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| <p align="center"><b>Government eProcurement System</b><br/> <b>Created By: A.V Rama Krishna</b><br/> <b>Created Date/Time: 27-Jan-2020 04:03 PM</b><br/> <b>Tender Title: Construction of New Watch Towers and Renovation of old watch Towers at Begumpet Airport Hyderabad</b><br/> <b>Tender ID: 2020_AAI_39413_1</b></p> |
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**Tender Inviting Authority: AGM (E-C)-I, AAI, Begumpet Airport, Hyderabad.**

**Name of Work: Construction of New Watch Towers and Renovation of old watch Towers Begumpet Airport, Hyderabad.**

**Contract No: 2020\_AAI\_39413\_1**

| <b>SCHEDULE OF WORK / ITEM(S)</b> |                                      |                  |              |                       |                           |
|-----------------------------------|--------------------------------------|------------------|--------------|-----------------------|---------------------------|
| <b>Sl.No</b>                      | <b>Description of Work / Item(s)</b> | <b>No.of Qty</b> | <b>Units</b> | <b>Estimated Rate</b> | <b>RSR INFR (INDIA) P</b> |

|      |                                                                                                                                                                                                                                                                                                                                                                                  |       |      |        | <b>Rate</b>    |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|--------|----------------|
| 1.00 | Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil. | 23.00 | Cum  | 100.00 | <b>50.00</b>   |
| 2.00 | Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.                                                                                                                                        | 14.00 | Cum  | 100.00 | <b>20.00</b>   |
| 3.00 | Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate                                                                                                         | 13.00 | Cum  | 100.00 | <b>5000.00</b> |
| 4.00 | Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :1 : 5 : 10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)                                                                                                                                             | 9.00  | Cum  | 100.00 | <b>3500.00</b> |
| 5.00 | Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete                                                                                                                                                                                                                            | 16.00 | Sqm  | 100.00 | <b>250.00</b>  |
| 6.00 | Brick work with non modular fly ash bricks conforming to IS:12894, class designation 5 average compressive strength in super structure above plinth level up to floor V level in : A) Cement mortar 1:6 (1 cement : 6 Coarse sand)                                                                                                                                               | 3.00  | Cum  | 100.00 | <b>5500.00</b> |
| 7.00 | Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. 125x65x2.12 mm                                                                                                                                                                                                                                                            | 24.00 | Each | 100.00 | <b>40.00</b>   |
| 8.00 | Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 300x16 mm                                                                                                                                                                                                                                                                  | 4.00  | Each | 100.00 | <b>150.00</b>  |

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |       |        |               |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|--------|---------------|
| 9.00  | Providing and fixing aluminium die cast body tubular type universalhydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.                                                                                                                                                                                      | 6.00    | Each  | 100.00 | <b>650.00</b> |
| 10.00 | Providing and fixing aluminium tower bolts, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete :300x10 mm                                                                                                                                                                                                                         | 6.00    | Each  | 100.00 | <b>150.00</b> |
| 11.00 | Providing and fixing aluminium handles, ISI marked, anodised (anodiccoating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :125 mm                                                                                                                                                                                                                                 | 12.00   | Each  | 100.00 | <b>50.00</b>  |
| 12.00 | Providing and fixing bright finished brass 100 mm mortice latch and lock, ISI marked, with six levers and a pair of anodised (anodic coating not less than grade AC 10 as per IS : 1868) aluminium lever handles of approved quality with necessary screws etc. complete.                                                                                                                                                                            | 6.00    | Each  | 100.00 | <b>500.00</b> |
| 13.00 | Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete                                                                                                                                                                                                                                     | 7686.00 | Kg    | 100.00 | <b>76.00</b>  |
| 14.00 | Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.<br>10.16.1 Hot finished welded type tubes                                                                                                                                | 2802.00 | Kg    | 100.00 | <b>79.00</b>  |
| 15.00 | Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete                                                                                                                              | 4456.00 | Kg    | 100.00 | <b>74.00</b>  |
| 16.00 | Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. | 23.00   | Sqm   | 100.00 | <b>600.00</b> |
| 17.00 | Extra for providing and fixing wind ties of 40x 6 mm flat iron section.                                                                                                                                                                                                                                                                                                                                                                              | 144.00  | Metre | 100.00 | <b>90.00</b>  |

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| 18.00 | <p>Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts &amp; bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with :</p> <p>A) 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- Part I</p> | 23.00  | Sqm   | 100.00 | 600.00 |
| 19.00 | <p>Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 micronsepoxy primer on both side of the sheet and polyester top coat 15-18microns. Sheet should have protective guard film of 25 micronsminimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 113.00 | Sqm   | 100.00 | 550.00 |
| 20.00 | <p>Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+ 0.05 %) total coated thickness, Zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7microns epoxy primer on both side of the sheet and polyester topcoat 15-18 microns using self drilling/ self tapping screws complete : 12.51.1 Ridges plain (500 - 600mm)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 44.00  | Metre | 100.00 | 300.00 |
| 21.00 | <p>12 mm cement plaster of mix : A) 1:6 (1 cement: 6 coarse sand)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 10.00  | Sqm   | 100.00 | 200.00 |

