

Minutes of Meeting of Tender Evaluation Committee (Financial Evaluation) dated
19.08.2022 for the work of

"Repair, Rehabilitation & Strengthening of damaged portions of Major Bridge
Across Thamiraparani river at Km 38+800 LHS on Tuticorin - Tirunelveli section of
NH138 (old NH 7A) in the State of Tamil Nadu (2nd Call)"

1. Committee evaluated technical bids and provided technical scores. The recommendations of the Committee are as follows;

S. No	Name of Bidder	Bid ID	Technical Scores (TS)	Minimum Required for Qualification	Recommendations
1	The Freyssinet Prestressed Concrete Company Limited	446203	99	70 / 100	Qualified
2	FRP-Tech (India) Private Limited	449954	100		Qualified

2. Subsequent to approval of Competent Authority, the technical evaluation was uploaded in Government CPP portal on 11.08.2022.

3. Consequently, Financial bids submitted by technically qualified bidders have been decrypted on 17.08.2022 and the prices quoted by the bidders are as follows:

S.No	Name of Bidder	Bid ID	Amount Quoted (Rs.)	Remarks
1	The Freyssinet Prestressed Concrete Company Limited	446203	13,89,10,199	(34.29% Less) L2
2	FRP-Tech (India) Private Limited	449954	13,22,08,855	(37.46% less) L1

4. As per section (II) Cl.23 of RFP, the procurement shall be made on least cost based selection among the Contractors and award criteria stipulated in RFP is as detailed below:

i. The Lowest Price Bidder L1 (technically qualified) shall be assigning Price Score (PS) of 100. The rest of the Bidders will be assigned Price Score (PS) in the ratio of L1 price and the respective bid price i.e. Price score shall be $(L1/L2 \times 100)$, $(L1/L3 \times 100)$ etc.,.

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- ii. The Final Score shall be assigned as per following formula:

Evaluated Score of the Bidder = $0.70 \times TS + 0.30 \times PS$.

The Weightage for Technical and Financial score shall be 70% and 30% respectively.

5. The Committee evaluated the financial bids on 19.08.2022 as per the procedure for Award criteria, as given in RFP and recommends the following:

	The Freyssinet Prestressed Concrete Company Limited	FRP-Tech (India) Private Limited
Technical Score (TS)	99	100
Price Quoted	138,910,199	132,208,855
	(34.29% Less) L2	(37.46% less) L1
Formula for Price Score Price Score (PS)	[(L1/L2) x 100] for L2	100 for L1
	95.18	100
Evaluated Final Score	(0.7 X TS) + (0.3 X PS)	(0.7 X TS) + (0.3 X PS)
	97.85	100.00
Selected Bidder	FRP-Tech (India) Private Limited	

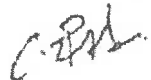
6. In view of the above, the Committee unanimously recommends M/s. FRP-Tech (India) Private Limited., New Delhi (BID ID 449954) as the selected bidder for the subject work.

7. Further, with reference to submission of Additional Performance Security, since, the quoted rate of L-1 bid, Rs. 13,22,08,855/- (Excluding GST) is within 10% (@2.47% only) of the Average quoted rate i.e. Rs.13,55,59,527/-, the bid quoted by L1 shall not be considered as ALB and the provision of Additional Performance Security may not be applicable as per NHAI HQ Policy Guidelines Circular No. 9.2.35/2022 dated 10.05.2022. Upon approval of Competent Authority, further course of action will be taken up.


S Syed Dawood Mian
Member


M.S. Pandian
Member


T. Velraj
Member


C. Raghul
Convenor

Average Bid Price of technically qualified bidders (2 No.s)							
S. No.	Name of the bidder	Estimated Cost (Rs.)	Quoted rate by bidder (Rs.)	Above/ Below %	Status	Average Bid Price (Rs.)	Diff. between Average Bid Price and L-1 bid
1	The Freyssinet Prestressed Concrete Company Limited	211,398,873	138,910,199	-34.29	L-2	135,559,527	3,350,672
2	FRP-Tech (India) Private Limited		132,208,855	-37.46	L-1		2.47%

L-1 bid is not an Abnormally Low Bid (ALB) as per this calc provided in NHAI Circular

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Member

M. S. Pandian
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T. Velraj
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C. Raghul
Convenor

Project Name: Operation & Maintenance of 4 laning of Tuticorin - Tirunelveli Section from Km 0/000 to km 47/250 of old No. NH-7A (New NH 138) in the State of Tamil Nadu

Name of Work: M&R work of Thamiraparani Section from Km 38+610 to 38+990 on NH 138 as per CRR report in the State of Tamil Nadu

