NAYA RAIPUR DEVELOPMENT AUTHORITY

Tender Document for Design, Supply, Installation, Testing, Commissioning & Maintenance of Elevator and Escalator for office complex building ,retail complex building and Commercial building at Sector -21& 24 of Naya Raipur

(Following Three-Envelope Tender Procedure)

Schedule – A
Price Tender
To be submitted in ENVELOPE-3

NIT No. : 157/ELE&ECS/VB /ELECT /CE(E)/NRDA/2016-17,Naya Raipur Dated: 20. 01.2017

Issued by: Chief Executive Officer,
Naya Raipur Development Authority (NRDA)
Paryavasbhawan, North block, Sector- 19,
Naya Raipur- 492 002, Chhattisgarh
Tel No: + 91 771 2512500; Fax No.: +91 771 2512400.
Website: www.nayaraipur.gov.in

Tender Document Contains

(a) Only schedule "A" and Section-I of schedule "D" are to be filled & singed by the tenderer
(b) All the certificates as per pre qualification criteria shall be appendedwithrelevant forms of schedule"D"

1. PART ONE (NRDA F-1)-(Attached herewith, to be submit along the tender)

Part (A)

a) Press Notice
b) Detailed NIT

Part (B)

a) Schedule-A
   (i) Cost Abstract
   (ii) Bill of Quantities
b) Schedule-B –NIL
c) Schedule-C –NIL
d) Schedule-D

Section-I..... Technical tender forms

(i) Letter of Technical Tender
(ii) Tenderer's Information Sheet
(iii) Annual Turnover
(iv) Specific Construction Experience
(v) Declaration
(vi) Check list for Technical tender evaluation

Section –II ……..Scope of work
Section –III..... Technical specifications of work
Section –IV..... Special Conditions of Contract
Section –V..... List of approved makes
Section –VI..... Drawings

e) Schedule-E
f) Schedule-F

2. PART TWO (NRDA F-2/3))-Standard form (Not Attached herewith, and not to be submitted along the tender)
   Important note: - Link site http:// nayaraipur.com/documents/gcc.pdf

1. General Guidelines
2. Tender
3. General rules and directions
4. Conditions of contract
5. Clauses of contract
6. Model rules relating to labour, water supply and sanitation in labour camps safety code
7. Contract forms
   (a) Draft Format for Performance Security
   (b) Earnest Money Deposit Form (Bank Guarantee)
   (c) Format of Contract Agreement
   (d) Draft Format for Performance Guarantee for Water Proofing and Anti-termite Works
   (e) Indemnity Bond
   (f) Indenture Bond
   (g) Notice for Appointment of Arbitrator
8. Proforma of schedules (Schedule 'A' to Schedule 'F')

Naya Raipur Development Authority (NRDA)
Raipur, Chhattisgarh

Document details

Name of work : "Design, Supply, Installation, Testing, Commissioning & Maintenance of Elevator and Escalator for office complex building ,retail complex building and Commercial building at Sector -21& 24 of Naya Raipur**".**

Name of Tenderer:

Details

a) Cost of Tender Document : Rs

b) EMD : Rs

Signature of Tenderer

Date:_____

Cost Abstract Design ,Supply , Erection , Testing and Commissioning of Elevator and Escalator Including Maintenance Contract (AMC) for 3 years			
Sr. No.	**Description of Works**	**Total Amount in Rs.**	**Total Amount in Words (Rs)**
A	Design, Supply, Installation, Testing, Commissioning of Elevator and Escalator for office complex building ,Retail complex building and Commercial building at Sector - 21 & 24 of Naya Raipur		
B	Annual Comprehensive Maintenance for 3 year's of Elevator and Escalator for office complex building ,Retail complex building and Commercial building at Sector - 21 & 24 of Naya Raipur		
	Total Amount in INR		

BILL OF QUANTITIES
Design ,Supply , Erection , Testing and Commissioning of Elevator and Escalator

Project name :- Complex building ,Retail complex building and Commercial building at Sector -21&24 of Naya Raipur

