

भारतीय राजमार्ग अभियन्ता अकादमी

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

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All communications to this office should be addressed to the Director by designation and not by name

IAHE/Admin/07/Project-MORT&H/2014-15/1

08.122014

To

All Interested Consultants

Subject : Consultancy Services for Project Management Phase I including-preparation of Detailed Project Report of selected stretches/corridors of National Highways for up gradation to Two/Four lane with paved shoulder configuration-Amendment-II to RFP

Sir.

Please find enclosed "Amendment-II to RFP" for the above mentioned work for reference and necsssary action at your end.

2. This issues with the approval of Director,IAHE

Yours faithfully,

(M Riten Kumar Singh)
Joint Director

Amendment-II to RFP
Consultancy Services for Project Management Phase I including-preparation of Detailed Project Report of selected stretches/corridors of National Highways for up gradation to Two/Four lane with paved shoulder configuration

SI No.	Clause No./ Para No & Page No in	As per RFP / Amendment to RFP	As per modified / to be read as
1	RFP Clause 4.2.2 of Letter of Invitation ,on page no -12 of RFP	The proposal must be prepared in power of attorney accompanying the proposals. All pages of the Proof of Eligibility, Technical Proposal and Financial proposal must be initialed by the person or persons signing the proposal	The proposal must be prepared in power of attorney accompanying the proposals. All pages of the Proof of Eligibility and Technical Proposal must be initialed by the person or persons signing the proposal
2	At the end of para 5 (after ii.) of Clause 4.11.2 (Topographic Surveys) of Terms of Reference (Appendix- I) on page no-46 of RFP		The following shall be added iii. Boundary Pillars- Wherever there is a proposal of realignment of the existing Highway and/or construction of New Bypasses, Consultant shall fix boundary pillars along the proposed alignment on the extreme boundary on either side of the project Highway at 50 m interval.
3	Clause 4.4 of Letter of Invitation ,on page no -12 of RFP	Your completed Proof of eligibility, Technical and Financial proposal must be delivered on or before the time and date at the address stated in Data Sheet.	Your completed Proof of eligibility and Technical proposal (in hard copy) must be delivered on or before the time and date at the address stated in Data Sheet. Proof of Eligibility, Technical Proposal and Financial Proposal for each package shall have to be submitted online also on or before the time and date at the address stated in Data Sheet
4	Para no. (iii) of Clause 3.2.4 of Letter of Invitation of RFP, on page no-9 of RFP	Bridge Engineer, Geo- technical cum material engineer and Senior Survey Engineer should be available from beginning of the project	Surveyor / Documentation expert and Traffic and safety expert are allowed to be deployed/proposed in 2 teams at a time. If the same CV is submitted by two or more firms, Zero marks shall be given for such CV for all the firms
5	Para no. (i) of Clause 3.2.4 of Letter of Invitation of RFP, on page no-9 of RFP	The CVs of the Key Personnel in the format as per Form T 8Experience Certificates shall also be submitted.	The CVs of the Key Personnel in the format as per Form T 11 Experience Certificates shall also be submitted. If any information is found incorrect, at any stage, action including termination and debarment from future IAHE/ Ministry projects upto 2 years may be taken by IAHE on the personnel and the Firm.



