

रजिस्टर्ड ए.डी. द्वारा/By Regd. A.D.

सं.सं. भाविप्रा/भोपाल/उप.म.प्र.(अभि.-वि.)/का.आ.-02/2024-25/244(1-9)

दिनांक: 15.07.2024

Ref. No: AAI/BPL/DGM(E-E)/WO-02/2024-25

Date: 15.07.2024

सेवा में,

मेसर्स बत्रा इंजिनियर्स,
एफ-24, म.न. 228, सेक्टर - 3,
रोहिणी, नई दिल्ली - 110085
ई-मेल: batraengineers20@gmail.com

M/S Batra Engineers,
F – 24, H. No. 228, Sector – 3,
Rohini, New Delhi – 110085
E-mail: batraengineers20@gmail.com

विषय: "राजा भोज विमानतल, भोपाल में मौजूदा टर्मिनल भवन का पुनः विन्यास | उपशीर्ष: एलटी पैनल की एसआईटीसी, केबल्स की सप्लाइ एवं लेयिंग और अन्य संबंधित कार्य |"

Subject: "Re-Configuration of NITB Bhopal Airport. SH: Misc. Electrical Works like Shifting of Earthing, LT Panel, Cables and other related works."

संदर्भ: 1) दिनांक 08.07.2024 को खोली गई आपकी निविदा |

Ref.: 1) Your tender opened on dated **08.07.2024**

महोदय / Dear Sir

1. उल्लेखित कार्य हेतु आपकी ई-निविदा आपके द्वारा उद्धृत कुल रू. 64,29,000/- (रू. चौसठ लाख उन्तीस हजार मात्र) की नियत मद दर पर अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से एतद् द्वारा स्वीकृत की जाती है, जो कि ई-निविदा की अनुमानित लागत रू. 82,97,711/- (रू. बयासी लाख सत्तानबे हजार सात सौ ग्यारह) से 22.52 % कम है |

Your E-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. 64,29,000.00 (Rupees Sixty Four Lakh Twenty Nine Thousand Only)** which is **22.52% Below** the estimated cost put to E-Tender of **Rs. 82,97,711.00 (Rupees Eighty Two Lakh Ninety Seven Thousand Seven Hundred Eleven Only)**.

2. उप. महाप्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, राजा भोज विमानतल, भोपाल इस कार्य के इंजीनियरिंग प्रभारी होंगे | आपसे निवेदन है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु 09.08.2024 तक उप. महाप्रबंधक (अभि.-विद्युत), भारतीय विमानपत्तन प्राधिकरण, राजा भोज विमानतल के कार्यालय में उपस्थित हो | संविदा करार रू 500/- (पांच सौ रुपये) के न्यायिकेतर (नॉन - ज्युडिशियल) स्टांप पेपर पर बनाया जायगा तथा स्टांप पेपर की लागत आपके द्वारा वहन की जाएगी |

Dy. Gen. Manager (Engg.-Elect.), Airports Authority of India, Raja Bhoj Airport, Bhopal shall be the Engineer-In-Charge of the work. You are requested to attend the office of the Dy. Gen. Manager (Engg.-Elect.), Airports Authority of India, Raja Bhoj Airport, Bhopal by **09.08.2024** to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs. 500/- (Rupees Five Hundred only)** and the cost of the stamp paper shall be borne by you.



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3. कृपया इस पत्र के जारी होने के 10 दिनों के अंदर प्रतिभूति जमा के रूप में ₹ 6,42,900/- (रु. छह लाख बयालीस हजार नौ सौ मात्र) की राशि इस कार्यालय में जमा करा दें अन्यथा करारनामों की संविदा की सामान्य शर्त के पृष्ठ संख्या - 15 पर दी गई शर्त 1ए के अनुसार उक्त राशि आपके बिल से काट ली जाएगी।

Please deposit Rs. 6,42,900/- (Rupees Six Lakh Forty Two Thousand Nine Hundred Only) towards Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted as per condition of Clause 1A on page 15 of the contract document.

