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# भारतीयविमानपत्तनप्राधिकरण

AIRPORTS AUTHORITY OF INDIA

सं./Ref. No. AAI/HYD/JGM (E)/ KAL- CW-01/2022-23/144 दिनांक /Date: 12.05.2022

**BY SPEED POST/E-MAIL**

सेवा में/To,

**M/s. JCC ENGINEERS PRIVATE LIMITED,**

**1<sup>st</sup> Floor, Raghunath Market,**

**Near Telephone Exchange,**

**Pathankot- 145001.**

**कार्य का नाम/ Name of Work :** Provision of Second Runway Circuit including strengthening of existing GLF system at Kalaburgi Airport.

स सं./Ref. 1. Bid Invitation No. 2022 AAI\_110216 1/dated. 18.03.2022

2. Your E-tender (Envelope-II -Financial bid) opened on 27.04.2022

महोदय / Dear sir(s),

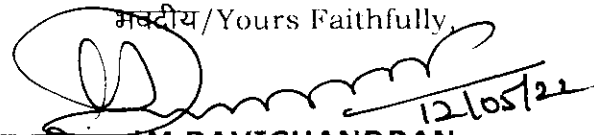
1. Your tender for the work mentioned above is hereby accepted on behalf of the Chairman, Airports Authority of India, at the item rates quoted by you totaling to **Rs 2,48,55,555/-** (Rupees Two Crore Forty Eight Lakhs Fifty Five Thousand Five Hundred and Fifty Five only) excluding GST which is **13.83% below** the justified cost of **Rs. 2,88,47,904/-** excluding GST.
2. The Jt. General Manager (Engg-E), AAI, Hyderabad Airport, Begumpet, shall be the Engineer-in-Charge of the work. You are requested to attend the office of the Jt. General Manager (Engg-E), AAI, Begumpet Airport, Hyderabad - 500 016 by **20.05.2022** to sign and complete contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees One hundred only) and the cost of the stamp papers shall be borne by you.
3. Please deposit **Rs.24, 85,555/-** (Rupees Twenty-Four lakh Eighty-Five Thousand Five Hundred and Fifty-Five only) towards security deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from yours running bills as per condition of Clause I(A) on Page GCC Page 15 of contract document.
4. You are requested to comply with the provisions of Contract Labour (Regulation and Abolition) Act of 1970 and Contract Labour (Regulation and Abolition) Central rules 1971 and minimum wages act and rules there of Central and State Governments.

Contd.,

12/5/22

5. You are also directed to contact Asst General Manager (Engg-E), AAI, Hyderabad Airport / Manager (Engg-Elect), AAI, Kalaburgi Airport, Kalaburgi - 585 102 immediately who will arrange to hand over the site to you.
6. Please note that the time allowed for carrying out the work shall be 02 (**Two**) **Months** which same shall be reckoned from the date of placement of this order ie., **12.05.2022**.
6. Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-charge.
7. Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

अनुलग्नक/Encl :Schedule of Quantities

भवदीय/Yours Faithfully,  
  
एम रविचंद्रन | M RAVICHANDRAN

सं.महाप्रबंधक (अभि-वि)/Jt. General Manager (Engg-E),  
अध्यक्ष के लिए एवं की ओर से/For & On Behalf of The Chairman,  
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India,  
भा वि प्रा, हैदराबाद हवाई अड्डा/AAI, Begumpet Airport  
Hyderabad- 500 016

NOO:

में कॉपी / Copy to:-

1. The General Manager (Engg)-RHQ-SR, AAI, Chennai.
2. The General Manager (Fin)-RHQ-SR, AAI, Chennai. - FC accorded by SM ( F & A), RHQ/ SR vide Note #21 dated 11/05/2022 on c office file No. EC-12015/2/2022-APD-SR-GULBARGA
3. The General Manager (CIC), AAI, Begumpet Airport, Hyderabad.
4. The Jt.General Manager (Engg-Civil), AAI, Begumpet Airport, Hyderabad
5. Airport Director, Kalaburgi Airport, Kalaburgi -585102.
6. Asst. General Manager (Engg-Elect), AAI, Begumpet Airport, Hyderabad
7. Manager (E-E), Kalaburgi Airport, Kalaburgi -585102.
8. Works File.

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# Item Rate BoQ

Validate Print Help

Tender Inviting Authority: Asst.Gen .MANAGER(E-E)

Name of Work: Provision of Second Runway Circuit including strengthening of existing GLF system at Kalaburgi Airport

