



Dossier 20130610-00404

**SPECIFIC CONDITIONS FOR THE PROCUREMENT OF
TECHNICAL AND LABORATORY ADVISING SERVICES FOR
QUALITY ASSURANCE OF THE MECA-MEDINA HIGH-SPEED
RAILWAY PROJECTS IN SAUDI ARABIA - HARAMAIN HIGH-
SPEED RAILWAY PHASE 2**

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1. PURPOSE

The purpose of this document is to establish the specific conditions required for the procurement of a company specialised in technical advising for the execution of laboratory work for quality assurance of the works in progress of the HARAMAIN HIGH-SPEED RAILWAY project in Saudi Arabia.

2. SCOPE OF THE WORK

The awarded concessionaire must develop a Comparison Test Plan in accordance with the table included as Annex I, in order to verify the reliability of internal control of the contractor and its suppliers. Furthermore, it may advise or make as many suggestions as deemed necessary in order to ensure that the supplied product complies with the requirements indicated in the work contract.

In order to verify compliance of the Quality Assurance Test Plan it shall be necessary to carry out proper project tracking as well an updated work schedule. This shall facilitate the measuring status and progress of each elemental work unit, and thus, knowing the indicated frequency, establish a comparison between the number of tests carried out for said unit and its measuring base.

All received documentation shall be compared against production reality, verifying adherence to current legislation, batch size, dimensioning of inspection and laboratory equipment in use, type and frequency of inspection and testing.

The values to be indicated in the plan are not fixed. These must be defined in accordance with work unit execution for each span. Sampling may be decreased as reliability for internal control of construction equipment increases or may increase as circumstances dictate.

Work at night and on weekends shall be necessary during project execution.

The awarded concessionaire must attend as many meetings as required during project execution. Likewise, the awarded concessionaire shall submit as many reports as required throughout the duration of the works.

Works shall be carried out along the Haramain line in various locations, highlighting:

- Workbase 1: Dossier 55+000
- Workbase 2: Dossier 192+500
- Workbase 3: Dossier 350+750
- Workbase 4: Dossier 427+500
- Meca workshop
- Ballast Quarries: Rabigh, P.K. 335+000, etc.

2.1. GENERATION OF DOCUMENTATION AND REPORTS

Once field data is obtained, it shall be analysed and corresponding reports shall be generated in English.

These reports shall be submitted to the INECO Project Manager, or designated personnel, in paper or digital format and signed by the Laboratory Supervisor.

Any unsuitable Comparison Tests shall be immediately communicated to the INECO Project Manager, or designated personnel, who, after implementing the relevant controls, may open Incident Reports as deemed necessary.

At minimum, it shall be required to generate a monthly report in ENGLISH, which indicates all work carried out during the month.

2.2. RELATIONS BETWEEN AWARDED CONCESSIONAIRE AND INECO

Notwithstanding the authority conferred upon the Project Manager to require the revision of project status at any time, the following specific controls are established:

- Initial meeting to visit the line and a general evaluation of the work plan.
- Informational meetings regarding general or specific aspects, called by the Project Manager. Attendance shall for the Project Manager, or designated personnel, awarded concessionaire and any organisation personnel related with the topics to discuss.
- At the requirement of the Project Manager, the awarded concessionaire shall communicate in writing all aspects of work development within an established period.

2.3. AUXILIARY TECHNICAL SUPPORT

Once work has begun, if the awarded concessionaire company requires external collaboration different than that indicated in the tender, it must be requested in writing to the Project Manager in order to ensure the possibility of said collaboration.

Said sub-contracting shall not release the awarded concessionaire from its responsibilities regarding quality, technical validity and deadlines concerned.