4. आपसे अनुरोध है कि आप ठेका श्रमिक (विनिमय एवं उन्मूलन) अधिनियम 1970 के उपबंधों का अनुपालन करें। साथ ही ठेका श्रमिक (विनिमय एवं उन्मूलन) केंद्रीय नियमावली 1971 एवं केंद्रीय एवं राज्य सरकारों के न्यूनतम वेतन तथा उससे संबंधित अन्य नियमों का पालन करें।

You are requested to comply with the provisions of contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971 and minimum wages Act and rules thereof Central and State Governments.

5. आपको सहायक महाप्रबंधक (अभि.-वि.), भारतीय विमानपत्तन प्राधिकरण, राजा भोज विमानतल, भोपाल से तत्काल संपर्क करने का भी निर्देश दिया जाता है। आपको कार्यस्थल (साइट) सौंपने का कार्य उनके द्वारा किया जाएगा।

You are also directed to contact Asstt. Gen. Manager (Engg.-Elect.), AAI, Bhopal Airport immediately who will arrange to hand over the site to you.

6. कृपया नोट करें की कार्य पूरा करने के लिए आपको 03 (तीन) माह का समय प्रदान किया जाता है। यह समय इस पत्र के जारी करने की तिथि के 10वें दिन से माना जाएगा।

Please note that the time allowed for carrying out the work shall be 03 (Three) Months to complete the work. The same shall be reckoned from 10th day from date of issue of this letter.

7. इस ठेके से संबंधित किसी भी प्रकार के पत्र व्यवहार के लिए उप. महाप्रबंधक (अभि.-विद्युत), भा.वि.प्रा., राजा भोज विमानतल, भोपाल - 462036 को संबोधित करें।

Any further correspondence in connection with the contract should normally be addressed to the Dy. Gen. Manager (Engg.-Elect.), Airports Authority of India, R. B. Airport, Bhopal - 462036.

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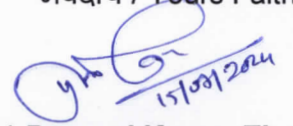
8. कृपया इस पत्र की प्राप्ति की सूचना दें तथा इसके साथ अनुलग्न अनुप्रति पर हस्ताक्षर करके टोकन के प्रतिग्रहण के रूप में अधोहस्ताक्षरी को वापस भेज दें।

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.

9. यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।

In case any discrepancy is found, then English version will be taken as correct.

भवदीय / Yours Faithfully



15/05/2024

(प्रमोद कुमार ठाकरे / Pramod Kumar Thakre)

उप. महाप्रबंधक (अभि.-विद्युत)

Dy. Gen. Manager (Engg.-Elect.)

भा.वि.प्रा., राजा भोज विमानतल, भोपाल – 462036

AAI, Raja Bhoj Airport, Bhopal – 462036.

कृते तथा ओर से, अध्यक्ष,

For and on behalf of Chairman,

भारतीय विमानपत्तन प्राधिकरण,

Airports Authority of India,

Office No.: 0755-264073

Mob No.: 9748327209

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N.O.O. / मूल प्रतिलिपि पर नहीं

Copy to/ प्रतिलिपि प्रेषित :-

1. संयुक्त महाप्रबंधक (सतर्कता), भा.वि.प्रा
पश्चिमी क्षेत्र, सी.एस.आई. एयरपोर्ट, मुंबई-99 (निविदा प्रपत्र के शेड्यूल 'A' की कॉपी सहित)
Jt. General Manager (Vigilance) AAI.
Western Region, C.S.I. Airport, Mumbai-99 (Along with copy of Schedule 'A' of tender document)
2. आयकर आयुक्त
आयकर कार्यालय, होशंगाबाद रोड,
मैदा मिल के सामने, भोपाल।
Commissioner of Income Tax,
Income Tax office, Hoshangabad Road, Opposite Maida Mill, Bhopal.

