



संदर्भ: एएआई/टिरओई/इएनजीजी(इ)/डब्ल्यू ओ-03/2023-24/ 1094 (6)

दिनांक: 10.08.2023

Ref: AAI/TRY/ENGG (E)/WO-03/2023-24/

Date: 10.08.2023

सेवा मे/ To,

इंस्टापावर लिमिटेड, / M/s. Instapower Limited,

नंबर सी-72, शिवालिक / No. C-72, Shivalik,

नई दिल्ली - 110 017/ New Delhi - 110 017.

विषय/Sub: Up-gradation of Passenger Terminal Building and Airside Facilities at Tiruchirappalli (Trichy) International Airport. **S.H: Provision of Landscape Lighting Works at Trichy Airport.**

संदर्भ /Ref.: (i) NIT No. AAI/TRY/E-E/LANDSCAPE/2023 Dt: 29.05.2023

(ii) Tender ID: 2023_AAI_155489_1

प्रियमहोदय/ Dear Sir,

1. ऊपर उल्लिखित कार्य के लिए आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आपके द्वारा उद्धृत मद दरों पर रु. जीएसटी को छोड़कर 1,72,51,836/- रुपये (मात्र एक करोड़ बहत्तर लाख इक्यावन हजार आठ सौ छत्तीस रुपये) जो रुपये की अनुमानित / न्यायोचित लागत से 31.64% कम है। जीएसटी को छोड़कर 2,52,38,299/- .

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 to Rs.1,72,51,836/- excluding GST (Rupees One Crore Seventy Two Lakh Fifty One Thousand Eight Hundred and Thirty Six Only) which is 31.64% below the estimated /justified cost of Rs. 2,52,38,299/- excluding GST.

2. संयुक्त महाप्रबंधक (इंजी.-ई), भाविप्रा, त्रिची एयरपोर्ट, कार्य के प्रभारी अभियंता होंगे। आपसे अनुरोध है कि अनुबंध समझौते पर हस्ताक्षर करने और उसे पूरा करने के लिए 10.07.2023 तक संयुक्त महाप्रबंधक (इंजी.-ई) एएआई, त्रिची एयरपोर्ट के कार्यालय में उपस्थित हों। अनुबंध 100/- रुपये (केवल सौ रुपये) के गैर-न्यायिक स्टॉप पेपर पर निष्पादित किया जाएगा और स्टॉप पेपर की लागत आपके द्वारा वहन की जाएगी।

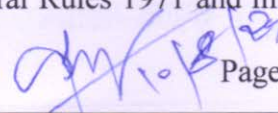
Joint General Manager (Engg.-E), AAI, Trichy Airport, shall be the Engineer-in-charge of the work. You are requested to attend the office of Joint General Manager (Engg.-E) AAI, Trichy Airport by 21.08.2023 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value Rs.100/- (Rupees Hundred only) and the cost of the stamp paper shall be borne by you.

3. कृपया इस पत्र के जारी होने की तारीख से 10 दिनों के भीतर सुरक्षा जमा के रूप में रु. 17,25,184.00 (मात्र सत्रह लाख पच्चीस हजार एक सौ चौरासी रुपये) जमा करें, ऐसा न करने पर आपके बिल से नियम के अनुसार कटौती कर दी जाएगी। अनुबंध दस्तावेज के पृष्ठ संख्या 41 पर अनुबंध की शर्त का खंड 1 ए।

Please deposit **Rs. 17,25,184.00 (Rupees Seventeen Lakh Twenty Five Thousand One Hundred and Eighty Four Only)** towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted from your bill as per the Clause 1A of condition of contract at page number 41 of the contract document.

4. आपसे अनुरोध है कि ठेका श्रम (विनियमन और उन्मूलन) अधिनियम 1970 के प्रावधान और अनुबंध श्रम (विनियमन और उन्मूलन) केंद्रीय नियम 1971 और न्यूनतम मजदूरी अधिनियम और केंद्र और राज्य सरकारों के नियमों का पालन करें।

You are requested to comply with the provision of Contract Labor (Regulation and Abolition) Act of 1970 and Contract Labor (Regulation and Abolition) Central Rules 1971 and minimum wages act and rules there of Central and State Governments.