Amendment-II to RFP

Sl No.	Clause No./ Para No & Page No in RFP	As per RFP	As per modified / to be read as
6	Manning Schedule given at Enclosure-I of RFP at page no. 95	As per Amendment to RFP	As per Annex-I of Amendment-II to RFP
7	Qualification and Experience Requirement for Key Personnel- Highway cum Pavement Engineer -Total Professional Experience, on page 98 of RFP	Minimum 20 Years	Minimum 15 years
8	Qualification and Experience Requirement for Key Personnel- Material cum Geo Technical Engineer cum Geologist -Desirable Educational Qualification, on page 101 of RFP	Masters in Foundation Engineering / Soil Mechanics / Phd in Geology	Masters in Foundation Engineering / Soil Mechanics / Phd in Geology /Geo Tech Engineering
9	Qualification and Experience Requirement for Key Personnel- Senior Survey Engineer -Desirable Educational Qualification, on page 102 of RFP	Nil	Masters in Surveying / Remote Sensing
10	Column pertaining to "Activity" of point no. 3(ii) and 3(iii) (i.e. Feasibility Report) of the table containing Schedule for submission of Reports and Documents (Enclosure-III of RFP) at page no. 105	3(ii) Comments of Client and compliance by Consultant 3(iii) Final Feasibility Study Report.	3(ii) Comments of Client 3(iii) Final Feasibility Study Report incorporating compliance of comments of Client.
11	Column pertaining to "Activity" of point no. 5(ii) and 5(iii) (i.e. Detailed Project Report) of the table containing Schedule for submission of Reports and Documents (Enclosure-III of RFP) at page no. 105	5(ii) Comments of Client and compliance by Consultant 5(iii) Final DPR	5(ii) Comments of Client 5(iii) Final DPR incorporating compliance of comments of Client
12	Form-III (estimate for Local Currency Costs) of Appendix-IV of RFP (Financial Proposals) .Page no. 128 to 131		As per Annex-II of Amendment-II to RFP
13	Form-V (tentative Quantities for Sub Soil Investigations-Boring) of Appendix-IV of RFP at page no 133	As per Amendment to RFP	As per Annex-III of Amendment-II to RFP
14	Name of Stretch of Package no. NH/IAHE/13 of Annex-I Of LOI of RFP on page no. 18	connecting Barmer, Sanchor in the state of Rajasthan, Tharac Bhabar, Radhanpur, Kamalpur Khakhal, Roda, Dunawada Patan, Chanasma, Mahesana	Chanasma- Mahesana- Kherva, Gojariya- Sama- Churada, Kuvadara and Terminating at its jn with NH48 near Prantij in the state of Gujarat



Amendment-II to RFP

Sl No.	Clause No./ Para No & Page No in RFP	As per RFP	As per modified / to be read as
15	Name of Stretch of Package no. NH/IAHE/20 of Annex-I Of LOI of RFP on page no19	The Highway starting from Dwarka connecting Bhogat, Porbandar, Somnath, Mahuva, Bhavnagar, Songarh, Gadhada, Botad, Limdi, Surendranagar, Dharangadhra and terminating at Kuda in the State of Gujarat	Bhavnagar- Songarh- Gadhada- Botad to Limdi in the State of Gujarat
16	Tentative Length of NH/IAHE/20 of Annex-I Of LOI of RFP on page no 19	200 km	170 km
17	Total Tentative Length as indicated in Annex-I of LOI of RFP on page no 19	3605 km	3575 km
18	Clause 6.2 of Letter of Invitation of RFP pertaining to Negotiations on page no 14	Before the start of negotiations, the most preferred Consultant/Bidder (H-1) shall be asked to give justification for the cost quoted by them to the full satisfaction of IAHE. Inability to provide justifications for the cost quoted by and IAHE shall invite fresh bids for the package	Before the start of negotiations, the most preferred Consultant. Bidder (H-1) shall be asked to give justification for the cost quoted by them to the full satisfaction of IAHE.
19	Clause 6.8 to be inserted after Clause 6.7 of Letter of Invitation of RFP pertaining to Negotiations on page no 15	Nil	6.8 If a Consultant fails to conclude the negotiations with IAHE or in case a consultan withdraws without starting completing the negotiations with IAHE, it shall attract penalty encashment of Bid Security submitted by the Consultant
20	Clause 7 of Letter of Invitation pertaining to Performance Security	The consultant will furnish within 7 days of the issue of Letter of Acceptance (LOA), an unconditional Bank Guarantee from the Bank	The consultant will furnish within 7 days of the issue of Letter of Acceptance (LOA), ar unconditional Bank Guarantee from the Bank
21	Clause 5.3 of Letter of Invitation of RFP pertaining to Evaluation of Financial Proposal on page 13		As per Annex-IV of Amendment-II to RFP



