bypass, Vennala Cochin-682 028, Kerala, India. The envelop containing the application should be marked 'EOI for Empanelment'. Applications may also be sent by email: mail@kitco.in. Please note that no time limit has been specified for sending the EOI for the empanelling process. However, for awarding a specific work, the agencies/individual empanelled till that date only will be considered. On receipt of the documents, KITCO Ltd will verify the documents and a confirmation will be forwarded to the individuals/firms, if the EOI documents have been found to be in order and the individuals/firms has been accepted for empanelment of the subject category of service. Such communications shall be forwarded through email only. Incomplete/conditional offer shall be rejected summarily.

Conditions of EOI

- 5. Subject Empanelment of agencies/individuals through this Application for Empanelment shall be for a period of three years from the date of empanelment. On completion of the three years period of successful empanelment, the same may be extended/ renewed for another one year at the discretion of KITCO Ltd, based on the satisfactory performance of the agency and on mutual agreement.
- 6. At this stage, there will be only technical empanelment of the agencies/individuals with KITCO Ltd & no price bids are to be submitted. As and when any such requirement arises during the empanelled period, KITCO Ltd will identify the eligible agencies for that specific requirement and a price quote will be requested from the identified suitable agencies/individuals.
- 7. Please note the following:
 - (a) Applications from consortium/Association are not acceptable.
 - (b) Empanelment as such does not guarantee award of assignments by KITCO
 - (c) Entrustment of assignment is subject to periodical review by KITCO
 - (d) KITCO reserves the right to delete/cancel the empanelment/stop awarding future assignments without prior notice or assigning any reasons whatsoever
 - (e) The assignments shall be conducted on the basis of accepted principles as also the criteria/terms of reference specified by KITCO from time to time
 - (f) On award of assignments, the fime/individual will have to sign a contract with KITCO Ltd on a case to case basis.

- 8. This EOI for Empanelment does not constitute an offer and is issued with no guarantee for any definite volume of work or any particular service at any time or throughout the period of empanelment, as the job will be allocated against KITCO Ltd's requirement from time to time.
- 9. The EOI for Empanelment completed in all respect must be submitted as per the instructions furnished and in the prescribed format along with copies of documents in support of information wherever applicable before the last date and time of submission of EOI for Empanelment.
- 10. KITCO reserves the right to modify, expand, restrict, scrap, re-float or cancel the EOI at any stage without assigning any reasons. Application for EOI received after the stipulated time period for empanelment will not be considered.

Mandatory Details

- 11. Requirements of advisors/firms/associates for various positions in the organisation is placed as <u>Annexure A.</u> All applicants shall verify the eligibility criteria vis-à-vis each requirement, before applying for the empanelment. Any clarifications required in this regard may be mailed to <u>mail@kitco.in</u> with a subject tag of 'EOI for Empanelment'.
- 12. It is required to submit the following documents for processing the empanelment application:-

Firms:

- (a) Self attested copies of proof of experience as per Annexure A.
- (b) A covering letter as per the format in Annexure B.
- (c) Information about the firm/individual as per format in Annexure C.
- (d) Firms/agencies to submit Organisational details as per Annexure D.
- (e) Firms/agencies to submit an affidavit as per Annexure E.
- (f) Non-black listed declaration as per Annexure F.

Individual Experts

- (a) Self attested copies of proof of experience as per Annexure A.
- (b) A covering letter as per the format in Annexure B.
- (c) Individual to submit an affidavit as per Annexure E
- 13. Any clarification/correspondence in this regard may be forwarded to mail@kitco.in (Please mention EOI for Empanelment as the heading).
- 14. Please note that any new requirements/changes etc in the Empanelment will only be published on the company portal www.kitco.in and no further advertisement in news papers will be issued for the same.

KITCO Ltd 19 July 19

<u>Annexures</u>

Annexure A – Detailed Requirement of services with Pre Qualifications Criteria

Annexure B – Covering letter Format

Annexure C - Information about the firm/individual format

Annexure D - Firms/agencies to submit Organisational details format

Annexure E - Firms/agencies to submit an affidavit format

Annexure F – Non Black Listed Declaration

CHANGES / ADDITIONS

New Requirements -

No	Details of Requirement	End Date (if any)	Page No
1	Public Relations Officer (PRO)	30 Sep 19	27
2	Advocates/Legal advisors	30 Sep 19	28
3	Expert - Minerals and Metals processing	-	29
4	Expert - Process & Utility Piping	-	29
5	Expert – Instrumentation	-	29
6	Expert - Industrial Reverse Osmosis Plant	-	29

Deleted/Change -

No	Details of Requirement	Change	Page No
1	Expert - Industrial Reverse Osmosis Plant	PQ amended 09 Oct 19	29
2	Public Relations Officer (PRO)	Deleted (Date Expired)	27
3	Legal Advisors	Deleted (Date Expired)	28