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5. प्रबंधक (इंजीनियरिंग-ई), भाविप्रा, त्रिची एयरपोर्ट से तुरंत संपर्क करने का निर्देश दिया जाता है, जो आपको साइट सौंपने की व्यवस्था करेगा।
You are also directed to contact Manager (Engg.-E), AAI, Trichy Airport, immediately who will arrange to handover the site to you.
6. कृपया यह नोट करें कि काम करने का समय 90 (एक सौ बीस) महीने, जिसे इस पत्र के जारी होने की तारीख के दस (10) दिन बाद से गिना जाएगा।
Please note that the time allowed for carrying out the work is **90 (Ninety) days**, which shall be reckoned from the **10th day** of issue of this letter.
7. दोष दायित्व अवधि के अनुबंध के कार्यों के पूरा होने की तारीख से बारह (12) महीने हैं, संविदा दस्तावेज के अनुसार पृष्ठा (Special Conditions of Contract Page-163) के क्र.सं. नहीं। 13 पर दी गई है।
Defect liability period of the contract is TWELVE (12) MONTH from the certified date of completion of work as per special condition (Special Conditions of Contract Page-163) of the contract document.
8. अनुबंध के संबंध में कोई भी पत्राचार सामान्य रूप से संयुक्त महाप्रबंधक (इंजी.ई), एएआई, त्रिची एयरपोर्ट, त्रिची - 620 007 को संबोधित किया जाना चाहिए।
Any further correspondence in connection with the contract should normally be addressed to the Joint General Manager (Engg.E), AAI, Trichy Airport, Trichy - 620 007.
कृपया इस आदेश की प्रति को स्वीकार करें और स्वीकृति के एक टोकन के रूप में अधिसंख्यता पर हस्ताक्षर करने के बाद इसके साथ संलग्न इस पत्र की डुप्लिकेट प्रतिलिपि वापस करें।
9. 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.

Encl: Schedule of Quantities.

भवदीय /Yours faithfully,

संयुक्त महाप्रबंधक (इंजी.-विद्युत)/ Jt. General Manager (Engg.-E)
कृते अध्यक्ष की ओर से / For and on behalf of Chairman,
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India.
तिरुचिहवाईअड्डा/Trichy Airport

N.O.O.:

Copy to:

- 1) विमानपत्तननिदेशक, भा.वि.प्रा. तिरुचिहवाईअड्डा, तिरुचि-07
Airport Director, AAI, Trichy Airport, Trichy - 07
- 2) महाप्रबंधक (इंजीनियरिंग-परियोजना), भा.वि.प्रा. तिरुचिहवाईअड्डा, तिरुचि-07
General Manager (Engg-Project), AAI, Trichy Airport, Trichy - 07
- 3) संयुक्त.महाप्रबंधक (Vig.), भा.वि.प्रा. दक्षिणीक्षेत्र, चेन्नै-27.
Joint. General Manager (Vig.), AAI, SR, Chennai-27
- 4) संयुक्त-महाप्रबंधक(वित्त), भा.वि.प्रा. तिरुचिहवाईअड्डा, तिरुचि-07.

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भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA



Jt. GM (F&A), AAI, Trichy Airport, Trichy – 07(The Financial Concurrence accorded by DGM (F&A) vide e-office File No. : AAI/TRY/ENGG(E)/PROJECT/LANDSCAPE/2022-23 Dt:22.07.2023, note no. #13 for an amount of Rs. 2,03,57,166/- (i/c. GST).

- 5) वरिष्ठ प्रबंधक (इंजी.-विद्युत.), भा.वि.प्रा. तिरुचि-07.
Senior Manager (E-E), AAI, Trichy Airport, Trichy – 07.
- 6) सहायक श्रम आयुक्त (केंद्रीय), पुदुचेरी
Asst. Labour Commissioner (Central), Puducherry
- 7) करार/Agreement.
- 8) पत्रावली/File.

संयुक्त महाप्रबंधक (इंजी.-विद्युत)/ Jt. General Manager (Engg.-E)
कृते अध्यक्ष की ओर से / For and on behalf of Chairman,
भारतीय विमानपत्तन प्राधिकरण/Airports Authority of India.
तिरुचिहवाईअड्डा/Trichy Airport

Tender Inviting Authority: Assistant General Manager (Engg-Elect), AAI, Trichy International Airport, Trichy - 620 007.