Amendment-II to RFP

Sl No.	Clause No./ Para No & Page No in RFP	As per RFP	As per modified / to be read as
22	Clause 3.5(c)(i) of SCC of RFP on page no 162	The Consultant shall provide to IAHE Professional Liability Insurance (PLI) for a period of three years beyond completion of Consultancy services or as per Applicable Law, whichever is higher	IAHE Professional Liability Insurance (PLI)for a period of Five Years rs beyond completion of Consultancy services or as per

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Enclosure-I

MANNING SCHEDULE

Category-I Packages of tentative lengths upto 105 km (Package no. NH/IAHE/06, NH/IAHE/09, NH/IAHE/10, NH/IAHE/15, NH/IAHE/17, NH/IAHE/18, NH/IAHE/21 and NH/IAHE/23)

Category-II Packages - Packages of tentative lengths greater than 105 km but less than 200 km(Package no. NH/IAHE/01, NH/IAHE/03, NH/IAHE/07, NH/IAHE/08, NH/IAHE/12, NH/IAHE/13, NH/IAHE/14, NH/IAHE/16, NH/IAHE/19, NH/IAHE/20, NH/IAHE/22 and NH/IAHE/24)

Category-III Packages - Packages of tentative lengths equal to and greater than 200 km (Package no.

NH/IAHE/02, NH/IAHE/04, NH/IAHE/05 and NH/IAHE/11)

		Categor	y-I Packa	ages	Categor	y-II Pack	tages	Categor	y-III Pac	kages
SI. No	•	Total Project Assignment (Ten months)		Total Project Assignment (Eleven months)			Total Project Assignment (Twelve months)			
		At site (mm)	At design office (mm)	Total Time Period (mm)	At site (mm)	At design office (mm)	Total Time Period (mm)	At site (mm)	At design office (mm)	Total Time Period (mm)
	Team Leader Cum Senior Highway Engineer	4	4	8	4.5	4.5	9	5	5	10
	Senior Bridge Engineer	1.5	2.5	4	2	2.5	4.5	2	3	5.0
3	Highway cum Pavement Engineer	2	2.5	4.5	2.5	3	5.5	3	3.5	6.5
	Material-cum- Geo-technical Engineer – Geologist	3.5	2	5.5	4	2	6	4	2.5	6.5
5	Senior Survey Engineer	3.5	2	5.5	4.5	2	6.5	5	2.5	7.5
6	Traffic and Safety expert	1.5	2	3.5	1.5	2.5	4	2	2.5	4.5
7	Environmental Specialist	1	1.5	2.5	1.5	1.5	3	1.5	2	3.5
8	Quantity Surveyor/ Documentation Expert	1	4	5	1.5	4	5.5	2	4	6
	Total	18	20.5	38.5	22	22	44	24.5	25	49.5

Note: 1. Consultants have to provide a certificate that all the key personnel as envisaged in the Contract Agreement have been actually deployed in the projects. They have to furnish the certificate at the time of submission of their bills to IAHE from time to time.

2.In case Tunnels are to be constructed ,necessary input of Tunnel Experts shall be provided in addition to above mentioned Manpower requirement.

3.The Consultant shall appoint a project Coordinator for effective Coordination of its services for the entire duration of the Project Assignment including pre construction activities until completion of the entire assignment of PMC Phase-I

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(Form-III)

Estimate of Local Currency Costs

I. Remuneration for Local Staff (including per diem allowance)

I(a) <u>Category-I Packages</u> - <u>Packages of Tentative Lengths upto 105 km</u> (Package no. NH/IAHE/06, NH/IAHE/09, NH/IAHE/10, NH/IAHE/15, NH/IAHE/17, NH/IAHE/18, NH/IAHE/21 and NH/IAHE/23)

S.No.	Position	Name	Rate (INR)	Staff Months (Months)	Amt. (INR)
	Professional Staff	10			
1	Team Leader cum Senior Highway Engineer			8.0	
2	Senior Bridge Engineer			4.0	
3	Highway cum Pavement Engineer			4.5	
4	Material-cum-Geotechnical Engineer- Geologist			5.5	
5	Senior Survey Engineer			5.5	
6	Traffic and Safety Expert			3.5	
7	Environmental Specialist			2.5	
8	Quantity Surveyor/ Documentation Expert Sub-Total:			5.0	
	Sub-Professional Staff	(To be assignment		onsultant as per re	quirement of
1					
2					15
3		•			
4					
5					
6					****
7					
	Sub-Total:				
	TOTAL			,	