REQUIREMENT DETAILS

PORTS DEPARTMENT	Page	PROCESS DEPARTMENT	Page
Shipyard and Port Expert	7	Advisor- Process Engineering	8
Inland waterway Expert	7	Advisor - Offshore Platform	8
Planning & Infrastructure Specialist	7	Advisor - Setting up Pharma Plants	8
Hydrographic Expert	7	BIMS Expert	8
Traffic Expert (Water)	7	Industry 4.0 Expert	8
HEALTHCARE DEPARTMENT		Abattoir Expert	8
Hospital planner	9	Mining Expert	8
Biomedical Engineer	9	Advisor - Business Development	8
Public health expert	9	HUMAN RESOURCE DEPARTMENT	<u>r</u>
URBAN/INFRASTRUCTURE		HR Consultants	15
Traffic Expert (Road)	9	Printing/Scanning OMR sheets	15
Transport Planning Expert	10	Training Partners	15
Chief Highway Design Engineer	10	Recruiting Agencies	16
Senior Transport Planner	10	Business Associates	16
Senior Traffic Engineer	10	AVIATION DEPARTMENT	
Senior Highway Engineer	10	Jet Blast Deflector Designer	17
Senior Geotechnical Engineer	10	OLS Survey experts	17
Utility Expert	11	Interior Design/ Fascade Consultants	17
Land Acquisition Expert	11		
WATER/ WASTE WATER /TECHNICAL SERVICES			
Water supply expert	17	Asset Valuation	18
Environmental Expert	18	Document Writer	18
Water /Effluent Analysis Experts	18	Energy Audit	18
INFORMATION TECHNOLOGY/ELV		Renewable energy expert	18
IT security Audit	19	DESIGN DEPARTMENT	
SAP consultant	19	Detailing & Drafting	21
Digital marketing/ Social Media Expert	19	Structural design	22
ICT/ ELV Consultants	20	3D Modelling /Walkthroughs	22
RAILWAYS/MOBILITY/SPORTS		ENVIRONMENT DEPARTMENT	
Technical Expert – Railway	12	Environmental Monitoring for EIA studies	22
Technical Expert Track / Artificial Turfing	12	Numerical Modelling for Marine studies	23
GENERAL		Aquatic studies as part of EIA	24
Soil Investigation	11	Functional Area Experts for EIA Studies	24
Topographical Survey	11	EIA Coordinator	25
2D/ 3D modelling design with rendering	13	GIS Expert	25
Town / Urban development/ Master planning	13	Marine Engineer	25
Environment Impact Assessment	13	R&R Specialist	25
Green building	14	Stakeholder Consultation Expert	25
Advisor (Electrical)	20	IGBS Griha Certified Architect	25
Advisor (Architecture)	21	Navigation Expert	25
Advisor (Structure)	21	PROCESS DEPARTMENT (NEW	<u>/)</u>
Advisor (Plumbing)	21	Expert - Minerals and Metals processing	29
Project Management Consultancy Services	26	Expert - Process & Utility Piping	29
Blank Page	27	Expert - Instrumentation	29
Blank Page	28	Expert - Industrial RO Plant	29

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REQUIREMENT OF ADVISORS/ EXPERTS: PORTS DEPARTMENT

	Dogwinomont	Minimum experience	Educational Qualification		
	Requirement		Mandatory	Desirable	
1	Shipyard and Port Expert	A minimum of 20-25 years Specialization in Port /Coastal / Ocean Engineering with experience in execution of Projects for development of Shipyards, Jetties, Marine infrastructure, Slipways and Dry-docks	B. Tech / B.E. in Civil Engineering, Preferred Qualification	Masters in Structural design / Ports & Harbour / Dock	
2	Inland waterway Expert	A minimum of 20 years of total experience out of which at least 15 years relevant experience in concept & detailed design, preparing Detailed Project Report / Feasibility Report for various Waterway / Port / IWT and allied infrastructure projects.	B. Tech / B.E. in Civil Engineering, Preferred Qualification	Masters in Structural design / Ports & Harbour / Dock	
3	Planning & Infrastructure Specialist	A minimum of 15 years of total experience out of which at least10 years relevant experience in Port & Harbour / IWT Terminal Planning, Port & Harbour / IWT Infrastructure Planning and development of physical activities for operations	B. Tech / B.E. in Civil Engineering, Preferred Qualification	Post Graduate Diploma in Project Management	
4	Hydrographic Expert	A minimum of 12 years total experience out of which 10 years relevant experience in related field. He / She should have experience of soil investigation, reclamation work, soil improvement and foundation design	ITI in Survey / Diploma in Civil Engineering, Preferred Qualification — Higher Qualification in Hydrography Survey.		
5	Traffic Expert (Water)	A minimum of 10 years of total experience out of which 8 years of relevant experience in transport, logistic projects and operations, involving river and or maritime transport	Graduate in Engineering / Economics, Preferred Qualification - Master's degree in Transport Economics or Engineering or Logistics.		

REQUIREMENT OF ADVISORS/ EXPERTS : PROCESS DEPARTMENT

	D4	Minimum	Educational	Qualification
	Requirement	Minimum experience	Mandatory	Desirable
1	Advisor- Process Engineering	A minimum of 20 Years of experience in leading Process Design of major projects	B. Tech/ M. Tech in Chemical Engineering	Experience in major Consultancy Organisations like EIL,Mecon, PDIL, FEDO
2	Advisor - Offshore Platform Redesign/Living Quarter Revamp	A minimum of 20 years of total experience out of which at least 15 years relevant experience in concept & detailed design, preparing Detailed Project Report / Feasibility Report for various Waterway / Port / IWT and allied infrastructure projects.	25 years of experience in leading Offshore Platform Design Teams	Experience in major Consultancies like EIL,Mecon, PDIL, FEDO Desirable
3	Advisor - Setting up of Pharma Plants	A minimum of 25 years of experience in leading Project Design Team for Setting up of Pharma Plants	B. Tech/ M. Tech in Chemical/Mechanical Engineering	Experience of working with International Clients &setting up of International Plants
4	BIMS Expert	A minimum of 25 years of experience in BIMS	B. Tech/ M. Tech in Civil/Mechanical Engineering	Experience of working with International Clients Desirable
5	Industry 4.0 Expert	A minimum of 25 years of Experience with International Clients Desirable	B. Tech/ M. Tech in Mechanical/Industrial Engineering	Should have experience in setting up of Industry 4.0 Process/Assembly/Industrial Plants
6	Abattoir Expert	A minimum of 25 years of experience in setting up of Abattoirs	B. Tech/ M. Tech in Mechanical/Chemical Engineering	Experience in setting up of Abattoir preferably for International Clients
7	Mining Expert	Minimum five years of Experience in managing Mines and related Downstream Industries	B. Tech/ M. Tech in Mechanical/Mining Engineering	Ex- Directors from NMBD, Coal India, etc
8	Advisor - Business Development	Experience of serving as Managing Director/Director Board of major PSUs like ONGC, IOCL, BPCL, HPCL, Oil India, BEL, NTPC	Post-Graduation	