आंतरिक/ INTERNAL

1. विमानपत्तन निदेशक, भा.वि.प्रा, राजा भोज विमानतल, भोपाल-462036 जानकारी हेतु।
Airport Director, AAI, R. B. Airport, Bhopal – 462036 for information please
2. सहायक महाप्रबंधक (वित्त), भा.वि.प्रा, राजा भोज विमानतल, भोपाल-462036 जानकारी हेतु।
Asstt. Gen. Manager (Finance), AAI, R.B. Airport, Bhopal – 462036 for information please
3. सहायक महाप्रबंधक (अभि- विद्युत), भा.वि.प्रा, राजा भोज विमानतल, भोपाल-462036 कार्यस्थल सौंपने
करारानुसार हेतु।
Asstt. Gen. Manager (Engg.-Elect.), AAI, R.B. Airport, Bhopal – 462036 To handover the site
As per contract agreement
4. प्रबंधक (अभि- विद्युत), भा.वि.प्रा, राजा भोज विमानतल, भोपाल-462036 कार्यस्थल सौंपने एवं
ठेका करारानुसार कार्य निष्पादन हेतु।
Manager (Engg.-Elect.), AAI, R.B. Airport, Bhopal – 462036 To Supervise the work as
per contract agreement
5. करार प्रति/Agreement Copy.
6. कार्य फाईल/Works File.



(प्रमोद कुमार ठाकरे / Pramod Kumar Thakre)

उप. महाप्रबंधक (अभि.-विद्युत)
Dy. Gen. Manager (Engg.-Elect.)

Tender Inviting Authority: AGM(E-E), AAI, R.B. Airport, Bhopal

Name of Work: Re-Configuration of NITB Bhopal Airport. SH: Misc. Electrical Works like Shifting of Earthing, LT Panel, Cables and other related works.

Contract No: AAI/BPL/ENGG(E)/NIT-01/2024-25

Name of the Bidder/ Bidding Firm / Company :	BATRA ENGINEERS
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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 #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder (Without GST) Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
1.00	Design, Manufacture, Supplying, Outdoor type LT Panel & Transport to the site, Receiving, Unloading, Shifting to various locations, handling, assembling, installation in correct aligned position, grouting with dash fasteners, GI nuts-bolts, testing and commissioning of the following bolted fabricated in compartmentalized conform to IEC60439, IS: 8623/1993, Suitable for 415V, 3Phase, 4 Wire 50 Hz Ac supply, are housed in design from CRCA sheet steel of 2mm thick for frame work and covers, 3mm thick for gland plate, bottom base channel of MS section not less than 100mmx 50mmx50mmx 5mm thick for Main L.T. Panel and 40mm x 25mm x 25mm x 5mm thick plates for MDB/MCC and SDBs etc., incl. cleaning & finishing complete, SMC bus bar supports, with short circuit withstand capacity as mentioned in respective panel item, fabrication shall be done in transportable sections and all front and back doors shall be hinged type and earth with frame. Entire panel shall have a common copper continuous earth bar of size 50mm x 6mm or as specified below, including all features of electrical & mechanical interlocking with incomers.					