S.No.	Description of Elevators	Unit	Qty.	Rate (Rs.) in		Amount (Rs.)
	PASSENGER ELEVATORS			**Rate(In INR) (In Figure)**	**Rate(In INR) (In Words)**	
1	Supply, installation , testing and commissioning of 13 passenger & 16 passenger lift with duplex & triplex operation as required, elevators for operation on 415 V, 3 Phase, 50 Hz AC supply,having AC variable voltage and variable frequency type traction control, electro magnetic brake system,simple operation, operating panel with luminous buttons, over load warning indicator, battery operated alarm bell, CFL type emergency light, intercom suitable for hook upto Society EPBAX, infrared rays sensing door protection for suitable height, reverse phase relay on controller, fireman's switch at ground phase relay on controller, phase relay on controller, fireman's switch at ground floor, digital car position indicator in car and at all positions indicator in car at all floors with UP/DOWN directions, light fixtures, ventilation fan etc. complete with all accessories including automatic rescue device and having following other features. Including all steel civil and electrical work required for installation of elevator in the exisiting lift well and machine room, scaffolding, cutting holes, grouting and making good to damages in wall , floor, ceiling etc. for fixing accessories foundation bolts etc., hoistway wiring and other associated wirings including fierman's switch complete in all respect and also conveyance,loading,unloading,royalties,taxes all material and cost all labours sundries,T&P required as per the direction of the Engineer-in-charge.					
	MACHINE LOCATION : IN LIFT MACHINE ROOM					
	CAR SIZE : MOST SUITABLE TO THE AVAILABLE PIT SIZE. AND SHOULD NOT BE LESS THAN IS SPECIFIED DIMENTION FOR PARTICULAR CATEGORY PASSENGER LIFT.					
	CAR ENCLOSURE/PANEL : HAIRLINE FINISH,					
	STAINLESS STEEL					
	CAR INTERIOR : STAINLESS STEEL PANNELS WITH HAIL LINE FINISH ON ALL SIDE.					
	CAR FLOOR : SINGLE PIECE OF MARBLE FOR EACH.					
	FLOORING : 25 MM RECESS IN PLATFORM					
	HOISTWAY/CAR DOORS : AUTOMATIC CENTRE					
	OPENING STAINLESS STEEL DOORS IN HAIR					
	LINE FINISH					
	COP BUTTON TYPE : MICRO ACTION ILLUMINATED HALL BUTTONS WITH DIRECTION ARROWS					
	HALL BUTTONS COMBINED WITH HALL					
	POSITION INDICATORS AT ALL FLOORS : MICRO ACTION BUTTONS ROUND RING ILLUMINATED WITH DIRECTION ARROWS AND DIGITAL INDICATORS.					

	Description of Elevators									
	ALL FIXTURES & FACEPLATE : IN STAINLESS STEEL HAIRLINE FINISH WITH AVAILABLE PIT SIZE.									
	Shaft Size Variation - +/- 75 mm									
	For the below mentioned stops, speed and passanger details									
	Stop/Floors	Speed	Passenger/Weight	Shaft Size	Door Size					
1.1	13 stop (B+G+11)	1.75 Mtr/sec.	16 P/1088 KG	2200 x 2450	900	Each	5			-
1.2	8 stop (B+G+6)	1.50 Mtr/sec.	16 P/1088 KG	2100 x 2500	900	Each	8			-
1.3	11 stop (B+G+9)	1.75 Mtr/sec.	13 P/884 KG	2150 x 2450	900	Each	4			-
1.4	6 stop (B+G+ 4)	1 Mtr/sec.	13 P/884 KG	2500 x 1900	900	Each	8			-
2	Supply, installation , testing and commissioning of 10 passenger, 13 passenger & 16 passenger lift with duplex & triplex operation as required, elevators for operation on 415 V, 3 Phase, 50 Hz AC supply,having AC variable voltage and variable frequency type traction control, electro magnetic brake system,simple operation, operating panel with luminous buttons, over load warning indicator, battery operated alarm bell, LED type emergency light, intercom suitable for hook upto Society EPBAX, infrared rays sensing door protection for suitable height, reverse phase relay on controller, fireman's switch at ground phase relay on controller, phase relay on controller, fireman's switch at ground floor, digital car position indicator in car and at all positions indicator in car at all floors with UP/DOWN directions, light fixtures, ventilation fan etc. complete with all accessories including automatic rescue device and having following other features. Including all steel civil and electrical work required for installation of elevator in the exisiting lift well and machine room, scaffolding, cutting holes, grouting and making good to damages in wall , floor, ceiling etc. for fixing accessories foundation bolts etc., hoistway wiring and other associated wirings including fierman's switch complete in all respect and also conveyance,loading,unloading,royalties,taxes all material and cost all labours sundries,T&P required as per the direction of the Engineer-in-charge.									
	MACHINE LOCATION :TOP OF THE SHAFT									
	CAR SIZE : MOST SUITABLE TO THE AVAILABLE PIT SIZE. AND SHOULD NOT BE LESS THAN IS SPECIFIED DIMENTION FOR PARTICULAR CATEGORY PASSENGER LIFT.									
	CAR ENCLOSURE/PANEL : HAIRLINE FINISH,									
	STAINLESS STEEL									
	CAR INTERIOR : STAINLESS STEEL PANNELS WITH HAIL LINE FINISH ON ALL SIDE.									
	CAR FLOOR : SINGLE PIECE OF MARBLE FOR EACH.									
	FLOORING : 25 MM RECESS IN PLATFORM									
	HOISTWAY/CAR DOORS : AUTOMATIC CENTRE									
	OPENING STAINLESS STEEL DOORS IN HAIR									