REQUIREMENT OF ADVISORS/ EXPERTS: HEALTHCARE DEPARTMENT

	Dogwinsmont	Minimum aynanianaa	Educational	Qualification
	Requirement	Minimum experience	Mandatory	Desirable
1	Hospital planner	Minimum 05 years of experience of leading team of consultants to complete planning and design of at least two hospitals of minimum 200 bed capacity each.	MBBS Degree with MHA (Master of Hospital Administration) or MBBS Degree with M.Phil (Hospital and Health system management)	
2	Biomedical Engineer	Minimum 05 years of experience as Bio Medical Engineer in a Hospital or Firm	Bachelor in Engineering in one of the following technical streams – Biomedical, Mechanical, Instrumentation, Electrical or Electronics.	
3	Public health expert	Public Health expert with experience of Comprehensive DH planning.	Any educational qualification having experience of National health programme	

REQUIREMENT OF ADVISORS/ EXPERTS: URBAN/INFRASTRUCTURE

	Dogwinson and	Minimum our orion of	Minimum experience Educational (
	Requirement		Mandatory	Desirable
1	Traffic Expert (Road)	 (a) 10 years of relevant experience in transport, logistic projects and operations. (b) Experience with conducting traffic surveys and O-D surveys. (c) Experience with conducting roadway capacity analysis and urban traffic simulations. (d) The applicant should not have been back listed by any Government organization at the time of submission of the EOI application 	Graduate in Engineering / Economics, Preferred Qualification - Master's degree in Transport Economics or Engineering or Logistics.	Association with international/national professional organizations and Empanelment with other Govt organisation will be an added advantage.

2	Transport Planning Expert	 (a) 10 – 15 years of experience in transport planning (b) He should have led the transport planning teams for any two major Assignments in India during the last 10 years. 	Post Graduate in Traffic and/or Transport engineering/Planning	
3	Chief Highway Design Engineer	 (a) 15 – 25 years of experience in Experience in highway DPR projects and road construction projects (b) Should be able to Co-ordinate projects with client, leading the team in highway projects, procuring more highway projects in DPR/IE/AE categories 	M.E/ M.Tech in Highway/ Transportation Engineering	Knowledge of design softwares
4	Senior Transport Planner	(a) 10 - 15 years of Experience in transport planning, mass transit planning, transport modelling and city planning (b) Should be able to handle Bagging projects in planning sector, guiding the team in planning projects	M.E/ M.Tech in Transport Planing/ Urban Planning	Knowledge of planning and micro-simulation softwares – VISSIM/VISUM/CUBE
5	Senior Traffic Engineer	 (a) 10 - 15 years of Experience in highway traffic projects, traffic impact studies, road safety auditing (b) Should be capable to Conduct and coordinate traffic related studies 	M.E/ M.Tech in Traffic/ Transportation Engineering	Knowledge of traffic simulation and Junction analysis softwares – VISSIM / SYNCHRO
6	Senior Highway Engineer	 (a) 10-15 years of Experience in highway construction and site supervision (b) Should be capable to Co-ordinate highway projects, site supervision during construction, guidance in design 	B.Tech/ M.Tech in Civil/Highway/ Transportation Engineering	Knowledge of drafting and design softwares- AUTOCAD/ MxROAD/ CIVIL 3D/
7	Senior Geotechnical Engineer	(a) 10 – 15 years of Experience in foundation analysis, pavement design, retaining walls, and soil stabilisation	M.E/ M.Tech in Geotechnical Engineering	Knowledge of relevant softwares - Plaxis 2D & 3D, MSE Wall, GeoStudio, MATLAB

		(b) Should be capable to provide Guidance during geotechnical investigations, structural design, pavement design and highway design		
8	Utility Expert	(a) 10 -15 years of Experience in Utility shifting and coordination with utility departments for highway projects (b) Should be Responsible for assessing the need of Utility Shifting and preparing all the estimates for this. He shall coordinate with all relevant departments for this purpose	Graduate or equivalent in major engineering disciplines viz. Mechanical/ Electrical/ Civil engineering	Utility estimation and relocation/ erection of electric/ gas/ other utilities Desirable: Experience with utilities along the highway/road.
9	Land Acquisition Expert	 (a) 10 – 15 years of Experience in land acquisition and coordination with Revenue departments for highway projects (b) Should be responsible for preparing land acquisition plans and working out land acquisition costs 	Graduate/ Post Graduate in relevant discipline	Deputy-Tehsildar or above Desirable: Ex- revenue officers like Ex-ADM/SDM, Ex- Tehsildar, Ex-Deputy- Tehsildar etc

REQUIREMENT OF CONSULTANCY SERVICES: GENERAL

	Doguiroment	Minimum experience	Qualification	
	Requirement	William experience	Mandatory	Desirable
1	Soil Investigation	(a) The agency should have a minimum five years of experience in sectors like Airports/Railways/Sports/Infrastructure/National Highways etc in the following areas: - (i) Carrying out site survey, soil investigations, hydrological investigations, etc (ii) Recommending type of soil stabilization, soil protection systems and type of foundation.	Should have done at-least two such major works in the last three years for any major projects with the Airports/Railways /Sports/Infrastructure /National Highways etc	The firm should indicate the sectors where they have core expertise for the subject assignment and regions where they have presence (Ex Pan India, North, North-East etc)
2	Topographical Survey	(a) The agency should have a minimum five	Should have done at-least two	The firm should indicate the
	1 opograpinour burvoy	years of following experience in sectors like	such major works in the last	sectors where they have core