Name of Work: Up-gradation of Passenger Terminal Building and Airside Facilities at Tiruchirappalli (Trichy) International Airport. S.H: Provision of Lanscape Lighting Works at Trichy Airport.

Contract No: AAI/TRY/E-E/LANDSCAPE/2023 Dt: 29.05.2023

Tender Id : 2023_AAI_155489_1

Name of the Bidder/ Bidding Firm / Company :	INSTAPOWER LTD.
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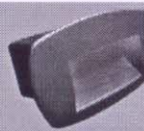
PRICE SCHEDULE

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Images	RATE excluding GST In Figures To be entered by the Bidder Rs. P	% of GST applicable in each item of rate column(5)	TOTAL AMOUNT (Excl. GST) OF RS.	TOTAL AMOUNT EXCLUDING GST	TOTAL AMOUNT (Excl. GST)in Words
1	2	3	3	4	7	5	6	7	9	8
1	Supply, installation, testing and commissioning of 20W-33W nominal Decorative luminaire (with integral driver) column of height 1100mm and 115mm Dia, with special visual effect created through a smart mix of white and blue sources distributed up and down inside the column. The light fixture (as per the reference pictures) shall be made of extruded aluminium housing with polyester powder coating and optics cover shall be impact resistance acrylic, stabilized against UV rays, fixture having IP 66, IK08, operating temperature (-10 to +45 degC nominal). Luminaire comprising LEDs of 4000K CCT and Blue colour. LED shall be compliant with useful L70 life of >50,000 Hrs, driver efficiency shall be 85% including proper heat sink for heat dissipation, suitable to operate on input voltage range of 200V to 240V nominal with minimum 4 KV internal surge protection etc., complete as required. (Make: Wipro Schreder Bora Midi or its equivalent similar to the image provided & meeting the technical specifications.) Note: The scope of work covers providing and fixing of suitable loop-in & loop-out polycarbonate junction box having IP-65 including suitable metallic/PVC gland for cable entry & required end terminations complete with all accessories like connectors suitable for connecting the cables, minor civil works, foundation works for fixing the light fixtures, Driver, JB with suitable supports etc., as required inline with tender specifications.	E-1	25	Nos		38250.00	18.00%	956250.00	956250.00	INR Nine Lakh Fifty Six Thousand Two Hundred & Fifty Only
2	Supply, installation, testing and commissioning of Mono Colour 10W Flood luminaire (with integral driver). Extruded aluminium housing integrated with MC PCB populated with LED and optical lens beam angle (Symmetrical 15 Deg./40 Deg. with 100 lm/w) mounting option of Strap/Spike/Surface, PDC aluminium end caps fixed with silicon gasket to achieve IP66, CRI > 70, SDCM <5, P.F>0.9, Driver efficacy >80, powder coated with pure polyester Eco Gray shade, Toughened clear glass sealed with housing with silicon sealant along with supporting clamp to meet IK06 protection, Constant current IP66 Driver integrated inside of housing etc., complete as required. (Make: Wipro LF39-131-030-30-XX or its equivalent similar to the image provided & meeting the technical specifications.) Note: The scope of work covers providing and fixing of suitable loop-in & loop-out polycarbonate junction box having IP-65 including suitable metallic/PVC gland for cable entry & required end terminations complete with all accessories like connectors suitable for connecting the cables, minor civil works, foundation works for fixing the light fixtures, Driver, JB with suitable supports etc., as required inline with tender specifications.	E-2	80	Nos		6885.00	18.00%	550800.00	550800.00	INR Five Lakh Fifty Thousand Eight Hundred Only