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I(b) <u>Category-II Packages</u>-Packages of tentative lengths greater than 105 km but less than 200 km (Package no. NH/IAHE/01, NH/IAHE/03, NH/IAHE/07, NH/IAHE/08, NH/IAHE/12, NH/IAHE/13, NH/IAHE/14, NH/IAHE/16, NH/IAHE/19, NH/IAHE/20, NH/IAHE/22 and NH/IAHE/24)

S.No.	Position	Name	Rate (INR)	Staff Months (months)	Amt. (INR)
	Professional Staff				
1	Team Leader cum Senior Highway Engineer			9.0	
2	Senior Bridge Engineer			4.5	54
3	Highway cum Pavement Engineer			5.5	
4	Material-cum-Geotechnical Engineer- Geologist			6.0	
5	Senior Survey Engineer			6.5	110000000000000000000000000000000000000
6	Traffic and Safety Expert			4.0	
7	Environmental Specialist			3.0	
8	Quantity Surveyor/ Documentation Expert			5.5	
	Sub-Total:			=	5
	Sub-Professional Staff		quirement of		
		assignme	nt)		
1		assignmen	nt)		
1 2		assignme	nt)		
845		assignme	nt)		
2		assignme	nt)		
3		assignme	nt)		
3	`	assignme	nt)		
3 4 5		assignmen	nt)		
2 3 4 5	Sub-Total:	assignme	nt)		



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I(c) <u>Category –III Packages</u> -Packages of tentative lengths equal to and greater than 200 km (Package no. NH/IAHE/02, NH/IAHE/04, NH/IAHE/05 and NH/IAHE/11)

S.No.	Position	Name	Rate (INR)	Staff Months (Months)	Amt. (INR)
	Professional Staff				
1	Team Leader cum Senior Highway Engineer			10.0	
2	Senior Bridge Engineer			5.0	
3	Highway cum Pavement Engineer			6.5	
4	Material-cum-Geotechnical Engineer- Geologist			6.5	
5	Senior Survey Engineer		a1	7.5	
6	Traffic and Safety Expert			4.5	
7	Environmental Specialist			3.5	-
8	Quantity Surveyor/ Documentation Expert			6.0	
	Sub-Total:				
	Sub-Professional Staff	(To be assessed by Consultant as per requirement assignment)			quirement of
1	-				
2					
3					
4					
5	,				
6					
7					
	Sub-Total:				1
	TOTAL				



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II. Support Staff

No.	Position	Name	Staff Months	Billing Rate (INR)	Amount (INR)
1	Office Manager			(5)	
2	Typist				
3	Office Boy		V.		
4	Night Watchman				
				Total:	

III. Transportation (Fixed costs)

S.No	Description	Qty.	Nos. of months	Rate/ Month (INR)	Amount (INR)
1	The vehicles provided by the Consultants shall include the cost for rental, drivers, operation, maintenance, repairs, insurance, etc.				
	A. For use of consultants				
	Total				

IV. <u>Duty Travel to Site (Fixed Costs)</u>

Trips	NO	Rate (INR)	Amount (INR)
			1

V. Office Rent (Fixed Costs)

The rent cost includes maintenance,	cleaning, repairs, etc
months x	

Total

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VI. Office Supplies, Utilities and Communication (Fixed Costs)

No.	Item	Months	Monthly Rate (INR)	Amount in INR
1	Office Supplies			
2	Drafting Supplies		2	
3	Computer Running Costs			
4	Domestic and International Communication		127	

TOTAL:

VII. Office Furniture and Equipment (Rental)

No.	Description	Unit	Quantity	Rate (INR)	Amount (INR)
1	Office Furniture and Equipment		LS		
×				Total	