Contract No: AAL\_2022\_

| JCC ENGINEERS PRIVATE LIMITED                                                                                                                                                                                                                               |         | PRICE SCHEDULE |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |          |        |       |          |                                                         |           |                                     |                                    |                       |        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|--------|-------|----------|---------------------------------------------------------|-----------|-------------------------------------|------------------------------------|-----------------------|--------|
| (This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only ) |         |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |          |        |       |          |                                                         |           |                                     |                                    |                       |        |
| NUMBER #                                                                                                                                                                                                                                                    | Sl. No. | TEXT #         | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | NUMBER # | Quantity | TEXT # | Units | NUMBER # | BASIC RATE In Figures To be entered by the Bidder Rs. P | NUMBER #  | TOTAL AMOUNT Without Taxes in Rs. P | NUMBER #                           | TOTAL AMOUNT In Words | TEXT # |
| 1                                                                                                                                                                                                                                                           | 1.01    | 2              | Supply of Bi-Directional Elevated High Intensity Halogen Type Runway Edge Light Fitting complete with prefocus lamp holder, 150 watt 6.6 A halogen lamp ,clear outer prismatic dome, clear inner prismatic lens, lens holding mechanism, ball joint for easy levelling, breakable coupling, central column mounting assembly, gaskets, two pin secondary lead plug suitable for connection with isolating transformer, base plate with 6 nos. M-10 stainless steel bolts, spring & plain washers & other accessories etc. and confirming to particular specification with lens including lamp etc. as required to meet latest ICAO requirement. | 4        | 150.00   | 5      | Each  | 13       | 6000.00                                                 | 53        | 900000.00                           | 55                                 | INR Nine Lakh Only    |        |
| 1.02                                                                                                                                                                                                                                                        |         |                | Supply of Bi-directional High Intensity Halogen Type Runway Edge Lighting Inset fitting suitable for 105 Watts, 6.6 Amps Halogen Lamp, complete with Reflector, 2 No's 105 Watts Halogen Lamps Two Pin Secondary Leads plugs, base with six numbers M-10 Steel Bolts, and spring and plain washers and other accessories confirming. complete as required. [As per ICAO Specifications] -White/White                                                                                                                                                                                                                                            |          | 4.00     | Each   |       | 47500.00 |                                                         | 190000.00 |                                     | INR One Lakh Ninety Thousand Only  |                       |        |
| 1.03                                                                                                                                                                                                                                                        |         |                | Supply of Bi-directional High Intensity Halogen Type Runway Edge Lighting Inset fitting suitable for 105 Watts, 6.6 Amps Halogen Lamp, complete with Reflector, 2 No's 105 Watts Halogen Lamps Two Pin Secondary Leads plugs, base with six numbers M-10 Steel Bolts, and spring and plain washers and other accessories confirming. complete as required. [As per ICAO Specifications] - White/Yellow                                                                                                                                                                                                                                          |          | 16.00    | Each   |       | 47500.00 |                                                         | 760000.00 |                                     | INR Seven Lakh Sixty Thousand Only |                       |        |
| 1.04                                                                                                                                                                                                                                                        |         |                | Supply of Inset Type Uni Directional Approach Light Fitting complete with bottom box and all accessories including halogen lamp (3X105W), lens / filter, reflector etc. as required and as specified. ( As per ICAO Specification )                                                                                                                                                                                                                                                                                                                                                                                                             |          | 2.00     | Each   |       | 47500.00 |                                                         | 95000.00  |                                     | INR Ninety Five Thousand Only      |                       |        |

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| Sl. No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quantity | Units | BASIC RATE In Figures To be entered by the Bidder Rs. P | TOTAL AMOUNT Without Taxes in Rs. P | TOTAL AMOUNT In Words                                 |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|---------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| 1       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 4        | 5     | 13                                                      | 53                                  | 55                                                    |
| 1.05    | Supply of 300W Inset Type Bi Directional Threshold cum End Light ( Runway End(Red)1x105w lamp/Threshold (Green) Light Fitting 2x105w lamp complete with bottom box and all accessories including halogen lamp (3 x 105 W), lens / filter, reflector etc. as required and as specified. ( As per ICAO Specification)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 12.00    | Each  | 47500.00                                                | 570000.00                           | INR Five Lakh Seventy Thousand Only                   |
| 1.06    | Supply of Taxiway Edge Elevated type light fixtures up to 15 Watts & meeting ICAO requirements LED lamp of series circuit 2.8 - 6.6 amps current, complete with base plate, breakable coupling, mounting assembly, gasket, BLUE lens, one 2 pole-plug with leads etc. conforming to particular specification as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 73.00    | Each  | 3800.00                                                 | 277400.00                           | INR Two Lakh Seventy Seven Thousand Four Hundred Only |
| 1.07    | Supply of C.I. Isolating Transformer housing box,water tight round type,metal container of outside size 330mm height 450mm made of 10mm thick cast iron moulding suitable to receive a light fitting base plate on the top and underground housing associated with transformer power cable and having a clear hole centre at one side surface centre 75mm above bottom surface suitable to receive two of 50mm dia "B" class GI pipe, at one side surface centre 175mm above bottom suitable to receive 32/50mm secondary lead cable and including check nuts as required and another hole at 175mm from the bottom of the CI Box to receive one no. 15mm dia "B" class GI pipe and check nut as required.The box should have two SS earth bolts of M10 x 30mm tapped inside near the hole (4" away from the hole centre) and having a drain hole at the bottom suitably tapped to receive 15mm dia "B" class GI pipe and having clear opening of 220 mm at the top surface and 6 nos. M10 tapped hole at the hole centre 260 mm to receive fitting base plate and bolts as required as per the drawings- Double hole | 175.00   | Each  | 4900.00                                                 | 857500.00                           | INR Eight Lakh Fifty Seven Thousand Five Hundred Only |
| 1.08    | Supply of CI collar, outer dia 330mm of for the following height made of 10mm thick all round except on top surface which is 15mm thick , with clear opening of 220mm at the top surface and bottom. With provision of 6 nos, M10 tapped holes on top and 6 nos through holes at bottom to fix M10 bolts at 260mm PCD for fixing on existing C.I. Transformer house boxes installed at site etc as required. a)200mm height with 32/50 mm hole in side centre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 120.00   | Job   | 2500.00                                                 | 300000.00                           | INR Three Lakh Only                                   |
| 1.09    | Supply of CI collar, outer dia 330mm of for the following height made of 10mm thick all round except on top surface which is 15mm thick , with clear opening of 220mm at the top surface and bottom. With provision of 6 nos, M10 tapped holes on top and 6 nos through holes at bottom to fix M10 bolts at 260mm PCD for fixing on existing C.I. Transformer house boxes installed at site etc as required. b)75mm Height with 32 mm hole in side centre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 10.00    | Job   | 2000.00                                                 | 20000.00                            | INR Twenty Thousand Only                              |