Signature
10/8/23

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	NUMBER	NUMBER #	NUMBER #	TEXT #
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1	2	3	3	4	7	5	6	7	9	8
3	Supply, installation, testing and commissioning of Mono Colour 20W Flood luminaire (with integral driver), CRI>70, SDCM <5, P.F>0.9, Driver efficacy >80, Extruded aluminium housing integrated with MC PCB populated with LED and optical lens beam angle (Symmetrical 15 Deg./30 Deg/60 deg. with 100 lm/w) mounting option of Strap/ Spike/Surface, PDC aluminium end caps fixed with silicon gasket to achieve IP66, powder coated with pure polyester Eco Gray shade, Toughened clear glass sealed with housing with silicon sealant along with supporting clamp to meet IK06 protection, Constant current IP66 Driver integrated inside of housing etc., complete as required. (make: wipro LF39-271-030-30-XX or its equivalent similar to the image provided & meeting the technical specifications.) Note: The scope of work covers providing and fixing of suitable loop-in & loop-out polycarbonate junction box having IP-65 including suitable metallic/PVC gland for cable entry & required end terminations complete with all accessories like connectors suitable for connecting the cables, civil works, foundation works for fixing the light fixtures, Driver, JB with suitable supports etc., as required inline with tender specifications.	E-3	40	Nos		10710.00	18.00%	428400.00	428400.00	INR Four Lakh Twenty Eight Thousand Four Hundred Only
4	Supply, installation, testing and commissioning of Mono Colour 40W Flood luminaire (with integral driver), CRI>70, SDCM <5, P.F>0.9, Driver efficacy >80, Extruded aluminium housing integrated with MC PCB populated with LED and optical lens beam angle (Symmetrical 15 Deg./30 Deg/60 deg. with 100 LPW) mounting option of Strap/Spike/Surface, PDC aluminium end caps are fixed with silicon gasket to achieve IP66. Luminaire is powder coated with pure polyester Eco Gray shade. Toughened clear glass is sealed with housing with silicon sealant with supporting clamp to meet IK06 protection Constant current IP66 Driver integrated inside of housing etc., complete as required. (make: wipro LF39-521-030-30-XX or its equivalent similar to the image provided & meeting the technical specifications.) Note: The scope of work covers providing and fixing of suitable loop-in & loop-out polycarbonate junction box having IP-65 including suitable metallic/PVC gland for cable entry & required end terminations complete with all accessories like connectors suitable for connecting the cables, civil works, foundation works for fixing the light fixtures, Driver, JB with suitable supports etc., as required inline with tender specifications.	E-4	160	Nos		12240.00	18.00%	1958400.00	1958400.00	INR Nineteen Lakh Fifty Eight Thousand Four Hundred Only
5	Supply, Installation, testing and commissioning of 12W 3000K LED inground luminaire with System Lumen Output of Minimum 900 Lumen (±10%), CRI > 70, CCT ≥ 3000, driver efficiency ≥ 80%, L70 > 35000 hrs. Min Inground Light die cast aluminium housing integrated with MC PCB populated with LED and optical lens beam angle Symmetrical 15 Deg. / 30 Deg. Fixture shall be made up of Die cast Aluminium Housing for better heat dissipation having IP66 Dust and Water Protection for Outdoor usage mounted on aluminium Die cast Heat Sink. SS ring shall be fixed with a min. 8mm Toughened clear glass with silicon gasket to die cast Heat sink to achieve IP67 ingress protection and meet IK10 protection. Luminaire is powder coated with Polyester TGIC for Heat Sink. The luminaire should have loop in loop out provision for power and DMX Signal. Luminaire should be capable of operating at 24VDC, with External IP66 24Vdc Driver etc., complete as required. (make: wipro LI20-111-30-30-G2 or its equivalent similar to the image provided & meeting the Technical specifications.) Light fixture shall be including of: 1) 06nos. of 120W LED Driver shall be Isolated type, Constant Voltage topology driver in metal enclosure with IP 66 Protection. Output voltage 24Vdc Driver efficiency should be 80% & proper heat sink for heat dissipation suitable to operate in input voltage range of 140V to 270V (nominal rated voltage – 240V) with 4 KV internal surge protection. LED driver shall have out put short circuit & over voltage protection inbuilt. 2) 06nos. of IP 67 Plug-in socket connector (It is 2 core Straight connector used for 3000K luminaires). 3) 41nos. of IP 67 Plug-in socket connector (It is 2 core T connector used for 3000K luminaires). Note: The scope of work covers providing and fixing of suitable loop-in & loop-out polycarbonate junction box having IP-65 including suitable metallic/PVC gland for cable entry & required end terminations complete with all accessories like connectors suitable for connecting the cables,civil works, foundation works for fixing the light fixtures, Driver, JB with suitable supports etc., as required inline with tender specifications.	E-5	47	Nos		13005.00	18.00%	611235.00	611235.00	INR Six Lakh Eleven Thousand Two Hundred & Thirty Five Only