	LINE FINISH									
	COP BUTTON TYPE : MICRO ACTION ILLUMINATED HALL BUTTONS WITH DIRECTION ARROWS									
	HALL BUTTONS COMBINED WITH HALL									
	POSITION INDICATORS AT ALL FLOORS : MICRO ACTION BUTTONS ROUND RING ILLUMINATED WITH DIRECTION ARROWS AND DIGITAL INDICATORS.									
	Description of Lifts									
	ALL FIXTURES & FACEPLATE : IN STAINLESS STEEL HAIRLINE FINISH WITH AVAILABLE PIT SIZE.									
	Shaft Size Variation - +/- 75 mm									
	For the below mentioned stops, speed and passanger details									
	Stop/Floors	Speed	Passenger/Weight	Shaft Size	Door Size					
2.1	4 stop (B+G+2)	1.50 Mtr/sec.	16 P/1088 KG	2200 x 2450	900	Each	2			-
2.2	3 stop (B+G+1)	1.50 Mtr/sec.	16 P/1088 KG	2100 x 2500	900	Each	3			-
2.2	3 stop (B+G+1)	1.50 Mtr/sec.	10 P/680 KG	2000 x 2000	900	Each	1			-
3	Supply, installation , testing and commissioning of 1000 Kg goods lift with elevators for operation on 415 V, 3 Phase, 50 Hz AC supply,having AC variable voltage and variable frequency type traction control, electro magnetic brake system,simple operation, operating panel with luminous buttons, over load warning indicator, battery operated alarm bell, LED type emergency light, intercom suitable for hook upto Society EPBAX, infrared rays sensing door protection for suitable height, reverse phase relay on controller, fireman's switch at ground phase relay on controller, phase relay on controller, fireman's switch at ground floor, digital car position indicator in car and at all positions indicator in car at all floors with UP/DOWN directions, light fixtures, ventilation fan etc. complete with all accessories including automatic rescue device and having following other features. Including all steel, civil and electrical work required for installation of elevator in the exisiting lift well and machine room, scaffolding, cutting holes, grouting and making good to damages in wall , floor, ceiling etc. for fixing accessories foundation bolts etc., hoistway wiring and other associated wirings including fierman's switch complete in all respect and also Conveyance, loading, unloading, royalties ,taxes all material and cost all labours sundries,T&P required as per the direction of the Engineer-in-charge.									
	MACHINE LOCATION : IN LIFT MACHINE ROOM									
	CAR SIZE : MOST SUITABLE TO THE AVAILABLE PIT SIZE. AND SHOULD NOT BE LESS THAN IS SPECIFIED DIMENTION FOR PARTICULAR CATEGORY PASSENGER LIFT.									
	CAR ENCLOSURE/PANEL : HAIRLINE FINISH,									
	STAINLESS STEEL									
	CAR INTERIOR : STAINLESS STEEL PANNELS WITH HAIL LINE FINISH ON ALL SIDE.									
	CAR FLOOR : SINGLE PIECE OF MARBLE FOR EACH.									
	FLOORING : 25 MM RECESS IN PLATFORM									
	HOISTWAY/CAR DOORS : AUTOMATIC CENTRE									
	OPENING STAINLESS STEEL DOORS IN HAIR									
	LINE FINISH									

	COP BUTTON TYPE : MICRO ACTION ILLUMINATED HALL BUTTONS WITH DIRECTION ARROWS									
	HALL BUTTONS COMBINED WITH HALL									
	POSITION INDICATORS AT ALL FLOORS : MICRO ACTION BUTTONS ROUND RING ILLUMINATED WITH DIRECTION ARROWS AND DIGITAL INDICATORS.									
	Shaft Size Variation - +/- 75 mm									
	Description of Lifts									
	ALL FIXTURES & FACEPLATE : IN STAINLESS STEEL HAIRLINE FINISH WITH AVAILABLE PIT SIZE.									
	For the below mentioned stops, speed and passanger details									
	Stop/Floors	Speed	Weight	Shaft Size	Door Size					
3.1	13 stop (B+G+11)	1.75 Mtr/sec.	1000 KG	1850 x 3000	900	Each	1			-
3.2	11 stop (B+G+9)	1.75 Mtr/sec.	1000 KG	1800 x 3000	900	Each	1			-
3.3	8 stop (B+G+6)	1.50 Mtr/sec.	1000 KG	2100 x 3000	900	Each	4			-
4	Landing Doors with frame					Each	26			-
5	**Design, supply , installation, testing and commissioning of reversible escalators**									
5.1	The Escalator shall be of State-of-the-art technology, having nominal step width of 1000 mm, with 3 nos. horizontal Steps on top and bottom landing area and the nominal speed will be 0.5 m/sec. For the aforesaid step width and nominal speed, maximum carrying capacity as per EN115-1:2008 will be 100 passengers per minute. The escalator shall be complete with all safety features and shall fully comply with International Standard EN-115 latest version.					Each	17			-
5.2	The Escalators shall be reversible type and capable of operating safely, smoothly and continuously in both directions for a period of not less than 20 hours a day, seven (7) days a week with an alternating passenger load reaching 100% of Contract Load (120 kg per step) for two hours and 50% of Contract Load for the following hour within the environmental conditions as stated in the specification and at the location where the escalators are to be installed									
5.3	The angle of inclination of escalator shall be 35° and minimum transition radius shall be 2.6 meters at the upper landing and 2.0 meters at the lower landing.									
	Total Amount of Work (INR)									-