		Airports/Railways/Sports/Infrastructure/National Highways etc in the following areas: - (i) Preparation of area maps (ii) Preparation of Contour maps (iii) Construction of Temporary bench marks	three years for any major projects with the Airports/Railways /Sports/Infrastructure /National Highways etc	expertise for the subject assignment and regions where they have presence (Ex Pan India, North, North- East etc)
			latest survey equipment and should be able to use them for various survey tasks.	
3	Technical Expert – Railway	Minimum five year of experience in the following: - (a) suggesting various schemes for the development of the railway station, preparing conceptual plans, advising on feasibility of exploitation of full FSI of permitted by local authorities and suggest IRSDC on various development norms related matters while conceptualizing the master plan of development of railway station. (b) Preparation of typical schematic plans for various situations on the new/existing stations/ bus terminal. (c) Conceptualising the Master Plan of the Station, and Concept Plan with its sections along with its Architecture, façade and provide expert input at every stage of design and development. (d) Planning and layout of various elements of the railway station.	The Technical Expert should have provided expert services for Development of a railway station, metro station, LRT, Mono-rail, High speed rail, bus terminal/ station, airport, Multi Modal Transit Hub and having an estimated capital cost (excluding land) of at least Rs. 50 Crore.	
4	Technical Expert for the Track works and Artificial Turfing works - Veterans in the field	The agency should have experience in designing and installing indoor/outdoor tracks and artificial turfs for sports authority of India or any other State/Central Government/ PSUs in India.		

5	2D/ 3D modelling design with rendering	Minimum five years of experience in: (a) Preparation of Conceptual design and drawings with respect to interior design planning, finishing and furnishing work including 3D/walk through presentation in urban, infrastructure, airport, seaports, sports, healthcare sector.	Should have completed at- least two such major works in the last three years.	
6	Town planning/ Urban development/ Master planning	Minimum five years of experience in activities such as:- (a) Preparation of master plan, concept design, documents and drawings (b) Zoning and demarcation (c) Site evaluation, identifying and addressing social issues and heritage concerns (d) Planning for storm water collection/ drain system (e) Project Feasibility study (f) Environment impact study (g) Planning for Pedestrian / vehicular movement and parking (h) Urban renewal (i) Landscape and environmental issues (j) Architectural conservation (k) Street/ road design and signage design (l) Lighting (m) Solid Waste Management, Waste Water Management Plans	Should have done at-least two such major works in the last three years for any major corporates/PSUs/ Government bodies.	
7	Environment Impact Assessment	The firm should have a minimum of five years experience in :- (a) Undertaking environmental studies and obtaining environmental clearances from statutory authorities. (b) Environment Approvals for various infrastructure projects.	Should have done at-least two such major works in the last three years for any major corporates/PSUs/airports Government bodies.	

		(c) Determination of baseline data using		
		primary data generation and secondary data		
		available from various government published		
		reports on air, meteorology, water, soil, flora &		
		fauna, socio-economics, infrastructure, sensitive		
		areas		
		(d) Detailed description of all elements of the		
		project activities during the preconstruction,		
		construction and operational phases.		
		(e) Identification of the sources of pollution and		
		assessing the impacts on the environment due to		
		proposed project if any.		
		(f) Preparation of Environmental Impact		
		Assessment and Environmental Management		
		plan documents with recommendations on		
		preventive and imitative measures for limiting		
		the impact on environment		
		(g) Risk Assessment and Disaster Management		
		Plan describing the probable risks and		
		preventive &precautionary measures to be		
		followed in the event of		
		emergency situations such as accidents, fire etc		
		(h) Submittals & endorsement of conceptual		
		plan – checklist. Technical review by state		
		environment impact assessment authority.		
		Appraisal by state level expert appraisal		
		committee (SEAC).		
		(a) The consultant shall have substantial		
		experience in the field of Green Building design,	Chall have an a control of	
0	Crear huilding	documentation etc.	Shall have an experience of	
8	Green building	(b) The consultants shall have worked on at least	similar nature of work of at	
		one certified green building project and shall	least 5 years.	
		have at least one ongoing registered project with		
		built-up area more than 1,00,000 Sq. ft.		

	(c) The consultants shall have at least one LEED AP or IGBC AP or GRIHA TRAINER OR GRIHA EVALUATOR in their team. Equally qualified or experienced person is also eligible	

REQUIREMENT OF ADVISORS/ EXPERTS/FIRMS: HUMAN RESOURCE DEPARTMENT

	Requirement	Minimum experience	Desirable
1	HR Consultants	 (a) At least five years of experience in providing HR Consultancy Services to Organisations in the private/ public /government sectors. (b) Average annual turnover of Rs. 1 Cr. in the past three years. (c) Experience in HR consultancy services such as Performance Management, HR systems design, Competency Modelling, HR Audit, Job analysis and design, Employee Satisfaction Survey etc in organisations with 500 or more employees in the last three years. (d) Minimum three HR consultancy services each costing not less than Rs.5 lakhs or two similar works each costing not less that Rs.7.5 lakhs or one similar work costing not less than the Rs.10 lakhs. Completion certificate from the clients/ Work Order or certified invoice from end user need to be submitted. 	
2	Agencies for Printing, Supply and Scanning of OMR sheets	 (a) The agency should have at least five years' experience of doing similar work in Government Departments / PSUs. (b) The agency should have an average annual turnover of Rs. 50 lakhs year in the past three years. (c) The agency must have carried out OMR scanning for a minimum of 10 OMR scanning of which at least three tests should have a minimum of 10000 OMR sheets per test during the past three years. 	Agencies / organisations who are in the business of printing, supplying and scanning of OMR sheets and are interested in the empanelment with KITCO Ltd.
3	Empanelment of Training Partners	(a) The agency should have at least two years' experience in providing hands-on training to engineering graduates/ engineering students.(b) The agency should have an average annual turnover of Rs. 10 lakhs in the past two years.	Agencies / organisations who have been providing Skill development training in Engineering sectors and

		 (c) The agency must have carried out up-skilling training for a minimum of 500 candidates during the last two years. (d) The agency should have at least 10 resource persons/ Subject Experts to provide practical training to the trainees. (e) The agency must have adequate sets of safety gears, training kit, etc. for catering to a batch of 50 students at a time. 	are interested in the empanelment with KITCO Ltd for providing Up- skilling training for Engineers/ student engineers in branches such as Civil, Electrical, Mechanical, Chemical, Instrumentation etc.
4	Empanelment of Recruiting Agencies	 (a) The firm/ agency should have done a minimum of ten such recruitment for State/Central Government/PSUs in the last five years. (b) The agency shall be capable of providing recruitment services at locations outside Kerala. If the agency is not able to provide such services pan India, please mention the area where such services can be provided clearly while applying for empanelment. 	