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| Sl. No. | Item Description                                                                                                                                                                                                                                                                                                                                                    | Quantity | Units | BASIC RATE In Figures To be entered by the Bidder Rs. P | TOTAL AMOUNT Without Taxes in Rs. P | TOTAL AMOUNT In Words                                |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|---------------------------------------------------------|-------------------------------------|------------------------------------------------------|
| 1       | 2                                                                                                                                                                                                                                                                                                                                                                   | 4        | 5     | 13                                                      | 53                                  | 55                                                   |
| 1.10    | Supply of following size 5 KV Grade stranded Copper Conductor single core PVC insulated, PVC sheathed, unshielded, anti-termite and rodent treated, airport lighting cable generally conforming to IS 1554- Part-II 1981 with up to date amendments and as specified in particular specifications of the following sizes as required. - <b>Single Core 16 Sq.mm</b> | 25000.00 | Mtr   | 170.00                                                  | 4250000.00                          | INR Forty Two Lakh Fifty Thousand Only               |
| 1.11    | Supply of following size 5 KV Grade stranded Copper Conductor single core PVC insulated, PVC sheathed, unshielded, anti-termite and rodent treated, airport lighting cable generally conforming to IS 1554- Part-II 1981 with up to date amendments and as specified in particular specifications of the following sizes as required. - <b>Two core 16 Sq.mm</b>    | 750.00   | Mtr   | 340.00                                                  | 255000.00                           | INR Two Lakh Fifty Five Thousand Only                |
| 1.12    | Supply of following size 5 KV Grade stranded Copper Conductor single core PVC insulated, PVC sheathed, unshielded, anti-termite and rodent treated, airport lighting cable generally conforming to IS 1554- Part-II 1981 with up to date amendments and as specified in particular specifications of the following sizes as required. - <b>Single Core 6 Sq.mm</b>  | 2500.00  | Mtr   | 95.00                                                   | 237500.00                           | INR Two Lakh Thirty Seven Thousand Five Hundred Only |
| 1.13    | Supply of following size 5 KV Grade stranded Copper Conductor single core PVC insulated, PVC sheathed, unshielded, anti-termite and rodent treated, airport lighting cable generally conforming to IS 1554- Part-II 1981 with up to date amendments and as specified in particular specifications of the following sizes as required. - <b>Two core 6 Sq.mm</b>     | 11500.00 | Mtr   | 180.00                                                  | 2070000.00                          | INR Twenty Lakh Seventy Thousand Only                |
| 1.14    | Supply of 2core 2.5sq.mm Secondary lead connector of length 10Mtr suitable for Taxi Edge light fitting. (1set=10Mtr length)                                                                                                                                                                                                                                         | 140.00   | Each  | 1800.00                                                 | 252000.00                           | INR Two Lakh Fifty Two Thousand Only                 |
| 1.15    | Supply of 2C x 2.5 sq.mm., 600V Grade Flexible Copper Conductor, EPR insulated & CPE (Chlorinated Polyethylene, cross - linked, heavy duty) outer sheath (Black colour) Secondary cable for Airport lighting circuits as required.                                                                                                                                  | 400.00   | Mtr   | 160.00                                                  | 64000.00                            | INR Sixty Four Thousand Only                         |
| 1.16    | Supply of following rating 5000V, 50 Hz Series Isolating Transformers encapsulated in polyester resin, finally moulded in neoprene type rubber and with primary and secondary connections etc as required - <b>300 watts, 20 / 6.6 amps.</b>                                                                                                                        | 20.00    | Each  | 7500.00                                                 | 150000.00                           | INR One Lakh Fifty Thousand Only                     |
| 1.17    | Supply of following rating 5000V, 50 Hz Series Isolating Transformers encapsulated in polyester resin, finally moulded in neoprene type rubber and with primary and secondary connections etc as required - <b>200 watts, 20 / 6.6 amps.</b>                                                                                                                        | 20.00    | Each  | 5500.00                                                 | 110000.00                           | INR One Lakh Ten Thousand Only                       |
| 1.18    | Supply of following rating 5000V, 50 Hz Series Isolating Transformers encapsulated in polyester resin, finally moulded in neoprene type rubber and with primary and secondary connections etc as required - <b>150 watts, 20 / 6.6 amps.</b>                                                                                                                        | 275.00   | Each  | 5100.00                                                 | 1402500.00                          | INR Fourteen Lakh Two Thousand Five Hundred Only     |
| 1.19    | Supply of following rating 5000V, 50 Hz Series Isolating Transformers encapsulated in polyester resin, finally moulded in neoprene type rubber and with primary and secondary connections etc as required - <b>15 watts, 20/6.6 amps</b>                                                                                                                            | 20.00    | Each  | 2600.00                                                 | 52000.00                            | INR Fifty Two Thousand Only                          |