3. HUMAN AND TECHNICAL RESOURCES

The awarded concessionaire must provide the following human and material resources:

3.1. HUMAN RESOURCES

Full Laboratory Personnel Team comprised of, at minimum:

- One (1) Laboratory Supervisor, responsible for the contract, bachelors or graduate degree, with more than five (5) years experience with similar contracts, who acts as team coordinator and control team delegate.
- One (1) Laboratory Manager with more than five (5) years experience of laboratory work with quality control of construction materials.
- Two (2) Laboratory Assistants (Laboratory Attendants) holding licences to operated radioactive installations, with more than five (5) years experience with earthmoving and control of construction materials.

3.2. MATERIAL RESOURCES

The material resources required to carry out the testing reflected in Annex 1 of this document must be available. Equipment must be calibrated and certified for said purpose and must have the additional documentation required to operate in Saudi Arabia.

3.3. QUALITY ASSURANCE

The awarded concessionaire company must be certified for all its activities in accordance with UNE EN ISO 9001. It shall also be certified for the testing indicated in Annex 1.

4. TERMS AND CONDITIONS

The awarded concessionaire must be certified for the development, at minimum, of all work indicated and required in this document and in accordance with current legislation.

All expenses related with personnel assigned to perform said work, currently regulated or to be approved during the service period, shall be borne by the awarded concessionaire, including social security, overtime and taxes.

In cases where, due to the necessity of carrying out certain tasks or works for specified execution phases, it is necessary to work at night or on holidays, said work shall not be attributable for purposes of credit as it is considered included in the tender.

Work shall be invoiced by service months.

The general procurement conditions published in the Ineco contractor profile (www.ineco.es) and on the State Procurement website (www.contrataciondelestado.es) shall be applicable.

4.1. PERMITS AND LICENSES PERSONNEL WORKING CONDITIONS

The awarded concessionaire must respect the confidential nature of all information classified as confidential or which, by its very nature, must be treated as such, to which it may have access during the indicated work.

The awarded concessionaire shall obtain all specific permits and licenses required for execution of the work assigned, as well as the payment of taxes, fees, compensation or indemnification due for the development thereof, and which must be considered included in the tender price.

The awarded concessionaire(s) must be certified to begin the service contracted within a maximum period of 15 days from the notice of execution by Ineco.

The awarded concessionaire(s) shall be responsible for the quality of the work carried out and the services provided.

In the case of 3rd party sub-contractors providing service to the awarded concessionaire, who fail to carry out the work indicated under the specified conditions of quality required, Ineco shall inform the awarded concessionaire in writing, who shall be obligated to substitute said sub-contractor within a maximum period of 3 days.

The awarded concessionaire(s) must substitute any absent lab attendants due to illness or any other reason within a maximum period of 3 days.

The awarded concessionaire(s) must indicate the names and provide CVs of the company personnel scheduled to be designated. Accordingly, Ineco reserves the right to reject/accept all candidates.

The awarded concessionaire(s) shall be obliged to comply with current employment, social security and occupational health and safety provisions.

The awarded concessionaire(s) must possess a certificate for a civil liability insurance policy and commit to maintaining it in current status during the period of service.

The awarded concessionaire shall comply with all current requirements regarding Labour Risk Prevention.

Non-compliance with any of these obligations by the awarded concessionaire(s) implies no responsibility on the part of Ineco.

Services shall be provided in Saudi Arabia, whose legislation is very strict in terms of visas; therefore special attention must be paid to this aspect in order that the development of the work contracted is not affected under any circumstance.

A necessary condition for the awarded concessionaire is to be approved as an SRO (Saudi Railway Organization) sub-contractor or have initiated the processes thereof. Corresponding certification or proof of process initiation must be annexed in the tender once the award is announced.

Annex II lists the documentation required to submit for the pre-approval process. Documentation must be submitted to the Al Shoula Consortium Material Engineer, whose contact information is: José Ibañez, (jose.ibanez@ineco.es) who shall process submissions through established channels to SRO.

5. DURATION OF WORK

The period of execution for the technical support work specified in this document shall be approximately **FIFTY TWO (52) months**.