VIII. Reports and Document Printing

No.	Description	No. of Copies	Rate per Copy (INR)	Amount (INR)
1	Monthly Report	3 Per Month		0
2	Inception Report & QAP	3		
3	Environment and Social Impact Screening Report	4		1
4	Draft Feasibility Report	4		
5	Final Feasibility Report	6		
6	Strip Plan with L.A. Reports	6		
7	Draft Environmental Assessment report & RAP	4		
8	Final Environmental Assessment report & RAP	6		



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No.	Description	No. of Copies	Rate per Copy (INR)	Amount (INR)
9	Draft Detailed Design Report & Drawings etc.	4		
	Draft EMP	4		37
10	Draft Bidding Documents	4		= II
11	Final Detailed Project Report with Bill of Quantities, Cost Estimates, Updated Drawings etc. Final EMP	6		
12	Final Bidding Documents	6		1
13	Draft 3(a),3(A) and 3(D) notification for land acquisition (3 copies each)	9		
			Total	

IX. Survey and Investigation

A. Topographical Survey (Fixed Rate)

Item	Kms	Rate per Km (INR)	Amount (INR)
Topographic Survey including hire charges for equipment(GPS, Total Station, Auto Level etc.,) and supply of survey Teams comprising of project survey filed staff etc. inclusive of cost of materials, labourer and construction of BM,(satellite imaginary, aerial photogrammetry if considered necessary) etc. complete			

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B. Investigation (Fixed cost)

В.	Investigation (Fixed cost)			
No.	Description	Quan	tity	Amount (INR)
1	Road and Bridge Inventory			
2	BBD Test and Pavement Evaluation			
3	Roughness Survey		· · · · · · · · · · · · · · · · · · ·	
4	Axle Load Survey			
5	Material Survey and Investigation			
6	Sub-grade Investigation		¥	
7	Traffic Survey			
8	Socio-economic & Census Survey/Studies			
9	Land Acquisition Studies			
10	Any other investigations/surveys		4	
11	* Sub-Soil Investigation (Boring)	Rate	Qty	Amount (INR)
	a) Boring in all type of soils (other than hard rock) b)Boring in hard rock		1500 m (category-I packages) or 2000m (Category-II Packages) or 3000m (Category-III Packages) 300 m (category-I packages) or 500m (Category-II Packages) or 700m (Category-III Packages)	
	Total	L		1 ,

Note: * Quantities of borings shall be taken from Financial Proposal Form No.V. For financial evaluation, these quantities and rates quoted by the consultant will be considered. However, Payment shall be made on the actual quantity of boring at rates quoted above by the Consultant. which may be substantially more or less than the estimated quantities.

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TENTATIVE QUANTITIES FOR SUB-SOIL INVESTIGATIONS (BORING)

(Form -V)

S. No	Stretch Proposed for DPR	NH No.	Approximate Length (in Km.)	Package No.	State	Cumulative Tentative Quantities (in m)	
						In Soils other than hard rock	In hard rock
1	Category-I Packages Packages of Tentative Lengths upto 105 km (Package no. NH/IAHE/06, NH/IAHE/09, NH/IAHE/10, NH/IAHE/15, NH/IAHE/17, NH/IAHE/18, NH/IAHE/21 and NH/IAHE/23) at Annex-I of Letter of Invitation of the RFP	As per List at Annex -1	As per List at Annex-1	As per List at Annex- 1	As per List at Annex-1	1500	300
2	Category-II Packages-Packages of tentative lengths greater than 105 km but less than 200 km (Package no. NH/IAHE/01, NH/IAHE/03, NH/IAHE/07, NH/IAHE/08, NH/IAHE/12, NH/IAHE/13, NH/IAHE/14, NH/IAHE/16, NH/IAHE/19,NH/IAHE/20, NH/IAHE/22 and NH/IAHE/24)	As per List at Annex -1	As per List at Annex-1	As per List at Annex- 1	As per List at Annex- 1	2000	500
3	Category –III Packages - Packages of tentative lengths equal to and greater than 200 km (Package no. NH/IAHE/02, NH/IAHE/04, NH/IAHE/05 and NH/IAHE/11)	As per List at Annex -1		As per List at Annex- 1	As per List at Annex- 1	3000	700