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| Sl. No. | Item Description                                                                                                                                                                                                                                                                                              | Quantity | Units | BASIC RATE in Figures To be entered by the Bidder Rs. p | TOTAL AMOUNT Without Taxes in Rs. p | TOTAL AMOUNT In Words                       |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|---------------------------------------------------------|-------------------------------------|---------------------------------------------|
| 1       | 2                                                                                                                                                                                                                                                                                                             | 4        | 5     | 13                                                      | 53                                  | 55                                          |
| 1.20    | Supply of following rating 5000V, 50 Hz Series Isolating Transformers encapsulated in polyester resin, finally moulded in neoprene type rubber and with primary and secondary connections etc as required - 15 watts, 6.6 / 6.6 amps.                                                                         | 60.00    | Each  | 2600.00                                                 | 156000.00                           | INR One Lakh Fifty Six Thousand Only        |
| 1.21    | Supply of 6sqmm 5 KV grade dry type Plug and Receptacle of type I, class 'B' primary connector kit with field attachment and suitable for 5 KV grade single core copper conductor, XLPE insulated PE outer sheathed shielded cable, complete as required confirming to the technical specification. 6 Sq.mm   | 100.00   | Each  | 390.00                                                  | 39000.00                            | INR Thirty Nine Thousand Only               |
| 1.22    | Supply of 16sqmm 5 KV grade dry type Plug and Receptacle of type I, class 'B' primary connector kit with field attachment and suitable for 5 KV grade single core copper conductor, XLPE insulated PE outer sheathed shielded cable, complete as required confirming to the technical specification. 16 Sq.mm | 250.00   | Each  | 390.00                                                  | 97500.00                            | INR Ninety Seven Thousand Five Hundred Only |
| 1.23    | Supply of Gasket suitable for Base plate                                                                                                                                                                                                                                                                      | 150.00   | Each  | 90.00                                                   | 13500.00                            | INR Thirteen Thousand Five Hundred Only     |
| 1.24    | Supply of Two pin Secondary plug assembly suitable for edge light fitting of length 12" or 0.3mtr                                                                                                                                                                                                             | 150.00   | Each  | 120.00                                                  | 18000.00                            | INR Eighteen Thousand Only                  |
| 1.25    | Supply of 180 Filter- Red/Green/Yellow/Clear suitable for Runway edge light fittings.                                                                                                                                                                                                                         | 80.00    | Each  | 1400.00                                                 | 112000.00                           | INR One Lakh Twelve Thousand Only           |
| 1.26    | Supply of 2C x 4 sq.mm secondary lead of following length made out of multi stranded copper conductor, EPR insulated PCP sheathed, treated 600V grade cable as specified in particular specification and as required. 30 mtr length                                                                           | 10.00    | Each  | 5600.00                                                 | 56000.00                            | INR Fifty Six Thousand Only                 |
| 1.27    | Supply of 2C x 4 sq.mm secondary lead of following length made out of multi stranded copper conductor, EPR insulated PCP sheathed, treated 600V grade cable as specified in particular specification and as required. 50 mtr length                                                                           | 10.00    | Each  | 9500.00                                                 | 95000.00                            | INR Ninety Five Thousand Only               |
| 1.28    | Supply of DOBEFIL 60 of Dr. Beck & Co. or equivalent sealant material suitable for fixing bottom box of inset approach/threshold fitting etc. as required                                                                                                                                                     | 500.00   | Kg    | 800.00                                                  | 400000.00                           | INR Four Lakh Only                          |
| 1.29    | Supply of hardener 758 for DOBEFIL 60 sealant as required                                                                                                                                                                                                                                                     | 500.00   | kg    | 200.00                                                  | 100000.00                           | INR One Lakh Only                           |
| 1.30    | Supply of Dummy Plate 10 mm Thickness, 330 mm Dia, including provision of 6 nos, M10 tapped holes on top and 6 nos through holes at bottom to fix M10 bolts for fixing on existing C.I. Transformer house boxes                                                                                               | 30.00    | Each  | 800.00                                                  | 24000.00                            | INR Twenty Four Thousand Only               |
| 1.31    | Supply of spare cards (01 set of cards) for each 50KW Thyristor controlled CCR                                                                                                                                                                                                                                | 2.00     | Set   | 65000.00                                                | 130000.00                           | INR One Lakh Thirty Thousand Only           |
| 1.32    | Supply of 150W, 6.6A Halogen Lamp suitable for use in runway edge light fitting or equivalent.                                                                                                                                                                                                                | 150.00   | Each  | 390.00                                                  | 58500.00                            | INR Fifty Eight Thousand Five Hundred Only  |