During vacations, the human resources provided by the awarded concessionaire shall be substituted by personnel with similar characteristics.

Under no circumstance shall Ineco be obligated to exhaust the deadline as it is limited to the real requirements of the company.

6. MAXIMUM TENDER AMOUNT

The maximum price to pay by INECO to the awarded concessionaire for all concepts derived from the execution of the work specified in this document amounts to **TWO HUNDRED NINETY THOUSAND, EIGHT HUNDRED THIRTY FOUR EUROS AND FIFTY FOUR CENTS (290,834.54 €)**, VAT not included.

Under no circumstance shall Ineco be obligated to exhaust the totality of its budget as it is limited to the real requirements of the company.

All offers exceeding said budget shall be rejected.

7. TECHNICAL SOLVENCY

The minimum criteria that offers must meet are:

- Civil liability insurance policy worth 1,000,000.00 Euros
- List signed by a legal representative of the company indicating the primary services or works carried out in the last five years, including a description of the project, amount, dates and public or private beneficiaries.
- Methodology and development of work
- List of personnel participating in the work, demonstrating experience through the submission of CVs.
- List of material resources to be used during the execution of the work.
- SRO approval certification as sub-contractor or proof of process initiation.

8. ECONOMIC AND FINANCIAL SOLVENCY

Economic and financial solvency must be accredited upon submitting the tender by providing:

- Reports from financial institutions with which the participant has possessed significant assets or liabilities throughout the last three fiscal years, which indicates, at minimum, the following:
 - Compliance with credit transaction repayment obligations
 - Global evaluation of the entity
- Official certificate indicating full compliance with all tax obligations.

- Official certificate indicating full compliance with all social security obligations.

9. VALIDATION CRITERIA

Offers received shall be classified in accordance with the technical and economic evaluations thereof. The bidder with the highest score, the sum of the two evaluations, shall be the awarded concessionaire.

Compliance with the requirements established for technical solvency is required in order to be technically and economically evaluated.

The scoring applied shall be 80 points for the economic evaluation and 20 points for the technical evaluation.

9.1. EXCLUSIONARY CRITERIA

All non-compliant offers with respect to any clause in this document and especially the following shall be rejected:

- Resources required in Point 3 not provided
- Non-compliance with solvency requirements in Sections 7 and 8
- Exceeding the global deadline or any partial deadlines established in these specific conditions
- Falsification of any data provided in the tender
- SRO approval certification as sub-contractor or proof of process initiation.

A necessary condition in order to be evaluated technically and economically is to be approved as an SRO (Saudi Railway Organization) subcontractor or have initiated the processes thereof. Therefore, SRO approval certification or proof of process initiation must be annexed in the tender. Annex II lists the documentation required to submit for said approval.

9.2. TECHNICAL EVALUATION

Evaluation criteria shall be in accordance with the following:

Availability to carry out the works: Maximum 10 points

- Scoring for the response indicating the least amount of time with regards to the execution of testing; 10 points shall be awarded for testing executed within two days, subtracting 2 points for each additional day.

Experience in the Middle East: Maximum 10 points

- A maximum of 10 points shall be awarded for at least one reference of work carried out in Saudi Arabia.
- A maximum of 5 points shall be awarded for at least one reference of work carried out in the Middle East.

9.3. ECONOMIC EVALUATION CRITERIA

The calculation of economic tenders shall be carried out using the following formula:

$$\text{Puntuación económica (PE)} = \frac{70 \cdot \text{Baja de la oferta}}{\text{Baja de la oferta más económica}} + 30$$

The floor of each tender is calculated as the difference between the tender price and the estimated tender price.