REQUIREMENT OF ADVISORS/ EXPERTS/FIRMS : BUSINESS ASSOCIATES

	Requirement	Minimum experience	Desirable
1	Business Associates	The firm/individual who qualified the below conditions shall apply: (a) Individual/firms having regional presence for at least last 5 years track record of effective Networking and dealing with Central Ministries/ Departments/Organisations/CPSEs and State Govt (s) / Departments/Organisations/PSUs (b) Liaison for the company with the Central/ State Govts. Departments, CPSU's PSU's for business development. (c) To give inputs for emerging business opportunities in the region and materialising leads to projects (d) Providing Market Intelligence & Feedback (e) Facilitation for finalisation & Signing of Agreement with Client (f) Providing specialized manpower & office space as per Client Requirement (if required) (g) Facilitating Statutory Clearances from Authorities/Bodies(if required)	

(h) Project Supervision & Co-ordination (if required)	
(i) Follow up and Collection of payments due from Clients	
(j)Any other Services required in Project, not limited to above.	

REQUIREMENT OF ADVISORS/ EXPERTS: AVIATION

	Requirement	Minimum experience	Desirable
1	Jet Blast Deflector Designer	 (a) Minimum five years of experience in designing, manufacturing, delivering and installing Jet Blast Deflectors Ground Run-up Enclosures for runway/aircraft maintenance facilities at airports in India/abroad. (b) Should have executed at least two such satisfactory installations in India within the last five years. 	
2	OLS Survey experts	(a) Minimum five years experience in Obstacle Limitation Surfaces Survey as per mandatory requirement for development of a green airport and preparation of necessary documents including reports, maps, drawings etc for OLS as required by DGCA, ICAO and other concerned authority in India to obtain all necessary clearances and approvals needed for an airport project. (b) Should have completed at least two such satisfactory service for establishing Greenfield airport in India within the last five years. (c) Firm should be approved by AAI	
3	Interior Design/ Fascade Consultants for Airports	The firm should be an Architectural/ Interior Design Firm having consultancy experience in Interior Design/ Fascade for the common public spaces in 2 or more airports of project cost not less Rs.150 crore in the last 5 financial years	

REQUIREMENT OF ADVISORS/ EXPERTS: WATER & WASTE WATER DEPARTMENT

	Dogwinsmont	Dogwinoment Minimum evmenience	Educational Qualification	
	Requirement	Minimum experience	Mandatory	Desirable
		Public health Engineer with minimum15-		
1	Water supply expert	20 years of experience in design &	M Tech	
		implementation of water supply projects		

2	Environmental Expert	Chemical/Civil/Environmental Engineer with minimum15-20 years of experience in design & implementation of STP/ETP /Sewerage/solid waste management	B Tech/BE in Chemical/Civil/Environmental Engineering	Masters in Chemical/Civil/ Environmental Engineering
3	Asset Valuation	Certified Valuer with 5 years of experience in Buildings and infrastructure.	B Tech/BE	Proficiency in CAD and civil engineering estimation and Member ship with Institution of valuers will be preferred.
4	Water Analysis/Effluent Analysis Experts	(i) Should have a minimum of five years of experience in the field of water analysis/effluent analysis.(ii) Should be a PCB/Nabet accredited Laboratory.		
5	Document Writer	A minimum of five years experience in legal document writing for Government/ PSUs/Corporate organisations.	Authorised Certifications /Approvals for preparation of documents.	

REQUIREMENT OF ADVISORS/ EXPERTS: TECHNICAL SERVICES DEPARTMENT

	Dagwiroment	Minimum aynarianaa	Educational (Qualification
	Requirement	Minimum experience	Mandatory	Desirable
6	Energy Audit	(a) The agency/individual should have a minimum of 5 years experience of carrying out energy audit(b) Accredited Energy Auditor	B Tech /BE /Diploma (Electrical)	
7	Renewable energy expert	Should have provided consultancy services for a minimum one 10 MW or above solar power plant/ or two 8 MW or above solar power plant/ small hydro electric power station of 1 MW or above / windmill capacity of 500 KVA or above within the last 5 years.	BE/B Tech	

REQUIREMENT OF ADVISORS/ EXPERTS: INFORMATION TECHNOLOGY

	Requirement	Minimum experience	Desirable
1	IT security Audit	The firm should have a minimum of three years of experience in :- (a) review of IT Security Policy and recommending controls for adequacy as per the best practices visà-vis established IT Security frameworks outlined in standards such as COBIT, cyber security framework, ITIL, ISO27001 etc. (b) Conducting Penetration testing, Vulnerability assessment, application security assessment, and forensic auditing. (c) Should have personnel with information security related qualifications like Certified Information Systems Security Professional (CISSP), Certified Information Security Manager (CISM) of ISACA, Certified Information Systems Auditor (CISA) of ISACA, Diploma in Information Systems Audit (ISA or DISA) of ICAI	CERT-In empanelled firms will have preference for assignments in certain sectors.
2	SAP consultant	 (a) Candidates should have SAP Certification from SAP. Should have minimum 4 years post educational qualification experience (Please specify the module wise experience- This will be considered while choosing the consultant for specific assignments) (b) Bachelor's degree in Information Technology/ Computer Science/ Computer Application/ Management/ Science/ Commerce/ Economics from recognized University/ Institute 	
3	Digital marketing and Social Media Consultant	 (a) Firms having a minimum of two year experience in handling digital marketing for corporates/Government PSUs (b) Should have handled social media management for corporates/PSUs and experienced in handling social media campaigns 	