BILL OF QUANTITIES					
Item No	Description	Unit	Quantity	Rate	Amount (Rs.)
Name & Place of the Bidder / Contractor		E FREYSSINET PRESTRESSED CONCRETE COMPA			
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 1000 metres.	Cum	38.12	1,256.00	47,878.72
2	Dismantling of flexible pavements and disposal of dismantled materials upto ma lead of 1000 m, stacking serviceable and unserviceable materials separately.	Cum	126.24	432	54,535.68
3	Providing and applying anti-corrosive coating of zinc based protective paint on HYSD reinforcement after thorough cleaning by wire brush and rust remover chemical as per Technical Specification	Sqm	66.21	151	9,997.71
4	Supplying, fitting and placing additional HYSD bar reinforcement with required dia, spacing and lap length which will be welded or firmly secured with existing reinforcement for strengthening and rearranging the existing reinforcement in super structure complete as per drawing and technical specification	MT	2.34	77,950.00	182,309.46
5	Providing and Pouring of flowable and self compacting Micro concrete for Deck slab of Major Bridge including centering and water tight shuttering all complete as per drawing and Technical Specification Clauses 1500, 1700, 2100, 2200 & 2300	Cum	50.46	44,556.00	2,248,295.76
6	Sealing of crack / porous concrete with Epoxy Grouting by injection through inserting nipples procedure with epoxy injection Gun complete as per clause 2803.1. Low viscous Epoxy Grout should be having following properties: 1. Mixed viscosity: 100mPa.s ± 10 mPa.s. 2. Compressive Strength ≥ 100 Mpa 3. Tensile Strength ≥ 60 Mpa 4. Flexural Strength ≥ 90 Mpa. Measurements as per the weight of mixed grout consumed	Kg	4,500.00	1,992.00	8,964,000.00
7	Providing and applying tack coat with Emulsion bitumen at the rate of 0.3 Kg/sqm on the prepared Concrete surface cleaned with mechanical broom.	Sqm	168.33	11	1,851.63
8	Providing and laying of Non woven glass fiber paving mat complete as per drawing and technical specifications	Sqm	168.33	243	40,904.19
9	Providing and laying bituminous concrete with 100 - 120 THP hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading premixed with bituminous binder at 5.4 to 5.6% by weight of total mix and filler, transporting the hot mix to site, laid over a previously prepared surface with a hydrostatic paver finisher with sensor control to the required grade, level and alignment and rolled with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per clause 509 of MORT & H specifications complete in all respects.	Cum	244.65	9859	2,411,955.06

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Name of Work: M&R work of Thamiraparani Section from Km. 38+610 to 38+990 on NH 138 as per CRR1 report in the State of Tamil Nadu.

BILL OF QUANTITIES					
Item No	Description	Unit	Quantity	Rate	Amount (Rs.)
10	Providing and laying 25 mm thick polymer modified bitumen mastic wearing course on top of deck slab excluding prime coat with paving grade bitumen meeting the requirements given in table 500-29, prepared by using mastic cooker and laid to required level and slope after cleaning the surface, including providing antiskid surface with bitumen precoated fine grained hard stone chipping of 9.5 mm nominal size at the rate of 0.005cum per 10 sqm and at an approximate spacing of 10 cm center to center in both directions, pressed into surface when the temperature of surfaces not less than 100 deg. C, protruding 1 mm to 4 mm over mastic surface, all complete as per clause 515.	Sqm	168.33	318	53,528.94
11	Providing and installing Carbon Laminates on Deck slab with Carbon Fiber strips having 1.4mm thickness & 100mm width having specifications of 1. Ultimate tensile strength: 3000 N/mm ² , 2. Rupture strain: 1.70% mm/mm 3. Modulus of Elasticity: 165000 N/mm ² by adhering with suitable adhesive. Item includes necessary surface preparation by grinding and evening out the irregularities by cementitious putty such that a smooth surface is available for laying/installing the Laminates. Item also includes necessary staging / Scaffolding to access the required location using well designed safe access platform.	Rmt	50,000.00	2,539.00	126,950,000.00
12	Providing and installing 6mm dia Carbon Anchor produced by knit-braiding process for fixing laminates & wrap. No site made or hand-made Anchor to be used.	No	100,000.00	236	23,600,000.00
13	Providing and installing Carbon Fiber Wrapping on Deck slab with Carbon Fiber Sheet of 600GSM Uni-directional Carbon Fabric with following properties 1. Tensile Strength of Fiber > 4900 MPa 2. E-Modulus of Fiber > 250 GPa 3. Tensile Strength of Composite Fabric Laminate > 1200 MPa 4. E-Modulus of Composite Fabric Laminate > 80 GPa Item includes necessary surface preparation by grinding and evening out the irregularities by cementitious putty such that a smooth surface is available for laying/installing the Carbon Wrap. Item also includes necessary staging / Scaffolding to access the required location using well designed safe access platform.	Sqm	9,340.30	4,698.00	43,880,729.40
14	Removal of defective concrete, cleaning the surface thoroughly, applying the Bond coat, comprising of Polymer, cement and water in the proportion of one part of polymer, one part of water and three parts of cement by weight and applying Polymer modified cement mortar in 2 to 3 layers comprising of Polymer, cement, sand, corrosion inhibitor and water in the proportion of 100 parts of cement, 300 parts of sand, 10 parts of polymer, 1 part of corrosion inhibitor and 30 parts of water by weight of cement as per Technical specification clause 2800.	Sqm	110.00	2943	323,730.00
15	Sealing of crack / porous concrete with Polymer modified cement grouting by injection through inserting nipples procedure with Grouting Pump complete as per clause 2803.1.	Kg	278.72	284	79,156.48
16	Load Testing of the Spans as per CRR1 Report and IRC protocols.	No.	6.00	425000	2,550,000.00
Total (Excluding GST)					211,398,873.03
Percentage above or below the estimated cost					-34.29
Quoted Tender Cost					138,910,199.46

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