BANK OF BARODA

Baroda Apex Academy

Design, supply, installation, testing and commissioning of Mechanical Car Parking System at Baroda Apex Academy Building at Ahmedabad

Revised Technical Specifications

Section- 2

Revised Technical Specification of Stack Parking

Item No:- 1

Design, supply, installation, testing and commissioning of Electro-Hydraulic Twin Park Palette Parking System based on lifting mechanism through hydraulic cylinder, to be provided in the basements. Normal adjustable size with the minimum lower level height clearance shall be as per OEM standards. The minimum weighting capacity of lift will be 2.0 tons. Overall parking structure adjustable height as per OEM standards and site requirement. The structure should be powder coated, Platform raised height maximum 2.1 meter height with metal framing with GI Corrugated platform profiles with H beam / sheet metal. It should be complete with independent power pack (approx. 1.5 KW or as per OEM, low noise submerged type), operator keys, operating rode as per OEM Standards. Average retrieval/parking time should not be greater than 120 seconds & the Lifting speed should be min. @ 3 Meter/Minute of best available as per manufacturer's standard.

System should be double cylinder driven with chain. Safety feature should include cut-off sensors at the top and car below the platforms (Mandatory requirement). The cost of the systems includes 3 phase supply to each module from electrical panel, complete with suitable reqd. core & size of electrical cable, control switchgear & necessary earthing, MCB and Junction box and any other electrical required for the operation of the systems. The system should have warranty for 5 years comprehensive.

Note: Lower basement height should be considered for SUV + Sedan and Upper basement height should be considered for Sedan + Hatchback.

Bank reserve rights to install any type of stack parking at any location as per site condition.

Mode of Measurement:

- The work must be completed as per drawings and instructions by EIC/Architect.
- The measurement shall be taken in **palette**.

Rate:

- The rates for the item shall include the cost of all the material, electrical, tools, and

labor, involved in all the operations described above including oil for all lifts at all levels no additional payment for wastage.

Item No:- 2

Same as per item no 1- for 3 Level 2 Post Parking Lift with Independent Power Pack with support system.

-Independent Power Pack and Dual Cylinder.

- Powder coated Color Suitable for All Sedan Cars.

- The cost of the systems includes 3 phase supply to each module from electrical panel, complete with suitable reqd. core & size of electrical cable, control switchgear & necessary earthing, MCB and Junction box and any other electrical required for the operation of the systems. The system should have warranty for 5 years comprehensive.

Note: Three stack park lift should be considered for SUV + Sedan + Sedan at any floor as directed.

Bank reserve rights to install any type of stack parking at any location as per site condition.

Mode of measurement:

- The work must be completed as per drawings and instructions by EIC/Architect.
- The measurement shall be taken in **palette**.

Rate:

- The rates for the item shall include the cost of all the material, electrical, tools, and labor, involved in all the operations described above including oil for all lifts at all levels no additional payment for wastage.

(Make of Material)

Sr. No.	Item Particular	Approved Make / Brand
01	Steel / Structural Steel	TATA, SAIL, VIZAG
02	G. I. Sheet	TATA, JINDAL,
03	Distribution Board	LEGRAND / SCHNIEDER / HAGER- NC / L&T / SIEMENS / ABB
04	Cables	RR Cable, AVOCAB, POLYCAB
05	Rigid/ Flexible conduit	ISI & FIA approved & manufactured from virgin material. Precision (PPI), Anchor (Panasonic), Polycab
06	MCB/ ELMCB	LEGRAND - DX3 / SCHNIEDER – ACTI 9(A9N) / HAGER- NC / L&T / SIEMENS / ABB
07	MCCB	LEGRAND – DPX3 & DPX / SCHNIEDER - NSX / L&T - Dsine/ SIEMENS / ABB
08	Switches	Legrand (Arteor) / Honeywell (Element) / Norisys (Equivalent To Legrand)
09	Glands	Compression type, Heavy duty and deep threding with rubber-ring and double washers. (Sample tobe approved) HMI, Comet
10	Cable Lugs	Dowells, 3-D (Copper long nack), Comet
11	Flexible Copper Wires	FRLS type : Havell's, Finolex, RR cable, polycab, Avocab, Lapp