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| Sl. No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quantity | Units | BASIC RATE In Figures To be entered by the Bidder Rs. P | TOTAL AMOUNT Without Taxes in Rs. P | TOTAL AMOUNT In Words                            |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|---------------------------------------------------------|-------------------------------------|--------------------------------------------------|
| 1       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 4        | 5     | 13                                                      | 53                                  | 55                                               |
| 1.33    | Supply of 105W, 6.6A Halogen Lamp suitable for use in runway insert light fitting or equivalent.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 25.00    | Each  | 850.00                                                  | 21250.00                            | INR Twenty One Thousand Two Hundred & Fifty Only |
| 1.34    | Supply of Breakable Coupling for Approach Fittings                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30.00    | Each  | 550.00                                                  | 16500.00                            | INR Sixteen Thousand Five Hundred Only           |
| 1.35    | Supply of 15W LED taxiway fitting driver set as per site requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 25.00    | Each  | 1800.00                                                 | 45000.00                            | INR Forty Five Thousand Only                     |
| 1.36    | Supplying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc conforming to IS 14930. Part II etc., complete as required 63mm dia (OD - 63mm and ID 51mm nominal)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20000.00 | Mtr   | 80.00                                                   | 1600000.00                          | INR Sixteen Lakh Only                            |
| 1.37    | Supply, Installation, Testing and Commissioning of FAA complaint indoor type microprocessor based, air cooled constant current regulator of Thyristor control electronic type suitable for use on 240/415 VAC; 50/60 Hz, input AC supply with below mentioned output power at 20 amps with 5 steps variation of current output suitable for local and remote control operation with 24/48 VDC control supply complete with output current indicated on multifunction digital display, over current, over voltage, earth fault protection and earth leakage meter, positive back indication equipments relay contactor etc. as required as per specification of following rating and as per the requirement of the site . <b>50 KW MPCCR at 20 Amp, supply voltage 415 VAC with tapping at 30 KW</b>                                                                                                                                                                                                                                                         | 3.00     | Each  | 654000.00                                               | 1962000.00                          | INR Nineteen Lakh Sixty Two Thousand Only        |
| 1.38    | Supply, installation, testing and commissioning of frangible & illuminated wind direction indicator conforming to ICAO Annex 14, volume I and suitable for operation on 230 V, 50 Hz, single phase AC supply and consist of following complete as required.<br>(a) 5 mtr height FRP frangible pole/mast. The frangibility shall confirm to ICAO Annex 14 & Aerodrome design manual part-6/FAA. The color of pole/mast shall be preferably aviation yellow or red/white.<br>(b) Wind sock assembly complete with slip rings, drum, bracket for drum, bearing, carbon brush with holder etc.<br>(c) Four nos, 20 W nominal capacity LED lamps alongwith Lamps mounting arrangement for outdoor conditions.<br>(d) One no. LED Aviation obstruction light having aluminium cast body and red polycarbonate dome.<br>(e) Internal wiring, provision for remote control operation.<br>(f) Providing and laying suitable cement concrete foundation for installation of WDI as per OEM recommendations.<br>(g) Any other component required for operation of WDI. | 2.00     | Each  | 190000.00                                               | 380000.00                           | INR Three Lakh Eighty Thousand Only              |