REQUIREMENT OF ADVISORS/ EXPERTS : ELV SERVICES

	Dogwinsmont	Minimum armanianas	Educational	Qualification
	Requirement	Minimum experience	Mandatory	Desirable
	ICT/ ELV Consultant (a) CCTV/ Security Surveillance			
1	System (b) Access Control System (c) Public Addressing System (d) IT systems (e) Networking and Communication (Data, Voice, Wi-Fi) (f) Information Display System (g) Digital Signage (h) Data Centre Design	Firm/ Individual should have at least three number of similar works with a project cost of Rs 50 Lacs in the respective category, for ICT/ ELV works that have been satisfactorily completed as a prime consultant, or joint venture member to the main client, in last 7 Years.	one graduate in Electronics and Communication/ IT/ Computer Science /Electrical/Instrumentation	

REQUIREMENT OF ADVISORS/ EXPERTS

	Dogwinsment	quivement Minimum experience	Educational Qualification	
	Requirement	Minimum experience	Mandatory	Desirable
1	Advisor (Electrical)	 (a) Minimum 20 years of experience in preparation of electrical schematic diagram for airports/hospitals/ industrial buildings (b) Experience in design and implementation of solar photo voltaic plants of 1 MW. (c) Experience in power generation, transmission and distribution (d) Experience in implementation of Electricity act and regulations. 	BE/B Tech (Electrical)	Preference will be given to engineers retired from positions such as Chief engineer/ Chief Electrical Inspector.

2	Advisor (Architecture)	 (a) Having masters in planning and minimum 30 years of experience in architectural planning and design of industrial buildings/hospitals/ commercial buildings/high rise buildings. (b) Minimum 10 years of experience in master planning and urban design/ urban planning and design of project value not less than 500 Crore 	Master Degree in architectural planning and design	
3	Advisor (Structure)	(a) Minimum Experience of 40 years in structural design of industrial structures/ high rise buildings/commercial buildings/hospitals(b) 20 years of experience in public sector firms as the lead structural designer.	ME/M Tech	Retired engineers from Government organisations/large corporates at the level of SE/GM
4	Advisor (Plumbing)	 (a) Minimum 25 years of experience in designing PHE for high rise building/industrial structures/commercial/bridges/airports/hospitals (b) Experience in designing water treatment plants of minimum capacity 1ML / Experience in designing of STP of minimum 1 ML. 	B Tech (Civil/Mechanical/ Chemical/Environment)	
5	Detailing & Drafting	 (a) Firms for the preparation of architectural drawing/structural drawing/plumbing/sanitary/ drawings of commercial buildings/industrial buildings/high rise buildings having value not less than 15 Crore for a single project. (b) Experience in preparation of statutory approval drawings. (c) Experience of preparation of fabrication drawing of industrial steel structures. 	The firm should have a minimum of five draftsmen having experience more than 5 years	
6	Structural design	(a) Firms with minimum 10 years of experience in structural design, reinforcement detailing and preparation of execution drawing of high rise	The firm/agency should have a lead designer with Master	

		building/industrial structures/commercial/ bridges/airports/hospitals.	in Structures with experience more than 5 years.	
		(b) Experience in preparation of structural design, detailing and preparation fabrication drawing of steel structures.		
		(c) Software expertise in ETABS/STAAD/SAP/MIDAS		
		(a) Firm/ individual with Minimum 10 years of Experience of preparing architectural concepts and presentation of residential/commercial/ industrial projects		
7	3D Modelling /Walkthroughs	(b) Software expertise of Sketch Up/ V Ray/ Lumion/ 3D Max /Maya		
		(c) Experience is preparing walkthroughs of either commercial/residential/airport/hospitals of minimum area of 1 Lakh Sq feet.		

REQUIREMENT OF ADVISORS/ EXPERTS: ENVIRONMENT

	Requirement	Minimum experience	Submission Reqquirement
1	Environmental Monitoring for EIA studies	Laboratories engaged in the baseline data collection must be NABL accredited, MoEFCC recognized and or GLP certified. The scope of accreditation/recognition/certification should cover relevant parameters required for collecting baseline data of physical environment for conducting EIA	The agencies shall submit the accreditation certificate covering the list of parameters covered.
		 studies for the following – Ambient air quality Stack emissions Water and waste water quality 	The above certificates shall be self-attested by the Head of the Institution holding power or attorney to sign on behalf of

		 Soil characteristics Noise The laboratory services shall be utilised for baseline environmental monitoring for the following sectors (but not limited to) Highways Airports Ports, Harbours, Jetties, Breakwater and Dredging. Building and Large Construction Projects Townships and Area Development Projects Common Effluent Treatment Plants Common Hazardous Treatment Facilities Isolated Storages The parameters to be monitored as per the requirement set out in EIA Guidance Manual published by published by Ministry of Environment, Forests and Climate Change, available at Ministries website for the sectors as above. If any additional requirements exists from above, the empanelled agencies would be requested for submitting the specific capability on the requirement and would be duly evaluated for availing the service. 	organisation. The Power of Attorney/ Authorisation shall be submitted.
2	Numerical Modelling for Marine Studies - Shoreline Changes/Sediment Transport /Oil spill trajectory modelling	Organisations having experience in carrying out similar studies. Similar studies include numerical modelling for shoreline changes/sediment transport/oil spill trajectory modelling Organisation shall have Key Professional with a minimum of 1 Post Graduate in Oceanography (Physical Oceanography) with more than 5 years of experience with a Post Graduate with experience in similar studies are mandatory. In case, an individual satisfying the requirement as above, the details of experience on oceanography and modelling shall be separately submitted.	Organisation Details – Certificate of Registration /Incorporation, Registration from Income Tax Authorities and GST. Details of modelling Softwares available with the firm. CV of Professional(s) stating the experience sought. (As per the format of ADB/IBRD).