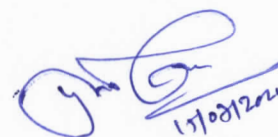
NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
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1	2	4	5	13	53	55
1.01	INCOMING- I & II 2 Nos. 630A 4P MCCB Microprocessor based release (Ics = Icu = 50kA) with inbuilt O/L, S/C & E/F protection as per specification Each incomer shall have following Items - 1 Set of RYB phase indicating LED lamps controlled by 2 amp MCB. 1 Set of ON/ OFF/TRIP Indicating LED Lamps With 2 Amp MCB . 1 No. Digital MFM meter and 3 nos. Cast resin CTs of ratio 630A , Class 0.5 accuracy and 10 VA burden. digital multifunction meter suitable to measure voltage, Ampere, Frequency, Power Factor, Measurement of both KVA/KW/kVAH/MDI, Individual Odd Harmonics for voltage and current including THD with RS-485 port with Electrical and Mechanical interlocking for Incomer. 1 Set Rotary operating mechanism and terminal extension spreaders for all MCCB's. For each Incomer- 1 No Surge protection device Type 2 (Class C), 4 Mode, MOV type suitable for 8/ 20µs surge, Voltage Protection level Up < 1.8kV, Operating Temperature -40 deg 'c' - +80 deg 'C', Connected Between 3Nos. phase to neutral and 1Nos. neutral to earth with discharge Current I_{max} ≥ 40KA Per mode & In ≥ 20kA per Mode. SPD with 63A 4P HRC fuses of 100kA breaking capacity. For connecting SPD minimum 10sqmm FRLSH copper wire must be used & length of connecting leads shall not be more than 500mm for per mode connection including all necessary accessories. The SPD shall compliance with IEC 61643-11.					
1.02	BUSBARS 4P Aluminium bus bars of 800A capacity with heat shrinkable coloured sleeves incl. SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. for withstanding fault level of 50 KA for 1 sec.					
1.03	OUTGOING 2 Nos. 100A 4P MCCB with built in thermal magnetic release with adjustable thermal setting with in built O/L & S/C protection . (Ics = Icu =25 KA) 10 Nos. 63A 4P MCCB with built in thermal magnetic release with adjustable thermal setting with in built O/L & S/C protection . (Ics = Icu =25 KA) Each outgoing shall have following Items- 1 No ON' (Red), OFF & TRIP indication lamp (LED type) with 2 Amp SP MCB for each outgoing. 1 Set Rotary operating mechanism and terminal extension spreaders for all the ACBs/MCCB's. Thermal magnetic release based MCCBs (Upto 250A) shall be provided with inbuilt O/L & S/C protection & E/F Module with CBCT or Earth Fault Relay (ELR 30-3000mA) with required CTs.					
1.04	LT PANEL as described above	1.00	Each	380000.00	380000.00	INR Three Lakh Eighty Thousand Only
2.00	Supply of 3.5 Core X 300 Sq.mm size. XLPE insulated, PVC sheathed Aluminum conductor armoured power cable of 1.1 KV grade conforming to IS:7098 Part-I with upto date amendment etc. complete as required.	500.00	Meter	1950.00	975000.00	INR Nine Lakh Seventy Five Thousand Only

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Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder (Without GST) Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
3.00	Supply of 3.5 Core X 240 Sq.mm size. XLPE insulated, PVC sheathed Aluminum conductor armoured power cable of 1.1 KV grade conforming to IS:7098 Part-I with upto date amendment etc. complete as required.	500.00	Meter	1780.00	890000.00	INR Eight Lakh Ninety Thousand Only
4.00	Supply of 3.5 Core X 50 Sq.mm size. XLPE insulated, PVC sheathed Aluminum conductor armoured power cable of 1.1 KV grade conforming to IS:7098 Part-I with upto date amendment etc. complete as required.	500.00	Meter	790.00	395000.00	INR Three Lakh Ninety Five Thousand Only
5.00	Supply of 3.5 Core X 35 Sq.mm size. XLPE insulated, PVC sheathed Aluminum conductor armoured power cable of 1.1 KV grade conforming to IS:7098 Part-I with upto date amendment etc. complete as required.	500.00	Meter	380.00	190000.00	INR One Lakh Ninety Thousand Only
6.00	Supplying and installing of 150 mm width X 50 mm depth X 1.6 mm thickness size of perforated painted with powder coating M.S. cable trays with perforation not more than 17.5%, in convenient sections, joined with connectors, suspended from the ceiling with M.S. suspenders including bolts & nuts, painting suspenders etc as required.	300.00	Meter	850.00	255000.00	INR Two Lakh Fifty Five Thousand Only
7.00	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. i) 3½ X 300 sq. mm	8.00	Set	500.00	4000.00	INR Four Thousand Only
8.00	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. i) 3½ X 240 sq. mm	8.00	Set	450.00	3600.00	INR Three Thousand Six Hundred Only
9.00	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. i) 3½ X 50 sq. mm	8.00	Each	350.00	2800.00	INR Two Thousand Eight Hundred Only
10.00	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. i) 3½ X 35 sq. mm	8.00	Each	350.00	2800.00	INR Two Thousand Eight Hundred Only
11.00	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. i) 3½ X 300 sq. mm	4.00	Each	3000.00	12000.00	INR Twelve Thousand Only
12.00	Supplying and making straight through joint with heat shrinkable kit including ferrules and other jointing materials for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. i) 3½ X 240 sq. mm	4.00	Each	3600.00	14400.00	INR Fourteen Thousand Four Hundred Only