10. CONTENT OF TENDERS

10.1. TECHNICAL AND ADMINISTRATIVE TENDER

The documentation must provide sufficient information to be able to evaluate solvency and comply with all present requirements and specifically that indicated in the following points:

10.1.1. TECHNICAL TENDER

Each bidder shall submit a Work and Execution Plan in which clearly and concisely describes the methodology to follow for the development of the work, consistent with the human and material resources proposed and the indications detailed in these Technical Conditions. Bidders may include improvements related with the work indicated in this document in their technical tenders.

10.1.2. ADMINISTRATIVE DOCUMENTATION

In order to facilitate the drafting of the contract, if awarded the concession, it shall be necessary to submit the following documentation:

- Company data: Company name, Tax Id No., business object (copy of statutes and/or modifications), registered office.
- Information regarding the signator on behalf of the company: Name and surname, copy or reference of designation or power of attorney for the signing of the contract, Tax Id No. (photocopy).

Furthermore, it shall be necessary to include all documentation accrediting all requirements established in this document, with regards to human resources and technical and economic solvency.

10.2. ECONOMIC TENDER

The Consultant shall submit the economic tender for the entirety of the work detailed in accordance with the measurements indicated in Point 2.

The tender must include unit prices for all units included in this document as well as the total price based on the measurements indicated.

11. SUBMISSION OF TENDERS

All tenders shall be submitted in digital format to the following address: ofertas@Ineco.es.

The file that contains the economic tender shall be preferably identified as **O.E.- 20130610-00404-PROVEEDOR** and the file that contains the economic tender shall be identified as **O.T.- 20130610-00404-PROVEEDOR**.

In the even the file is larger than 15 Mb, it may be submitted in CD format to:

Purchasing and Procurement Unit
Paseo de la Habana 138
28036 Madrid

In both cases, the dossier number indicated on the Ineco website must be referenced.

The technical and economic tenders must be submitted on separate files, without the technical tender referencing the economic tender.

In the event of non-compliance with any of the requirements established in this section with regards to submitting tenders to a different address than that indicated, the bidder, at the discretion of the Purchasing and Procurement Unit, may be excluded from this tender.