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| Sl. No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quantity | Units | BASIC RATE in Figures To be entered by the Bidder Rs. P | TOTAL AMOUNT Without Taxes in Rs. P | TOTAL AMOUNT In Words                                         |
|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|---------------------------------------------------------|-------------------------------------|---------------------------------------------------------------|
| 1       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4        | 5     | 13                                                      | 53                                  | 55                                                            |
| 1.39    | Installation, Testing and commissioning of Inset Type High Intensity Runway Edge/ threshold/ end Light/ Approach light fixtures including cuttings the Bituminous/ Concrete Runway by cuttings the Runway with Machine Tool for required size, positioning of fittings, applying suitable sealant for bonding etc., making the Runway to the original shape and strength, alignment of fitting etc., including installation of Inset Type Fitting and installation of Isolation Transformers in the CI box, and making secondary Lead connections and Earth connections including Testing and Commissioning etc., as required. (Excluding Supply of Sealant materials) | 34.00    | Each  | 3000.00                                                 | 102000.00                           | INR One Lakh Two Thousand Only                                |
| 1.40    | Installation, testing and commissioning of HIRL /MIRL elevated type (Suitable for Halogen lamp) type fittings on the existing transformer housing boxes including installation of transformer, lens, lamps gasket, nut bolts, lens holding clamp and other accessories i/c alignment, levelling, isolating transformer, connection, earth connection etc. all complete.                                                                                                                                                                                                                                                                                                | 198.00   | Each  | 100.00                                                  | 19800.00                            | INR Nineteen Thousand Eight Hundred Only                      |
| 1.41    | Installation of transformer housing box with a base concrete of 1:3:6 of 100mm thick all round concrete of 1:2:4 150mm thick. The top sloped with 1:2:4 cement concrete including providing and fixing 10" long 1/2" dia "B" class GI pipe with checknuts for drainage of water including excavation of side shoulder/ Basic strip and re-filling (wherever the transformer are in a line the same has to be aligned in such a way that the centers fall in a straight line) etc. complete as required.                                                                                                                                                                | 175.00   | Job   | 1500.00                                                 | 262500.00                           | INR Two Lakh Sixty Two Thousand Five Hundred Only             |
| 1.42    | Dismantling of HIRL/MIRL fixtures on the existing runway circuit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 150.00   | Job   | 50.00                                                   | 7500.00                             | INR Seven Thousand Five Hundred Only                          |
| 1.43    | Painting of Runway/ threshold /end /turning pad light fixtures with aviation yellow & CI box with black synthetic enamelled paint including making the numbering on the each lighting fitting base plate etc as required.                                                                                                                                                                                                                                                                                                                                                                                                                                              | 195.00   | Each  | 50.00                                                   | 9750.00                             | INR Nine Thousand Seven Hundred & Fifty Only                  |
| 1.44    | Providing and laying of 110mm outer dia, PE80, PN6 rating HDPE pipe IS:4984, IS:14333 by Horizontal Directional Drilling including jointing/welding of HDPE pipes across the runway/taxiway and Roads by trenchless directional drilling (HDD) method by deploying HDD machines, mud mixing system, Earth movers etc. complete as required.                                                                                                                                                                                                                                                                                                                            | 700.00   | Mtr   | 1200.00                                                 | 840000.00                           | INR Eight Lakh Forty Thousand Only                            |
| 1.45    | Laying of one number PVC insulated and PVC sheathed/ XLPE power cable of 5 KV grade of size up to 35 Sqmm in the existing RCC/HUME/STONE WARE/METAL/DWC-HDPE pipe as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 33040.00 | Mtr   | 13.00                                                   | 429520.00                           | INR Four Lakh Twenty Nine Thousand Five Hundred & Twenty Only |
| 1.46    | Cutting groove of size 50mm wide and 100mm deep/ As per site requirement with saw cut/ kerf cutting machine, on the concrete/ bituminous runway surface including kerfing, chiseling, cleaning and filling the excess gap with cement mortar and top layer groove with sealant compound after putting sealant primer after laying including jute covering for protection etc. as required.                                                                                                                                                                                                                                                                             | 14.50    | cum   | 18000.00                                                | 261000.00                           | INR Two Lakh Sixty One Thousand Only                          |

*Bay*

P9  
P7a

| Sl. No. | Item Description                                                                                                                                                                                                                                                                                               | Quantity | Units | BASIC RATE In Figures To be entered by the Bidder Rs. P | TOTAL AMOUNT Without Taxes in Rs. P | TOTAL AMOUNT In Words                                 |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|---------------------------------------------------------|-------------------------------------|-------------------------------------------------------|
| 1       | 2                                                                                                                                                                                                                                                                                                              | 4        | 5     | 13                                                      | 53                                  | 55                                                    |
| 1.47    | Dismantling of existing INSET fitting by Core cutting the existing bituminous/Concrete with machine tool including removal of fitting etc., as required. (Approach lights and Runway Lights)                                                                                                                   | 16.00    | Each  | 400.00                                                  | 6400.00                             | INR Six Thousand Four Hundred Only                    |
| 1.48    | Making field connections by crimping of 16 sqmm /6 sqmm sizes plug & receptable with suitable existing size single core PVC cu. Conductor cable of 5 KV grade Airfield cable including filling the gap with water sealant material applying PVC insulation tape etc. complete as reqd.                         | 250.00   | Each  | 100.00                                                  | 25000.00                            | INR Twenty Five Thousand Only                         |
| 1.49    | Dismantling of existing runway cables from field and handing over to store etc as required .                                                                                                                                                                                                                   | 12500.00 | Mtr   | 30.00                                                   | 375000.00                           | INR Three Lakh Seventy Five Thousand Only             |
| 1.50    | Providing, laying and fixing following dia G.I pipe (medium class) in ground complete with G.I.fittings including cutting and threading with coupling , trenching (75cm deep) and re-filling etc., as required - 50 mm dia                                                                                     | 2000.00  | Mtr   | 600.00                                                  | 1200000.00                          | INR Twelve Lakh Only                                  |
| 1.51    | Providing, laying and fixing following dia G.I pipe (medium class) in ground complete with G.I.fittings including cutting and threading with coupling , trenching (75cm deep) and re-filling etc., as required - 80 mm dia                                                                                     | 275.00   | Mtr   | 1200.00                                                 | 330000.00                           | INR Three Lakh Thirty Thousand Only                   |
| 1.52    | Earthing with G.I. earth pipe 4.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.                                                                                    | 34.00    | Each  | 6500.00                                                 | 221000.00                           | INR Two Lakh Twenty One Thousand Only                 |
| 1.53    | Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.                                                                                                  | 425.00   | Mtr   | 120.00                                                  | 51000.00                            | INR Fifty One Thousand Only                           |
| 1.54    | Providing and laying of 6 SWG GI wire inside the excavated cable trench/humepipe/DWC pipe for loop earthing etc complete as required                                                                                                                                                                           | 20000.00 | Mtr   | 16.00                                                   | 320000.00                           | INR Three Lakh Twenty Thousand Only                   |
| 1.55    | Laying of following size DWC HDPE pipe direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., including fixing fittings and cutting, jointing etc., 63mm dia (OD-63 mm & ID 51mm nominal) complete as required. | 18810.00 | Mtr   | 70.00                                                   | 1316700.00                          | INR Thirteen Lakh Sixteen Thousand Seven Hundred Only |