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- 5.3 Evaluation of Financial Proposal
- 5.3.1 In case for a particular package, only one firm is eligible for opening of Financial Proposals, the Financial Proposal shall not be opened, the bids for that package shall be cancelled and IAHE shall invite fresh bids for this package. For financial evaluation, total cost of financial proposal excluding Service Tax shall be considered. Service Tax shall be payable extra.
- 5.3.2 The evaluation committee will determine whether the financial proposals are complete(i.e. whether they have included cost of all items of the corresponding proposals; if not, then their cost will be considered as NIL but the consultant shall however be required to carry out such obligations without any compensation. In case, if client feels that the work cannot be carried out within overall cost of financial proposal, the proposal can be rejected. The client shall correct any computational errors and correct prices in various currencies to the single currency specified in Data Sheet. The evaluation shall exclude those taxes, duties, fees, levies and other charges imposed under the applicable law & applied to foreign components/ resident consultants.
- 5.3.3 For a package in which 2 firms are eligible for opening of Financial proposals, the procedure as mentioned at Clauses 5.3.7, 5.4 and 5.5 as mentioned below shall be followed for determining the "most preferred bidder (H-1 bidder)" for this package.
- 5.3.4 For a package for which 3 or more Financial Proposals are opened, Average of all the opened Financial Proposals for each package shall be determined. A Financial Proposal for a particular package shall be considered "reasonable" if its variation from the average is within (+) /(-) 20% of the average. Only bidders with a "reasonable Financial Proposal" shall be considered for determining the "most preferred bidder (H-1 bidder)" based on QCBS (80 % weightage on Technical Proposal and 20 % weightage on Financial Proposal).

For the sake of clarity it is mentioned that if for a particular package (say Package –A), Financial proposals of 5 Consultants are opened and suppose the values of Financial Proposals quoted by 5 Consultants are as follows- Consultant X-1 quotes Rs 200 Lakhs, Consultant X-2 quotes Rs 120 lakhs, Consultant X-3 Quotes Rs 180 lakhs, Consultant X-4 quotes Rs 190 lakhs and Consultant X-5 quotes Rs 250 lakhs. Average Quote= Rs (200+120+180+190+250)/5 = Rs 188 lakhs. So all quotes lying within (+) /(-) 20% of Rs 188 lakhs i.e. quotes which lies in the range of Rs 225.6 Lakhs to Rs 150.4 lakhs shall be considered as "reasonable Financial Proposals". So out of 5 firms whose Financial Proposals were opened, Financial Proposal submitted by only 3 firms namely X-1(Financial Quote of Rs 200 lakhs), X-3 (Financial Quote of Rs 180 lakhs) and X-4 (Financial Quote of Rs 190 lakhs) shall be considered as "reasonable Financial Proposals" and they shall only be considered for determining the "most preferred bidder (H-1 bidder)" for that particular package. Financial Proposals submitted by X-2 (Financial Quote of Rs 120 lakhs) and X-5 (Financial Quote of Rs 250 lakhs) shall not be considered further.

Thereafter, the most preferred bidder (H-1 bidder) for that particular package shall be determined using the procedure as given at Clauses 5.3.7, 5.4 and 5.5 as mentioned below.

5.3.5 While determining "reasonable Financial Proposals" for a particular package, if the Financial Proposal of only one Firm comes out as a "reasonable Financial Proposal" and all other Financial Proposals do not turn out to be "reasonable Financial Proposals", the Firm Quoting the "reasonable Financial Proposal" shall be declared as the most preferred bidder (H-1) for that particular package.

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- 5.3.6 While determining "reasonable Financial Proposals" for a particular package, if the Financial Proposal of none of the firms is found to be within the range of (+)/(-) 20% of the average Financial quote, bids for that particular package shall be cancelled and IAHE shall invite fresh bids for this package
- 5.3.7 The lowest financial proposal (FM) will be given a financial score (SF) of 100 points. The financial scores of other proposals will be computed as follows:

 SF = 100xFM/F

 OF Figure 1.15 and FM Amount of lowest hid. F= Amount of financial proposal converted in the

(SF = Financial Score, FM= Amount of lowest bid, F= Amount of financial proposal converted in the common currency)

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