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1	2	3	3	4	7	5	6	7	9	8
6	Supply, Installation, testing and commissioning of 18W Underwater Surface Mounted Device, IP 68, LED underwater light with chrome plated SS powder coated for better heat dissipation. Product comprising LEDs of 3000K CCT. Fixtures should have high purity lenses with glass with 60° Beam, IK10. The LED shall be compliant with useful L70 life of >35000 Hrs. LED Driver shall be Isolated type, with IP 68 Protection. Driver efficiency should be 80% & proper heat sink for heat dissipation suitable to operate in input voltage range of 100V to 300V nominal, power factor > 0.9, with 3 KV internal surge protection etc., complete as required. (make: wipro LU03-211-030-30-XX or its equivalent similar to the image provided & meeting the Technical specifications.) Light fixture shall be including of: 1) 07nos. of 120 W LED Driver shall be Constant Voltage topology driver in metal enclosure with IP 66 Protection. Output voltage 24Vdc LED driver shall have output short circuit & over voltage protection inbuilt. 2) 07nos. of IP 67 Plug-in socket connector (It is 2 core Straight connector used for 3000K luminaires.) 3) 25nos. of IP 67 Plug-in socket connector (It is 2 core T connector used for 3000K luminaires.) Note: The scope of work covers providing and fixing of suitable loop-in & loop-out polycarbonate junction box having IP-65 including suitable metallic/PVC gland for cable entry & required end terminations complete with all accessories like connectors suitable for connecting the cables, civil works, foundation works for fixing the light fixtures, Driver, JB with suitable supports etc., as required inline with tender specifications.	E-6	20	Nos		18360.00	18.00%	367200.00	367200.00	INR Three Lakh Sixty Seven Thousand Two Hundred Only
7	Supply, Installation, testing and commissioning of 18W RGB LED Underwater Surface Mounted Device, IP 68, LED underwater light with chrome plated SS powder coated for better heat dissipation. Product comprising LEDs of RGB CCT. Fixtures should have high purity lenses with glass with 60° Beam, IK10. The LED shall be compliant with useful L70 life of >35000 Hrs. LED Driver shall be Isolated type, with IP 68 Protection. Driver efficiency should be 80% & proper heat sink for heat dissipation suitable to operate in input voltage range of 100V to 300V nominal, power factor > 0.9, with 3 KV internal surge protection etc., complete as required. (make: wipro LU03-211-030-CC-XX or its equivalent similar to the image provided & meeting the Technical specifications.) Light fixture shall be including of: 1) 04nos. of 120 W LED Driver shall be, Constant Voltage topology driver in metal enclosure with IP 66 Protection. Output voltage 24Vdc LED driver shall have output short circuit & over voltage protection inbuilt. 2) 04nos. of IP 67 Plug-in socket connector (It is 2 core Straight connector used for 3000K luminaires.) 3) 08nos. of IP 67 Plug-in socket connector (It is 2 core T connector used for 3000K luminaires.) Note: The scope of work covers providing and fixing of suitable loop-in & loop-out polycarbonate junction box having IP-65 including suitable metallic/PVC gland for cable entry & required end terminations complete with all accessories like connectors suitable for connecting the cables, civil works, foundation works for fixing the light fixtures, Driver, JB with suitable supports etc., as required inline with tender specifications .	E-7	12	Nos		26775.00	18.00%	321300.00	321300.00	INR Three Lakh Twenty One Thousand Three Hundred Only
8	Supply, installation, testing and commissioning of 6W to 7.5W LED Step luminaire (with integral driver) Extruded Aluminium Housing IP-66 , IK-07, driver efficiency ≥ 75%, CRI ≥ 70, PF > 0.9, etc., complete as required. (make: wipro LT51-750-XXX-30-XX or its equivalent similar to the image provided & meeting the Technical specifications.) Note: The scope of work covers providing and fixing of suitable loop-in & loop-out polycarbonate junction box having IP-65 including suitable metallic/PVC gland for cable entry & required end terminations complete with all accessories like connectors suitable for connecting the cables, civil works, foundation works for fixing the light fixtures, Driver, JB with suitable supports etc., as required inline with tender specifications.	E-8	140	Nos		11475.00	18.00%	1606500.00	1606500.00	INR Sixteen Lakh Six Thousand Five Hundred Only