*Signature*

12/12

| Sl. No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quantity | Units | BASIC RATE in Figures To be entered by the Bidder Rs. P | TOTAL AMOUNT Without Taxes in Rs. P | TOTAL AMOUNT In Words                          |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|---------------------------------------------------------|-------------------------------------|------------------------------------------------|
| 1       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4        | 5     | 13                                                      | 53                                  | 55                                             |
| 1.56    | Design, Manufacturing, Supply, Installation, Testing & Commissioning of LT Panel, cubicle type, made out of 2mm thick CRCA sheet, totally enclosed, IP 42, free standing, floor mounting, dust and vermin proof, indoor, compartmentalised, suitable for operation on 3 phase and neutral, 415 V, 50Hz AC system with busbars extendible on both sides, making interlocking arrangement between incomers, top/ bottom 3mm thick detachable gland plate as per site requirement including internal wiring with suitable size wires/cable, interconnect, duly powder coated painting etc. including supply & installation of following switchgears, metering instruments and accessories in the LT Panel and as per specifications. <b>INCOMER 1</b> : 1 No-400A 4P 25KA MCB (With Microprocessor based Release), 1 Set-R, Y & B Indication Lamps (LED Type) with control fuse, 1 Set-R, Y & B Indication Lamps (LED Type) with control fuse, 1No- (0-400A MIN) Digital Multifunction meter 50HZ, 3-PHASE AC 240V , class-1, flush mounting with RS485 / Equivalent , 1 Set-400/5A cast resin type CT with necessary terminal block. <b>INCOMER 2</b> : 1 No-400A 4P 25KA MCB (With Microprocessor based Release), 1 Set-R, Y & B Indication Lamps (LED Type) with control fuse, 1 No- (0-400A MIN) Digital Multifunction meter 50HZ, 3-PHASE AC 240V , class-1, flush mounting with RS485 / Equivalent . 1 Set-400/5A cast resin type CT with necessary terminal block. <b>BUSCOUPLER</b> : 1 No-400A 4P 25KA MCB BUS BAR : R, Y, B, N & earth busbars suitable for minimum 400 Amps , <b>OUT GOING</b> : 4 nos. 160A TPN MCB Microprocessor based with Rotary handle , 4 nos. 125A TPN MCB Microprocessor based with Rotary handle , 4 nos. 63 A TPN MCB Microprocessor based with Rotary handle , All out going shall be provided with Digital ammeter with suitable raion resin cast CT. NOTE: All MCB shall have rotary operating handle and mechanical key interlock between incomer - 1 and incomer - 2, bus coupler. | 1.00     | Each  | 450000.00                                               | 450000.00                           | INR Four Lakh Fifty Thousand Only              |
| 1.57    | Supply of 3 1/2 core x 120 Sq. mm XLPE insulated and PVC sheathed Aluminium conductor armoured power cable of 1.1KV grade confirming to relevant IS 1554 / IS 7098 with upto date amendments etc, as required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 250.00   | Mtr   | 450.00                                                  | 112500.00                           | INR One Lakh Twelve Thousand Five Hundred Only |
| 1.58    | Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kVgr ade of following size in the existing RCC/ HUMET/ METAL/DWC pipe as required - Above 35 sq. mm and upto 95 sq. mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 100.00   | Mtr   | 50.00                                                   | 5000.00                             | INR Five Thousand Only                         |
| 1.59    | Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 kVgr ade of following size in the existing RCC/ HUMET/ METAL/DWC pipe as required - Above 95 sq. mm and upto 185 sq. mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 75.00    | Mtr   | 50.00                                                   | 3750.00                             | INR Three Thousand Seven Hundred & Fifty Only  |
| 1.60    | Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required. - Above 35 sq. mm and upto 95 sq. mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 150.00   | Mtr   | 50.00                                                   | 7500.00                             | INR Seven Thousand Five Hundred Only           |