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| 22.00 | Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 66.00   | Sqm | 100.00 | 120.00 |
| 23.00 | Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :<br>Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 400.00  | Sqm | 100.00 | 100.00 |
| 24.00 | Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 1022.00 | Kg  | 100.00 | .50    |
| 25.00 | Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :For fixed portion<br>Powder coated aluminium (minimum thickness of powder coating 50 micron)                                                                                                                                                                                                                                            | 444.00  | Kg  | 100.00 | 400.00 |
| 26.00 | Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately)<br>For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron) | 103.00  | Kg  | 100.00 | 420.00 |
| 27.00 | Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5.50 mm thickness                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 80.00   | Sqm | 100.00 | 950.00 |

|       |                                                                                                                                                                                                                                                                                                                                                                                                             |         |    |        |              |
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| 28.00 | Credit for taking away of existing Structural steel as Angle section as per direction of EIC under itme no : 27<br>(Note : This item will be operated as a credit item and the agency must quoted their rate accordingly. This amount quoted against this item will be treated as negative and overall total amount shall be adjusted accordingly to arrive at the final amount to establish lowest bidder) | 1022.00 | Kg | 100.00 | <b>25.00</b> |
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Total in Figures

Lowest Amount Quoted BY: RSR INFRA WORKS (INDIA) PVT. LTD.,(1752379.00)

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| A WORKS<br>VT. LTD., | M/S SAI VISHNU<br>CONSTRUCTIONS |          |
|----------------------|---------------------------------|----------|
| Amount               | Rate                            | Amount   |
| 1150.00              | 170.00                          | 3910.00  |
| 280.00               | 200.00                          | 2800.00  |
| 65000.00             | 470.00                          | 6110.00  |
| 31500.00             | 5500.00                         | 49500.00 |
| 4000.00              | 280.00                          | 4480.00  |
| 16500.00             | 7200.00                         | 21600.00 |
| 960.00               | 40.00                           | 960.00   |
| 600.00               | 180.00                          | 720.00   |

| L1 Amount | L1 Vendor                                                                              |
|-----------|----------------------------------------------------------------------------------------|
| 1150.00   | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD.,                                            |
| 280.00    | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD.,                                            |
| 6110.00   | M/S SAI<br>VISHNU<br>CONSTRUC<br>TIONS                                                 |
| 31500.00  | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD.,                                            |
| 4000.00   | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD.,                                            |
| 16500.00  | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD.,                                            |
| 960.00    | M/S SAI<br>VISHNU<br>CONSTRUC<br>TIONS, RSR<br>INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 600.00    | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD.,                                            |

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|-----------|---------|-----------|
| 3900.00   | 900.00  | 5400.00   |
| 900.00    | 110.00  | 660.00    |
| 600.00    | 60.00   | 720.00    |
| 3000.00   | 740.00  | 4440.00   |
| 584136.00 | 90.00   | 691740.00 |
| 221358.00 | 110.00  | 308220.00 |
| 329744.00 | 90.00   | 401040.00 |
| 13800.00  | 1000.00 | 23000.00  |
| 12960.00  | 150.00  | 21600.00  |

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| 3900.00   | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 660.00    | M/S SAI<br>VISHNU<br>CONSTRUC<br>TIONS      |
| 600.00    | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 3000.00   | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 584136.00 | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 221358.00 | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 329744.00 | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 13800.00  | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 12960.00  | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |

|          |         |          |
|----------|---------|----------|
| 13800.00 | 1100.00 | 25300.00 |
| 62150.00 | 600.00  | 67800.00 |
| 13200.00 | 400.00  | 17600.00 |
| 2000.00  | 250.00  | 2500.00  |

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| 13800.00 | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 62150.00 | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 13200.00 | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 2000.00  | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |

|           |         |           |
|-----------|---------|-----------|
| 7920.00   | 160.00  | 10560.00  |
| 40000.00  | 150.00  | 60000.00  |
| 511.00    | 4.00    | 4088.00   |
| 177600.00 | 400.00  | 177600.00 |
| 43260.00  | 400.00  | 41200.00  |
| 76000.00  | 1000.00 | 80000.00  |

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| 7920.00   | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD.,                                            |
| 40000.00  | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD.,                                            |
| 511.00    | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD.,                                            |
| 177600.00 | M/S SAI<br>VISHNU<br>CONSTRUC<br>TIONS, RSR<br>INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
| 41200.00  | M/S SAI<br>VISHNU<br>CONSTRUC<br>TIONS                                                 |
| 76000.00  | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD.,                                            |

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| 25550.00 | 50.00 | 51100.00 |
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| 25550.00 | RSR INFRA<br>WORKS<br>(INDIA) PVT.<br>LTD., |
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1752379.00

2084648.00