Handwritten signature and date 10/12

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1	2	3	3	4	7	5	6	7	9	8
9	Providing, laying, fixing, connecting and testing of following sizes of GI strip/GI wire from earth electrode to equipment loop and earthing system, in trenches, on surfaces, along pole or along M.S. support, etc. including excavation where required for laying the copper strip/ GI strip and filling back complete, conforming to relevant IS and all as specified. GI wire 8 SWG	E-9(a)	100	Mtr		76.00	18.00%	7600.00	7600.00	INR Seven Thousand Six Hundred Only
10	Providing, laying, fixing, connecting and testing of following sizes of GI strip/GI wire from earth electrode to equipment loop and earthing system, in trenches, on surfaces, along pole or along M.S. support, etc. including excavation where required for laying the copper strip/ GI strip and filling back complete, conforming to relevant IS and all as specified. Hot dip GI strip 25mmx 5mm on surface or in recess	E-9(b)	100	Mtr		268.00	18.00%	26800.00	26800.00	INR Twenty Six Thousand Eight Hundred Only
11	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 16205 complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling earthwork, and protective covering etc., complete as required. 63 mm dia. (OD-63 mm & ID-51 mm nominal)	E-10(a)	3594	Mtr		352.00	18.00%	1265088.00	1265088.00	INR Twelve Lakh Sixty Five Thousand & Eighty Eight Only
12	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 16205 Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling earthwork, and protective covering etc., complete as required. 90 mm dia. (OD-90 mm & ID-76 mm nominal)	E-10(b)	168	Mtr		688.00	18.00%	115584.00	115584.00	INR One Lakh Fifteen Thousand Five Hundred & Eighty Four Only
13	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 16205 Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling earthwork, and protective covering etc., complete as required. 120 mm dia. (OD-120 mm & ID-103 mm nominal)	E-10(c)	1344	Mtr		903.00	18.00%	1213632.00	1213632.00	INR Twelve Lakh Thirteen Thousand Six Hundred & Thirty Two Only
14	LT CABLES & CABLE LAYING Supply of following size of 1.1 KV grade FRLS multicore aluminium conductor XLPE insulated and PVC extruded sheathed armoured cable as per IS: 7098:1988 (Part-I) with upto date amendments etc., as required. 3½ core X 120 Sq.mm Al.	E-11(a)	650	Mtr		842.00	18.00%	547300.00	547300.00	INR Five Lakh Forty Seven Thousand Three Hundred Only
15	Supply of following size of 1.1 KV grade FRLS multicore aluminium conductor XLPE insulated and PVC sheathed extruded armoured cable as per IS: 7098:1988 (Part-I) with upto date amendments etc., as required. 4 core X 25 Sq.mm Al.	E-11(b)	500	Mtr		283.00	18.00%	141500.00	141500.00	INR One Lakh Forty One Thousand Five Hundred Only
16	Supply of following size of 1.1 KV grade FRLS multicore copper conductor XLPE insulated and PVC sheathed extruded armoured cable as per IS: 7098:1988 (Part-I) with upto date amendments etc., as required. 4 core X 4 Sq.mm Cu.	E-12(a)	1470	Mtr		336.00	18.00%	493920.00	493920.00	INR Four Lakh Ninety Three Thousand Nine Hundred & Twenty Only
17	Supply of following size of 1.1 KV grade FRLS multicore copper conductor XLPE insulated and PVC sheathed extruded armoured cable as per IS: 7098:1988 (Part-I) with upto date amendments etc., as required. 4 core X 6 Sq.mm Cu.	E-12(b)	3300	Mtr		477.00	18.00%	1574100.00	1574100.00	INR Fifteen Lakh Seventy Four Thousand One Hundred Only