ANNEX 1 QUALITY ASSURANCE TEST PLAN MEASUREMENTS

<div>  <div> HARAMAIN HIGH SPEED PROJECT - PHASE 2 QUALITY ASSURANCE. TEST PLAN. INECO </div> </div>									
QUALITY ASSURANCE TEST PLAN - TRACK & CIVIL WORKS -									
CATEGORY	TEST		QUANTITY WB1 (Unit)	QUANTITY WB2 (Unit)	QUANTITY WB3 (Unit)	QUANTITY WB4 (Unit)	QUANTITY DEPOT (Unit)	QUANTITY SLAB TRACK (Unit)	TOTAL TEST
Earthworks	Material Control. Origin.	Classification test according to MRDTM 210 or A ASHTO T89/T90.	9	9	5	9	9		41
		Proctor test according too MRDTM 2112, AASHTO TT180 or ASTM D1557.	9	9	5	9	9		41
		California Bearing Ratio (CBR) test inn according to MRDTM 2213, AASHTO T193 or ASTM D1883.	5	5	5	5	5		25
		Organic Matter (AASHTO 267)	5	5	5	5	5		25
	Tests. Density and Moisture Test (field density test). Compaction.	-	188	188	28	188	188		780
	Tests. Load Plate.	-	6	6	5	6	6		29
	Thickness	Test pit	10	10	5	10	10		45
Drainage	Concrete	temperature	5	5		5	5		20
		slump - MOC section 5	5	5		5	5		20
		Compressive Strength 7 days - MOC Section 5	5	5		5	5		20
		compressive Strength 28 days - MOC Section 5	5	5		5	5		20
	Steel	-	1	1		1	1		4
Utilities (Civil Works).	Material Control. Origin	Classification test according to MRDTM 210 or A ASHTO T89/T90.	2	2		2	2		8
		Proctor test according too MRDTM 2112, AASHTO TT180 or ASTM D1557.	2	2		2	2		8
	Tests. Density and Moisture Test (field density test). Compaction.	-	15	15		15	15		60
Roads and supporting layers (Subballast and Subgrade)	Material Control. Origin.	Classification test according to MRDTM 210 or A ASHTO T89/T90.	7	7	2	7	7		30
		Proctor test according too MRDTM 2112, AASHTO TT180 or ASTM D1557.	7	7	2	7	7		30
		California Bearing Ratio (CBR) test inn according to MRDTM 2213, AASHTO T193 or ASTM D1883.	7	7	2	7	7		30
		Organic Matter (AASHTO 267)	7	7	2	7	7		30
		Abrasion (L.A.)	7	7	1	7	7		29
	Tests. Density and Moisture Test (field density test). Compaction.	-	50	50	16	50	50		216
	Tests. Load Plate.	-	5	5	2	5	5		22
	Thickness	Test pit	10	10	2	10	10		42
Track works: Slab Track. Work Bases: Concrete and steel structures.	Raw material	cement (ASTM C150 or Type IP(MS) conforming to AASHTO M240)	1	1	1	1	1	1	6
		Water - MOC section 5	1	1	1	1	1	1	6
		Agregates - MOC section 5	1	1	1	1	1	1	6
	Concrete	temperature	14	14	25	14	14	656	737
		slump - MOC section 5	14	14	25	14	14	656	737
		Water - Cement Ratio						656	656
		Compressive Strength 7 days - MOC Section 5	14	14	25	14	14	656	737
		compressive Strength 28 days - MOC Section 5	14	14	25	14	14	656	737
		Concrete witnesses - MOC Section 5						160	160
		Steel	2	2	4	2	2	32	44
	Grading	EN 13450 and EN 933-0							180
	Los Angeles Coefficient	EN 13450 and EN 1097-1							180
	Fine Particle and Fines Content	EN 13450 and EN 933-1							180
	Shape coefficient	EN 13450 and EN 933-4							180
Track works: Ballasted tracks. Ballast.	Minimum Granular Element Thickness	UNE 146146							180
	Particle Length	EN 13449							180
	Ballast Stone Homogeneity	UNE 146146							180
	Water Absorption	EN 13450 and EN 1097-5							180
									180

ANNEX 2 LIST OF DOCUMENTATION REQUIRED FOR SAUDI RAILWAYS ORGANIZATION CLASSIFICATION



PRE-QUALIFICATION DOCUMENT CHECK-LIST

Company Name:

DOCUMENT	VERIFICATION		COMMENTS
	INCLUDED	NOT INCLUDED	
For Local Companies or registered companies in KSA:			
General Information (Company Overview)			
Registration certificate			
Ranking certificate			
Commercial Registration/Chamber of commerce certificate			
Zakat Certificate			
Range of products			
Organization Chart			
Industrial License when applicable			
Financial data/Audited statement			
Total no. of manpower List			
Total no. of Personnel deployed for the project			
QA/QC plan*			
Safety plan*			
Equipment List & its total no.			
Completed Major Projects and its total cost.			
Ongoing Projects			
Accreditations if any.			
Reference to the BoQ Item (aprox %) and a clear reference to the Scope of works and Geographical location.			
Transparency and evidence of being in possession of the Licenses associated with the scope of Works or the current status of the administrative process.			
For Joint Ventures (Local/International) companies to work as subcontractors:(in addition to the previous points)			
Administrative processes related documents in regards the status of the international company registration.			
Role of each company in the Joint Venture.			
Copy of the MoU.			
For International Companies to work as subcontractors(kindly note that for International suppliers Zakat certificate,ranking certificate will not be applicable), in addition to the points required for the local subcontractor:			
A Brief introduction of the company and the reasons for its selection eg. Project references, highly specialized staff, etc.			
when not registered in KSA while submitting the prequalification documents, an update on the registration process status and the approximate planned date to start .			
An statement from ASC clarifying that the said company will be working under the Consortium's legal protection			