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NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	BASIC RATE In Figures To be entered by the Bidder (Without GST) Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT In Words
1	2	4	5	13	53	55
13.00	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/ METAL pipe as required. i) Above 185 sq. mm and upto 400 sq. mm	100.00	Meter	300.00	30000.00	INR Thirty Thousand Only
14.00	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/ METAL pipe as required. i) Above 35 sq. mm and upto 95 sq. mm	100.00	Meter	350.00	35000.00	INR Thirty Five Thousand Only
15.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required. i) Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	800.00	Meter	350.00	280000.00	INR Two Lakh Eighty Thousand Only
16.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on cable tray as required. i) Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	700.00	Meter	360.00	252000.00	INR Two Lakh Fifty Two Thousand Only
17.00	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. i) Above 185 sq. mm and upto 400 sq. mm	50.00	Meter	250.00	12500.00	INR Twelve Thousand Five Hundred Only
18.00	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. i) Above 35 sq. mm and upto 95 sq. mm	50.00	Meter	250.00	12500.00	INR Twelve Thousand Five Hundred Only
19.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. i) Above 185 sq. mm and upto 400 sq. mm (clamped with 40x3mm MS flat clamp)	100.00	Meter	290.00	29000.00	INR Twenty Nine Thousand Only
20.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. i) Above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp)	100.00	Meter	250.00	25000.00	INR Twenty Five Thousand Only
21.00	Earthing with G.I. earth plate 600 mm X 600 mm X 6 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	6.00	Set	7500.00	45000.00	INR Forty Five Thousand Only
22.00	Earthing with copper earth plate 600 mm X 600 mm X 3 mm thick including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe of 2.7 metre long etc. with charcoal/ coke and salt as required.	16.00	Set	9900.00	158400.00	INR One Lakh Fifty Eight Thousand Four Hundred Only

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1	2	4	5	13	53	55
23.00	Supplying and laying 25 mm X 5 mm copper strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of brass nut bolt & spring washer spaced at 50mm)	200.00	Meter	650.00	130000.00	INR One Lakh Thirty Thousand Only
24.00	Supplying and laying 25 mm X 5 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/ terminating with G.I. nut, bolt, spring, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm)	200.00	Meter	350.00	70000.00	INR Seventy Thousand Only
25.00	Providing and fixing 25 mm X 5 mm copper strip in 40 mm dia G.I. pipe from earth electrode including connection with brass nut, bolt, spring, washer excavation and re-filling etc. as required.	1500.00	Meter	650.00	975000.00	INR Nine Lakh Seventy Five Thousand Only
26.00	Providing and fixing 25 mm X 5 mm G.I. strip in 40 mm dia G.I. pipe from earth electrode including connection with G.I. nut, bolt, spring, washer excavation and re-filling etc. as required.	1500.00	Meter	350.00	525000.00	INR Five Lakh Twenty Five Thousand Only
27.00	Providing and fixing 25 mm X 5 mm copper strip on surface or in recess for connections etc. as required.	1500.00	Meter	400.00	600000.00	INR Six Lakh Only
28.00	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required.	500.00	Meter	250.00	125000.00	INR One Lakh Twenty Five Thousand Only
Total in Figures					6429000.00	INR Sixty Four Lakh Twenty Nine Thousand Only
Quoted Rate in Words		INR Sixty Four Lakh Twenty Nine Thousand Only				



(Pramod Kumar Thakre)
Dy. Gen. Manager (Engg.-Elect)
AAI, R. B. Airport, Bhopal