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Sl. No.	Item Description	Item Code / Make	Quantity	Units	Images	RATE excluding GST In Figures To be entered by the Bidder Rs. P	% of GST applicable in each item of rate column(5)	TOTAL AMOUNT (Excl. GST) OF RS.	TOTAL AMOUNT EXCLUDING GST	TOTAL AMOUNT (Excl. GST) in Words
1	2	3	3	4	7	5	6	7	9	8
18	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on existing cable tray as required. Tagging on both the ends will be done with aluminium tags etc. complete as required. (Cable in cable tray shall be clamped with 1mm thick saddle) Upto 35 sq. mm	E-13(a)	500	Mtr		100.00	18.00%	50000.00	50000.00	INR Fifty Thousand Only
19	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on existing cable tray as required. Tagging on both the ends will be done with aluminium tags etc. complete as required. (Cable in cable tray shall be clamped with 1mm thick saddle) Above 95 sq. mm and upto 185 sq. mm	E-13(b)	630	Mtr		230.00	18.00%	144900.00	144900.00	INR One Lakh Forty Four Thousand Nine Hundred Only
20	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ STONEWARE/ METAL/ DWC HDPE pipe etc. complete as required. Upto 35 sq. mm	E-14(a)	4770	Mtr		76.00	18.00%	362520.00	362520.00	INR Three Lakh Sixty Two Thousand Five Hundred & Twenty Only
21	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ STONEWARE/ METAL/ DWC HDPE pipe etc. complete as required. Above 95 sq. mm and upto 185 sq. mm	E-14(b)	20	Mtr		153.00	18.00%	3060.00	3060.00	INR Three Thousand & Sixty Only
22	Supplying and making indoor end termination with brass single compression gland (Heavy duty type) and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor armoured cable of 1.1 KV grade as required. 3½ core X 120 Sq.mm Al.	E-15(a)	4	Nos		1147.00	18.00%	4588.00	4588.00	INR Four Thousand Five Hundred & Eighty Eight Only
23	Supplying and making indoor end termination with brass single compression gland (Heavy duty type) and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor armoured cable of 1.1 KV grade as required. 4 core X 25 Sq.mm Al.	E-15(b)	32	Nos		688.00	18.00%	22016.00	22016.00	INR Twenty Two Thousand & Sixteen Only
24	Supplying and making indoor end termination with brass single compression gland (Heavy duty type) and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor armoured cable of 1.1 KV grade as required. 4core X 4 Sq.mm Cu.	E-15(c)	490	Nos		306.00	18.00%	149940.00	149940.00	INR One Lakh Forty Nine Thousand Nine Hundred & Forty Only
25	Supplying and making indoor end termination with brass single compression gland (Heavy duty type) and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor armoured cable of 1.1 KV grade as required. 4 core X 6 Sq.mm Cu.	E-15(d)	558	Nos		336.00	18.00%	187488.00	187488.00	INR One Lakh Eighty Seven Thousand Four Hundred & Eighty Eight Only
26	Supplying and fixing 32 A, 415 V, TPN Industrial type socket outlet (IP-65), with 3 pole and earth, plug top along with 63 A, 10 kA MCB in IP-65, IK-08 Polycarbonate enclosure with cover for the socket outlet and complete with connections, testing and commissioning etc. including 1.25 Mtr. MS 'C' class stand post of suitable dia. (minimum 50 mm) including civil foundation work (PCC) complete in all respect etc., as required.	E-16	4	Nos		7650.00	18.00%	30600.00	30600.00	INR Thirty Thousand Six Hundred Only
27	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:2.4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 100 x 100 cm and 100 cm deep including RCC cover with frame (heavy duty). With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	E-17	14	Nos		68850.00	18.00%	963900.00	963900.00	INR Nine Lakh Sixty Three Thousand Nine Hundred Only