20/12

1712

| Sl. No. | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quantity | Units | BASIC RATE In Figures To be entered by the Bidder Rs. P | TOTAL AMOUNT Without Taxes in Rs. P | TOTAL AMOUNT In Words                                |
|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|---------------------------------------------------------|-------------------------------------|------------------------------------------------------|
| 1       | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4        | 5     | 13                                                      | 53                                  | 55                                                   |
| 1.61    | Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing masonry open duct as required - Above 95 sq. mm and upto 185 sq. mm                                                                                                                                                                                                                                                                             | 125.00   | Mtr   | 50.00                                                   | 6250.00                             | INR Six Thousand Two Hundred & Fifty Only            |
| 1.62    | Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required - 3½ X 50 sq. mm (35mm)                                                                                                                                                                                                                                           | 12.00    | Each  | 300.00                                                  | 3600.00                             | INR Three Thousand Six Hundred Only                  |
| 1.63    | Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required - 3½ X 120 sq. mm (45mm)                                                                                                                                                                                                                                          | 4.00     | Each  | 600.00                                                  | 2400.00                             | INR Two Thousand Four Hundred Only                   |
| 1.64    | Supplying and fixing of electrical Insulating Rubber Mats as per IS 15652:2006 made out of synthetic rubber and highly electrical resistant elastomers, anti-skid, fire resistant, oil resistant in sizes of 1m x 2 m and 2 mm thick suitable for 3.3 KV complete as required.                                                                                                                                                                                           | 40.00    | Sqm   | 1200.00                                                 | 48000.00                            | INR Forty Eight Thousand Only                        |
| 1.65    | Supply, Installation, Testing and Commissioning of Three phase Surge protection (MOV, plug in type) capable with Neutral Earth of carrying nominal discharge of 100KA (block MOV), 8/20 micro second surge, protection level of 1.5KV in IP55 grade enclosure, complete with suitable safety circuit breaker, base interconnection with copper cable, end terminations etc., as per specifications enclosed (First stage protection to be provided at power entry point) | 2.00     | Each  | 75000.00                                                | 150000.00                           | INR One Lakh Fifty Thousand Only                     |
| 1.66    | Providing of earth pits chemical earth pit with suitable chemical compound and other earthing materials for above item (Surge diverter) with vertically or horizontally as per the site conditions complete with flanges bends, top cover inspection chamber including excavation and refilling etc as required.                                                                                                                                                         | 1.00     | Each  | 30385.00                                                | 30385.00                            | INR Thirty Thousand Three Hundred & Eighty Five Only |
| 1.67    | Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.                                                                                                                                                                                                                                                                                                                                                                 | 20.00    | Mtr   | 1200.00                                                 | 24000.00                            | INR Twenty Four Thousand Only                        |
| 1.68    | Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.                                                                                                                                                                                                                                                                                                                                                                   | 25.00    | Mtr   | 190.00                                                  | 4750.00                             | INR Four Thousand Seven Hundred & Fifty Only         |
| 1.69    | Insatolation of 200mm CI collar base concrete of 1:3:6 of 75mm thick all round concrete of 1:2:4 150mm thick. The top sloped with 1:2:4 cement concrete including excavation of side shoulder/ Basic strip and re-filling (wherever the transformer are in a line the same has to be aligned in such a way that the centers fall in a straight line) etc. complete as required                                                                                           | 106.00   | Each  | 350.00                                                  | 37100.00                            | INR Thirty Seven Thousand One Hundred Only           |
| 1.70    | Insatolation of 75 mm CI collar on existing C.I. Transformer house boxes installed at site etc as required.                                                                                                                                                                                                                                                                                                                                                              | 10.00    | Each  | 300.00                                                  | 3000.00                             | INR Three Thousand Only                              |
| 1.71    | Shifting of different capacity of CCRs in side substation with proper earthing and other termination etc. as per site requirement.                                                                                                                                                                                                                                                                                                                                       | 7.00     | Each  | 5000.00                                                 | 35000.00                            | INR Thirty Five Thousand Only                        |

2011

P12  
12

| Sl. No.              | Item Description                                                                                                                                                                                                                                                                                                                                                                          | Quantity                                                                          | Units | BASIC RATE in Figures To be entered by the Bidder Rs. P | TOTAL AMOUNT Without Taxes in Rs. P | TOTAL AMOUNT in Words                              |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|---------------------------------------------------------|-------------------------------------|----------------------------------------------------|
| 1                    | 2                                                                                                                                                                                                                                                                                                                                                                                         | 4                                                                                 | 5     | 13                                                      | 53                                  | 55                                                 |
| 1.72                 | Supplying and installing following size of perforated Hot Dipped Galvanised Iron cable tray (Galvanisation thickness not less than 50 microns) with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with G.I. suspenders including G.I. bolts & nuts, etc. as required. <u>225 mm width X 50 mm depth X 1.6 mm thickness.</u> | 40.00                                                                             | Mtr   | 450.00                                                  | 18000.00                            | INR Eighteen Thousand Only                         |
| Total in Figures     |                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                   |       |                                                         | 24855555.00                         | INR Two Crore Forty Eight Lakh Fifty Five Thousand |
| Quoted Rate in Words |                                                                                                                                                                                                                                                                                                                                                                                           | INR Two Crore Forty Eight Lakh Fifty Five Thousand Five Hundred & Fifty Five Only |       |                                                         |                                     |                                                    |

  
12/05/22  
(M. RAVICHANDRAN)  
JGM (E&E)