			Documents shall be attested by the Head of the Institution holding power or attorney to sign on behalf of organisation. The Power of Attorney/ Authorisation shall be submitted.
3	Aquatic studies as part of EIA	 (a) Organisations having experience in carrying out similar studies. Similar studies include aquatic studies (fresh water /marine) as part of any Consultancy assignments. Experience in conducting studies as part of EIA would be advantageous. (b) The parameters to be monitored as per the requirement set out in EIA Guidance Manual published by published by Ministry of Environment, Forests and Climate Change, available at Ministries website for the sectors specified in Sl.No 1 as above. (c) A minimum of 1 key professional with more than 10 years of experience in aquatic studies shall be available with the firm with a team to support the studies. 	Organisation Details – Certificate of Registration /Incorporation, Registration from Income Tax Authorities and GST. CV of Key Professional(s) stating the experience sought. (As per the format of ADB/IBRD). List of supportive team for conducting studies.
4	Functional Area Experts for EIA Studies Land use (LU) Air Pollution Monitoring, Prevention & Control (AP) Meteorology, Air Quality Modelling & Prediction (AQ) Water Pollution Monitoring, Prevention & Control (WP) Ecology & Biodiversity (EB) Noise & Vibration (NV) Socio- Economic Aspects (SE) Hydrology, Ground Water & Water Conservation (HG) Geology (GEO) Soil Conservation (SC) Risk & Hazards Management (RH) Solid & Hazardous Waste Management (SHW)	Individuals satisfying the scheme of Accreditation of EIA Consultants available at QCI-NABET website.	Self-attested CV of Individual as per QCI-NABET Format.

	EIA C. 1' 4	T 1' ' 1 1 ' 4 ' ' TTA 1' 4 ' 4 C 11 '	
	EIA Coordinator	Individuals with experience as EIA coordinator in the following	
		sectors:-	
		• Isolated storage & handling of hazardous chemicals (As per	
		threshold planning quantity indicated in column 3 of schedule 2	
5		& 3 of MSIHC Rules 1989 amended 2000)	
		 Ports, Harbours, Jetties, Breakwaters and Dredging 	
		• Industrial estates/ parks/ complexes/ areas, export processing	
		Zones (EPZs), Special Economic Zones (SEZs), Biotech Parks,	
		Leather Complexes.	
		Common Municipal Solid Waste Management Facility	
	GIS Expert	Individuals having;	Self-attested CV of Key
		 Diploma/Training/Gradation in Remote Sensing or GIS or 	Professional(s) stating the
6		related subjects	experience
		Individuals having at least 5 yrs experience in mapping on GIS	
		platform	
	Marine Engineer	Person required to have degree in Marine Engineering with 5 years	Self-attested CV of Key
7		of experience	Professional(s) stating the
			experience
	R&R Specialist	Individuals having;	Self-attested CV of Key
		 Master's in Sociology, Anthropology or similar field 	Professional(s) stating the
8		10 years in professional experience with Social Impact	experience
		Assessment Studies and involuntary resettlement issues, including	
		in accordance with World Bank or other international standards.	
	Stakeholder Consultation Expert	Individuals having;	Self-attested CV of Key
9		Graduate in social sciences with 5 years' work experience in	Professional(s) stating the
		conducting communications needs assessments and/ or stakeholder	experience
		consultations, analyses and outreach.	
	Indian Green Building Council (IGBS)	Indian Green Building Council (IGBS) Griha Certified Architect	Self-attested CV of Key
10	Griha Certified Architect		Professional(s) stating the
			experience
	Navigation Expert	Master Mariner or an Officer/JCO of Navy/Coast Guard. Must	Self-attested CV of Key
11		have commanded ship navy/ Coast guard ship or equivalent	Professional(s) stating the
			experience

REQUIREMENT OF FIRMS/AGENCIES: PROJECT MANAGEMENT CONSULTANCY SERVICES

	Description of	24.	Qualification	
	Requirement	Minimum experience	Mandatory	Desirable
1	Project Management Consultancy Services (PMC)	(a) The agency should be a firm registered in India and engaged in airport terminal building/Five star hotel/Malls/ Commercial complex/Corporate office/Metro station/Indoor stadium/ATC Tower/Hanger/Institutional building/Hospital/Sea-Port Projects in India with experience in the field of Project Management Consultancy for a minimum period of 5 years. (b) The applicant should have provided Project Management Consultancy (PMC) Services for at least three projects costing more than Rs. 35 crores each for Central Govt./ State Govt/ PSUs/corporates / Autonomous body in India during last 7 years. (c) The firm should have average annual turnover of at least Rs. 5 crores (Five crores) in the last three financial years out of which atleast 50% should have been from PMC Fees. (d) Once the project is awarded to the empanelled firms, the proposed team shall be composed of experts and specialists in their respective areas of expertise and managerial/ support staff such that the firm should be able to complete the PMC within the specified time schedule. The Key Personnel of the consultancy team assigned to the project by the firm, viz. the Project Manager, Transit SME, Project Consultant etc shall be included in the proposed team of Professional Personnel. Other competent and experienced Professional Personnel in the relevant areas of expertise must be added as required for successful completion of this Consultancy.	The firm should have inhouse Technical staff to undertake the assigned PMC services. It should include (i) A project manager with more than 10 years of experience (ii) Minimum of five Post Graduate/ Graduate Engineer/ Architects with more than 5 years of experience.	Green building for which GRIHA/international standards rating

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REQUIREMENT OF FIRMS/AGENCIES: PROCESS ENGINEERING DEPARTMENT (NEW)