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1	2	3	3	4	7	5	6	7	9	8
28	External Lighting Feeder pillars Supply, installation, testing & commissioning of LT weather proof dust and vermin proof, outdoor feeder pillar, fabricated out of modular Polycarbonate thermoplastic enclosure/FRP enclosure for environment friendly, recyclable, UV resistant, halogen & silicon free, anti acid & anti corrosive. The gasket material shall be Polyurethane, while the gasket shall be internally embedded. Panel shall be openable with locking arrangement/ front operated, if panel board type. Panel shall be IP-65 or higher rated and enclosure shall be type tested as per IS -61439 etc. The feeder pillars shall be complete with 3 phase and neutral bus bars of capacities as described below and moulded case circuit breakers (MCCBs) with adjustable overload relay, copper FRLS control wiring with 1.5 sq.mm, duly painted complete with earth bus, aluminium bus bar, numbering & sign writing, interconnection etc. as per technical specification & CPRI test reports for short circuit, dielectric strength mechanical protection IK-08 and temperature rise test reports. Incomer: i) 1 No. 100 Amps. 4P MCCB 25ka, Icu=Ics at 433 volts with thermal based release with operating handle, spreader links, ON indicating lamp with 2A backup MCB having O/L, S/C, earth fault protection equipped with the following: Bus bar: 160 Amp 4P, 16kA busbars of high conductivity electrolytic quality aluminium alloy. Outgoing: 4 sets of 63 Amps, 4P, MCB, 10kA with 63 Amps, 4P Contractor. 2 Nos. 0-24 hour timer auto/manual by pass selector switches 1 No. 63 Amp, 4P MCB, 10kA 3 Nos. 63 Amp DP RCCB's of 300 mA leakage current. 3 Nos. 63 Amps DP contractor. 24 Nos. 6 to 25 Amps SP MCB, 10kA.	E-18	2	Nos		153000.00	18.00%	306000.00	306000.00	INR Three Lakh Six Thousand Only
29	Supply and fixing of 17.2 mm Copper bonded BIS certified rod of 3 Mtr length complete environment friendly, RoHS certified, low resistivity Ground enhancement material in 22.6 Kg pack, including pit cover, clamping arrangements to fill the bore area around the rod complete in all respect etc., as required as per technical specifications.	E-19	4	Nos		13525.20	18.00%	54100.80	54100.80	INR Fifty Four Thousand One Hundred and Paise Eighty Only
30	Providing, laying and fixing of following dia. R.C.C. pipe NP3 class complete with R.C.C. collars, jointing with cement mortar 1:2 (1 cement : 2 fine sand) for road crossings including excavation and refilling etc. complete as required. 150 mm	E-20	410	Mtr		2295.00	18.00%	940950.00	940950.00	INR Nine Lakh Forty Thousand Nine Hundred & Fifty Only
31	Making Horizontal boring by suitable mechanical arrangement, Sensor operated, Min 2.5 mts depth, horizontal borewell suitable for inserting 01no 160mm dia HDPE pipe, job including inserting of HDPE pipe in bore well hole, but welding etc., complete as per site requirement.	E-21	120	Mtr		1836.00	18.00%	220320.00	220320.00	INR Two Lakh Twenty Thousand Three Hundred & Twenty Only
32	Supply of 160mm dia size HDPE pipe, ISI marked along with all accessories like socket, couplers etc. conforming to IS 4984-1995, NP6 grade, PE63 etc., complete as required.	E-22	132	Mtr		842.00	18.00%	111144.00	111144.00	INR One Lakh Eleven Thousand One Hundred & Forty Four Only
33	Providing and fixing flow solar studs of size 125 x 125 x 20 mm made of heavy duty body of moulded Aluminium Alloy and High Impact Polystyrene/Polycarbonate having electronically welded micro-prismatic lens with abrasion resistant coating as approved by Engineer in Charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro reflective surface shall be 35 (+/-5) degree to base. The illuminated panels on both sides with at least 12 cm of illuminating area up each side. It shall be tested as described in ASTM I: 809 as recommended in BS: 873 part 4:1973. The studs shall be fixed to the road surface using the adhesive confirming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineering In Charge.	E-23	550	Nos		2754.00	18.00%	1514700.00	1514700.00	INR Fifteen Lakh Fourteen Thousand Seven Hundred Only
Total in Figures								17251835.80	17251835.80	INR One Crore Seventy Two Lakh Fifty One Thousand Eight Hundred & Thirty Five and Paise Eighty Only
Quoted Rate in Words		INR One Crore Seventy Two Lakh Fifty One Thousand Eight Hundred & Thirty Five and Paise Eighty Only								