	Dogwinomont	Dogwinoment Minimum evnerience	Qualifi	cation
	Requirement	Minimum experience	Mandatory	Documents
1	Expert - Minerals and Metals processing	Minimum 10 years experience in design, preparation of technical specification, estimation, procurement and project management for procuring mineral separation plant/equipment, mineral processing plant, processing of value added products/by products, associated utilities, conveying systems and pollution control systems.	Graduate in Chemical or Mechanical Engineering	-
2	Expert - Process & Utility Piping	Minimum 10 years experience in process and utility piping design including pneumatic systems, preparation of P&ID & technical specification, estimation, procurement and project management.	Graduate in Mechanical Engineering	-
3	Expert - Instrumentation	Minimum 10 years experience in design, preparation of specification, procurement and project management for industrial process control and instrumentation applications.	Graduate in Process Control &Instrumentation Engineering or equivalent	-
4	Expert - Industrial Reverse Osmosis Plant	Minimum 10 years' experience in design, preparation of technical specifications, procurement and project management of industrial water treatment plants. It is mandatory to have experience in Reverse Osmosis plant and associated upstream and downstream equipment. Note: Documentary proof such as appointment letter/ experience certificate/ completion certificate to be submitted for verification.(self-attested)	Graduate or Diploma in Chemical / Mechanical/ Electrical / Civil / Environmental Engineering	Proof of the qualification shall be submitted. (Self-Attested)

EXPRESSION OF INTEREST FOR EMPANELMENT OF SERVICES

FORMAT FOR THE COVERING LETTER
(The letter is to be submitted by the Bidder on its letter head)

KITCO Ltd, Femith's, PB No.4407 Puthiya Road, NH Bypass, Vennala Cochin-682 028, Kerala, India	
Subject: Expression of Interest (EOI)	•
Dear Sir,	
This has reference to your EOI docur	nent no.
hereby submit its Expression of Intereption of 3 years and in accordance vectors.	` ,
	(SIGNATURE) Name, Designation Company Seal

INFORMATION ABOUT THE FIRM/INDIVIDUAL

1. Name and Address of Bidder						
Date of Registration of bidder (Please enclose certificate of incorporation)	ation / registration)					
3. Brief description of Bidder's Busines	B. Brief description of Bidder's Business					
4. PAN Details:						
5. GST Details:						
6. Contact Person Name :						
Address:						
Contact No. :Email ID :						
	(SIGNATURE) Name, Designation Company Seal Date:					

APPLICATION FORM FOR EMPANELMENT INFORMATION TO BE FURNISHED BY THE APPLICANTS

(For Firms/Agencies)

Catego	Category of work applied for : Empanelment of Category– (Specify category)				
SI No	Particular	Details			
1	Name of Organization				
2	Address				
	Mobile No				
	Telephone No.				
	E-mail ID				
3	Organization Details				
4	Details of Directors/ Partners/ Proprietors				
5	List of Engineering Consultancy Completed	To be filled as per FORM-I			
6	List of Engineering Consultancy in Progress	To be filled as per FORM-II			
7	Financial Status (Last 3 financial years)				
8	List of permanent professional Employees and Key Personnel mentioning their specialization, qualifications, experience and association with the firm	Self-certified copies to be enclose			
9	List of award winning entries (during last five years)	Attach additional sheet if required			
10	List of consultants associated on regular basis	Attach additional sheet if required			
11	List of works for which GRIHA/International ratings for Green buildings	Attach additional sheet if required			
12	List of International works	Attach additional sheet if required			
13	List of equipment and software available with the firm	Attach additional sheet if required			
14	Geographical area for targeted co- operation				

FORM-I

$\frac{ \texttt{LIST OF ENGINEERING CONSULTANCY ASSIGNMENTS COMPLETED IN LAST}}{ \underline{5 \, \texttt{YEARS}}}$

No	Name of Work	Name & Address of Client	Value of Work	Date of start of work	Date of Completion of work

FORM-II

LIST OF MAJOR ENGINEERING CONSULTANCY PROJECTS/ ASSIGNMENTS IN PROGRESS

No	Name of Work	Name & Address of Client	Value of Work	Date of start of work	Date of Completion of work

<u>AFFIDAVIT</u>

(TO BE SUBMITTED ON NON-JUDICIAL STAMP PAPER OF MINIMUM Rs.10/-DULY CERTIFIED BY NOTARY PUBLIC)

Affidavit of Mr
The deponent above named to hereby solemnly affirm and declare as under:
That I am the Proprietor/Authorized signatory of M/shaving its Head Office/ Regd. Office athaving its Mead Office/ Regd. Office at
 That the information/ documents/ Experience certificate submitted by M/s
3. I shall have no objection in case KITCO Ltd Verifies them from issuing authority (ies). I shall also have no objection in providing the original copy of the document(s) in case KITCO Ltd demands for verification.
4. I hereby confirm that in case, any document, information &/or certificate submitted by me found to be incorrect/false/ fabricated, KITCO Ltd at its discretion may disqualify/reject my application for pre-qualification out rightly and also debar me, M/s from participating in any future tenders/ PQ.
Deponent
I,, the Proprietor/ Authorized signatory of M/s,do herby confirm that the contents of the above Affidavit are true to my knowledge and nothing has been concealed therefrom and that no part of it is false.
Verified atthisday of

Deponent

NON BLACK LISTED DECLARATION

To:

General Manager KITCO Ltd Femith's, Vytilla Kochi

Subject: Non-Blacklisting declaration in connection with notice for empanelment of service providers at KITCO Ltd for providing consultancy/advisory services

Dear Sir,

This is to notify you that our Firm/Company/Organization intends to submit a an application for empanelment of service providers at KITCO Ltd for providing consultancy/advisory services.

In accordance with the above we declare that:

- (a) We are not involved in any major litigation that may have an impact of affecting or compromising the delivery of services as required under this assignment.
- (b) We are not blacklisted by any Central/ State Government/ agency of Central/ State Government of India or any other country in the world/ Public Sector Undertaking/ any Regulatory Authorities in India or any other country in the world for any kind of fraudulent activities.

Sincerely,

[BIDDERS NAME] (Office Seal)
Name

Title Place: Signature Date: