

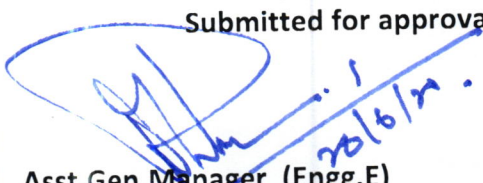
MEMO FORWARDING e-TENDERS TO HIGHER AUTHORITIES

1	Name of work	:	Provision of interleaving circuits for PAPIs and separate circuit for runway guard lights at Mangaluru International Airport. SH: - Laying of cable and associated works.
2	Ref. to Admn. Approval & Expenditure sanction	:	AAI/ML/ENGG(E)/2019-20/13 Date: 31.01.2020 Rs.75,84,534/-
	(i) No. & Date	:	
	(ii) Amount	:	
	(iii) Proportionate amount available for the work included in the present Tenders	:	Budget BE 20-21 AS scheme S.No.12 of Rs 5 Lakh
3	Ref. To Tech Sanction	:	AAI/ ML/ENGG(E)/TS/15 dt: 08.05.2020 Rs. 51,85,170/-
	(i) No. & Date	:	
	(ii) Amount	:	
4	Scope of work for which Tenders have been called for clearly indicating the items omitted from the sanction estimate	:	Laying of GLF cable/GLF works including GLF cable laying and associated works as per BOQ.
5	Ref. To Approval of NIT	:	
	(i) Authority	:	Asst. Gen. Manager, Engg (E) Mangaluru International Airport.
	(ii) Date	:	AAI/ML/ENGG (E)/AGM (E)/ NIT-03/2020-21 dt: 11.05.2020
	(iii) Est. Amount put to Tender	:	Rs. 51,85,170/-
6	Ref. To Publicity	:	
	(i) Date on which notice inviting Tender was placed on notice Board	:	11.05.2020
	(ii) Date of which it was circulated to other offices	:	11.05.2020 (Through CPP Portal, AAI website)
	(iii) Name of News papers (with dates) in which the notice inviting Tender was actually advertised	:	NA

7	(i)	The date and time at which Tender were due to be received	:	25.05.2020 upto 18:00 hrs.		
	(ii)	Postponed date and time if any	:	11.06.2020 upto 18:00 hrs		
	(iii)	Reasons for postponement	:	To give more time to bidders due to COVID-19. Thus for more competition		
	(iv)	Reference to publicity in regard to postponement of tenders	:	E-tender portal		
8	The date from which Tenders were available for sale contractors		:	11.06.2020		
9	Particulars of contractors to whom Tender were sold quoting authority for issue of tenders		:	Nil		
10. Sl. No	Name of contractor		Whether Proprietorship/ Partnership		Date of issue of Tenders	Remarks
(1)	(2)		(3)		(4)	(5)
1	M/s Shree Skanda Electricals, Mangaluru		Partnership		25.05.2020	
2	M/s Techno Electricals, Baroda		Partnership		11.06.2020	
3	M/s Manish Electricals, Gwalior		Proprietorship		25.05.2020	
10	Opening of Tenders			:		
	(i) Date and time at which Tenders were due to be open(Financial Bid)			:	Price bid –26.06.2020 at 14.00 hrs	
	a) Date and time at which Tenders were actually opened(Financial Bid)			:	Price bid –26.06.2020 at 14:30hrs	
	b) Name and Designation of officers who actually opened the Tenders (price bid)			:	1. Sh. S Ram Mohan, Asst.Gen. Manager (E.E) 2. Sh. Poovappa, Manager (F)	
	c) Name of contractors present at the time of opening of Tenders			:	NIL	
	(ii) Name and designation of any other person present			:	NIL	

Contd..3

POSITION OF TENDERS RECEIVED

Sl.No (i)	Name of contractor (ii)	Amount Excluding. GST (iii)	% age above or below the justified cost (excl. GST) (iv)
1	M/s Techno Electricals, Baroda	Rs. 48,18,039/-	7.08 % Below
2	M/s Manish Electricals, Gwalior	Rs. 44,62,550/-	13.94 % Below
12.	(i) Justified percentage as worked by AAI	:	Rs. 51,85,170/- (excluding GST)
13.	Date on which validity of Tenders expires	:	90 DAYS from date of opening. (i.e.- on 23.09.2020)
14.	Remarks & Recommendations of the Executive Engineer	:	
	(i) Available of site	:	Yes
	(ii) Available of stipulated materials	:	N/A
	(iii) Approval of layout plans	:	-
	(iv) Approval to building, plans clearance from local body	:	N/A
	(v) Comments on the capabilities of three lowest Tenders including their financial and technical resources	:	Capable
	(vi) Is this the first call of Tenders? If not details of previous calls and results	:	N/A
15	Justification Based on market rate.		
16	Comments on the Tenders: Tender was floated for the above said work on 11.05.2020 Cover-I (Hard Copy & Prequalification Bid and Technical Bid) was opened on 17.06.2020 out of Three agencies who participated Two were qualified for the Cover-II opening. Cover-II (Financial Bid) was opened on 26.06.2020. The comparative statement was prepared with justification cost as the base (comparative statement including portal generated is enclosed). The offer of M/s Manish Electricals, Gwalior who quoted Rs. 44,62,550/- i.e. 13.94 below the justified cost of Rs. 51,85,170/- is the first lowest. (without GST). The amount for this work can be realized from approved BE- 20-21 in which an amount of Rs 5.00 lakhs was earmarked for the work of "Provision of interleaving circuits for PAPIs and separate circuit for RWY guard lights" (Sl.No 12 of AS scheme)(Work :Provision of interleaving circuits for PAPIs and separate circuit for runway guard lights at Mangaluru International Airport. SH: - Supply of airfield ground lighting cable is also booked under this scheme). Additional amount required will be sought in RE 20-21. Hence financial concurrence for an amount of Rs. 44,62,550/- without GST (Rupees Forty Four Lakhs Sixty Two Thousand Five Hundred and Fifty Only) plus applicable GST, may be accorded for awarding the work to the lowest bidder i.e to M/s Manish Electricals, Gwalior Vide D.O.P.8.5(a). Submitted for approval and forwarding please.  20/6/20. Asst.Gen.Manager (Engg.E) AAI, Mangaluru Intl. Airport		

Comparative statement

Name of work : Provision of interleaving circuits for PAPIs and separate circuit for RWY guard lights at Mangaluru International Airport - SH: - Laying of cable and associated works- SH: - Laying of cable and associated works.

Bid No. 2020_AAI_47723_1

Date of Financial Bid Opening :26.06.2020 at 02.00 hrs

Sl.No	Description	Unit	Qty	Justified		M/s Techno Electricals, Baroda		M/s Manish Electricals,Gwalior	
				Rate	Amount	Rate	Amount	Rate	Amount
1	Supply of 5 KV grade plug and receptacle of type-I class "B" connector suitable for field attachment with 5 KV grade of 16 Sq.mm XLPE/PVC insulated PVC sheathed single core copper conductor airfield cable etc. complete as required. (refer technical specification)	Each	142.00	510.00	72420.00	500.00	71000.00	360.00	51120.00
2	Supplying and laying of following size ISI marked DWC HDPE pipe along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required. - 63mm Dia (63mm OD, 50mm ID Nominal)	Metres	9106.00	135.00	1229310.00	196.00	1784776.00	170.00	1548020.00
3	Supply of double holed CI isolating transformer housing box suitable for installing runway/taxiway light fittings which is water tight, round type, metal container of outside dia 330mm, height 450mm, made of 10mm thick cast iron moulding all round, except the top surface which is 15 mm thick, cast iron moulding suitable to receive light fitting base plate on the top and having two numbers of clear holes at side surfaces diametrically opposite and with centre of hole at 75mm above bottom to receive one number each of 50mm dia B class GI pipe and check nuts, two numbers of clear holes at side surfaces diametrically opposite and with centre of hole at 175 mm above bottom to receive one number each of 15mm dia B class GI pipe and check nuts as required. The box should have 2nos SS earth bolts M10*30mm tapped inside near the hole (4" away from the hole centre) for earth connection and having a drain hole at the bottom tapped to receive 15 mm dia B class GI pipe and having clear opening of 220mm at the top surface and 6nos M10 tapped hole etc cpmplete as required (refer technical specifications).	Each	17.00	4443.00	75531.00	4868.00	82756.00	4800.00	81600.00
4	Supply of trippled holed (three holed) CI isolating transformer housing box suitable for installing runway/taxiway light fittings which is water tight, round type, metal container of outside dia 330mm, height 450mm, made of 10mm thick cast iron moulding all round, except the top surface which is 15 mm thick, cast iron moulding suitable to receive light fitting base plate on the top and having three numbers of clear holes at side surfaces two holes diametrically opposite and other hole right angle to its axis and with centre of hole at 75mm above bottom to receive one number each of 50mm dia B class GI pipe and check nuts, three numbers of clear holes at side surfaces two holes diametrically opposite and other hole right angle to its axis and with centre of hole at 175 mm above bottom to receive one number each of 15mm dia B class GI pipe and check nuts as required. The box should have 3 nos SS earth bolts M10*30mm tapped inside near the hole (4" away from the hole centre) for earth connection and having a drain hole at the bottom tapped to receive 15 mm dia B class GI pipe and having clear opening of 220mm at the top surface and 6nos M10 tapped hole etc complete as required (refer technical specification).	Each	7.00	4495.00	31465.00	4968.00	34776.00	4950.00	34650.00
5	Providing, laying and fixing of 80mm dia ISI marked B class (medium class) G.I. pipe complete with G.I. fittings in the exisitng trench/above the drain etc. complete as required	Metres	191.00	685.00	130835.00	989.00	188899.00	900.00	171900.00

Sl.No	Description	Unit	Qty	Justified		M/s Techno Electricals, Baroda		M/s Manish Electricals,Gwalior	
				Rate	Amount	Rate	Amount	Rate	Amount
6	Making field connections by crimping 6/16.sq.mm plug and receptacle with the existing 6/16 sq.mm single core GLF cable including filling all the gap with water sealent silicon compound, providing and wrapping with HT insulation tape and over which wrapping with PVC tape etc. as required.	Each	142.00	315.00	44730.00	100.00	14200.00	150.00	21300.00
7	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 kV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Upto 35 sq. mm (Actual size 6 sqmm - AFL Cable)	Metres	21484.00	27.00	580068.00	23.00	494132.00	20.00	429680.00
8	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 kV grade of following size in the existing masonry open duct as required. Upto 35 sq. mm (Actual size 6 sqmm - AFL Cable)	Metres	330.00	20.00	6600.00	23.00	7590.00	30.00	9900.00
9	Excavation of trenches for cable/pipe laying in all kind of soil with suitable width and depth (35cm width and 80cm in depth) including dressing of sides, lift upto 1.5 m, getting out the excavated soil, refilling available earth after laying of cable/ pipe etc in layers of 20 cm, ramming, watering and disposal of surplus excavated soil as directed, within a lead of 50 metres.	Cu.M	629.00	481.00	302549.00	369.00	232101.00	300.00	188700.00
10	Excavation of trenches for cable/pipe laying in laterite rock by mechanical/manual means with suitable width and depth (minimum 35cm width and 80cm in depth), including dressing of sides, lift upto 1.5 m, getting out the excavated soil, refilling available earth after laying of cable/ pipe etc in layers of 20 cm, ramming, watering and disposal of surplus excavated soil as directed, within a lead of 50 metres.	Cu.M	1168.00	1282.00	1497376.00	814.00	950752.00	800.00	934400.00
11	Providing and laying of 4mm (8 SWG) dia copper wire in the existng trench/pipe along the route of existing cable, making all conncections using copper lugs etc complete as required.	Metres	10914.00	88.00	960432.00	70.00	763980.00	70.00	763980.00
12	Removal of existing cement concrete interlocking paver blocks of any design from footpath/ central verge, including removal of rubbish etc., stacking of material within 50 metre lead as per direction of Engineer-in-Charge, laying and fixing of removed cement concrete interlocking paver blocks of any design (after completing the pipe laying work) in required line, level, curvature, colour and pattern over and including supply and laying of upto 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	Sq.M	33.00	344.00	11352.00	700.00	23100.00	500.00	16500.00
13	Dismantling of concrete/bituminous road manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge :	Cu.M	5.00	874.00	4370.00	1225.00	6125.00	400.00	2000.00
14	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	Cu.M	15.00	5852.00	87780.00	5000.00	75000.00	6000.00	90000.00
15	Installation of double holed transformer housing boxes with a base concrete of 1:2:4 of size 630 x 630 x 100 mm thick, all round concrete of 1:2:4 around the housing box, 150 mm thick, the top sloped with 1:2:4 cement including providing and fixing of two nos of 300mm long 50mm dia ISI marked B class GI pipe and two numbers of 300mm long 15mm dia ISI marked B class GI pipe on each to the respective existing hole (for cable and earth wire entry) , fixing the above pipes with double check nut (one inside and one outside the box) to the box , providing and fixing 300mm long 15 mm dia. ISI marked "B" class GI pipe for drainage of water including excavation of earth alignments etc. complete as required.	Each	17.00	1616.00	27472.00	2323.00	39491.00	2800.00	47600.00

[illegible]

Signature of the Asst.Gen.Manager (E-E)

Signature of the AGM (Finance)

Government eProcurement System

Created By: RAM MOHAN S

Created Date/Time: 26-Jun-2020 02:31 PM

Tender Title: Provision of interleaving circuits for PAPIs and separate circuit for runway guard lights at Mangaluru International Airport. Sh - Laying of cable and associated works

Tender ID: 2020_AAI_47723_1

Tender Inviting Authority: Asst. Gen. Manager (Engg E), AAI Mangaluru, Airport.

Name of Work: Provision of interleaving circuits for PAPIs and separate circuit for RWY guard lights at Mangaluru International Airport - SH: - Laying of cable and associated

Tender ID 2020_AAI_47723_1

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	Manish Electricals		Techno Electricals		L1 Amount	L1 Vendor
					Rate	Amount	Rate	Amount		
1.00	Supply of 5 KV grade plug and receptacle of type-I class "B" connector suitable for field attachment with 5 KV grade of 16 Sq.mm XLPE/PVC insulated PVC sheathed single core copper conductor airfield cable etc. complete as required. (refer technical specification)	142.00	Each	0.00	360.00	51120.00	500.00	71000.00	51120.00	Manish Electricals
2.00	Supplying and laying of following size ISI marked DWC HDPE pipe along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required. - 63mm Dia (63mm OD, 50mm ID Nominal)	9106.00	Meter	0.00	170.00	1548020.00	196.00	1784776.00	1548020.00	Manish Electricals
3.00	Supply of double holed CI isolating transformer housing box suitable for installing runway/taxiway light fittings which is water tight, round type, metal container of outside dia 330mm, height 450mm, made of 10mm thick cast iron moulding all round, except the top surface which is 15 mm thick, cast iron moulding suitable to receive light fitting base plate on the top and having two numbers of clear holes at side surfaces diametrically opposite and with centre of hole at 75mm above bottom to receive one number each of 50mm dia B class GI pipe and check nuts, two numbers of clear holes at side surfaces diametrically opposite and with centre of hole at 175 mm above bottom to receive one number each of 15mm dia B class GI pipe and check nuts as required. The box should have 2nos SS earth bolts M10*30mm tapped inside near the hole (4" away from the hole centre) for earth connection and having a drain hole at the bottom tapped to receive 15 mm dia B class GI pipe and having clear opening of 220mm at the top surface and 6nos M10 tapped hole etc cpmplete as required (refer technical specifications).	17.00	Each	0.00	4800.00	81600.00	4868.00	82756.00	81600.00	Manish Electricals
4.00	Supply of tripped holed (three holed) CI isolating transformer housing box suitable for installing runway/taxiway light fittings which is water tight, round type, metal container of outside dia 330mm, height 450mm, made of 10mm thick cast iron moulding all round, except the top surface which is 15 mm thick, cast iron moulding suitable to receive light fitting base plate on the top and having three numbers of clear holes at side surfaces two holes diametrically opposite and other hole right angle to its axis and with centre of hole at 75mm above bottom to receive one number each of 50mm dia B class GI pipe and check nuts, three numbers of clear holes at side surfaces two holes diametrically opposite and other hole right angle to its axis and with centre of hole at 175 mm above bottom to receive one number each of 15mm dia B class GI pipe and check nuts as required. The box should have 3 nos SS earth bolts M10*30mm tapped inside near the hole (4" away from the hole centre) for earth connection and having a drain hole at the bottom tapped to receive 15 mm dia B class GI pipe and having clear opening of 220mm at the top surface and 6nos M10 tapped hole etc complete as required (refer technical specification).	7.00	Each	0.00	4950.00	34650.00	4968.00	34776.00	34650.00	Manish Electricals

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	Manish Electricals		Techno Electricals		L1 Amount	L1 Vendor
					Rate	Amount	Rate	Amount		
5.00	Providing, laying and fixing of 80mm dia ISI marked B class (medium class) G.I. pipe complete with G.I. fittings in the existing trench/above the drain etc. complete as required	191.00	Meter	0.00	900.00	171900.00	989.00	188899.00	171900.00	Manish Electricals
6.00	Making field connections by crimping 6/16.sq.mm plug and receptacle with the existing 6/16 sq.mm single core GLF cable including filling all the gap with water sealent silicon compound, providing and wrapping with HT insulation tape and over which wrapping with PVC tape etc. as required.	142.00	Each	0.00	150.00	21300.00	100.00	14200.00	14200.00	Techno Electricals
7.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 kV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Upto 35 sq. mm (Actual size 6 sqmm - AFL Cable)	21484.00	Meter	0.00	20.00	429680.00	23.00	494132.00	429680.00	Manish Electricals
8.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 11 kV grade of following size in the existing masonry open duct as required. Upto 35 sq. mm (Actual size 6 sqmm - AFL Cable)	330.00	Meter	0.00	30.00	9900.00	23.00	7590.00	7590.00	Techno Electricals
9.00	Excavation of trenches for cable/pipe laying in all kind of soil with suitable width and depth (35cm width and 80cm in depth) including dressing of sides, lift upto 1.5 m, getting out the excavated soil, refilling available earth after laying of cable/ pipe etc in layers of 20 cm, ramming, watering and disposal of surplus excavated soil as directed, within a lead of 50 metres.	629.00	CuM	0.00	300.00	188700.00	369.00	232101.00	188700.00	Manish Electricals
10.00	Excavation of trenches for cable/pipe laying in laterite rock by mechanical/manual means with suitable width and depth (minimum 35cm width and 80cm in depth), including dressing of sides, lift upto 1.5 m, getting out the excavated soil, refilling available earth after laying of cable/ pipe etc in layers of 20 cm, ramming, watering and disposal of surplus excavated soil as directed, within a lead of 50 metres.	1168.00	CuM	0.00	800.00	934400.00	814.00	950752.00	934400.00	Manish Electricals
11.00	Providing and laying of 4mm (8 SWG) dia copper wire in the existing trench/pipe along the route of existing cable, making all connections using copper lugs etc complete as required.	10914.00	Meter	0.00	70.00	763980.00	70.00	763980.00	763980.00	Techno Electricals, Manish Electricals
12.00	Removal of existing cement concrete interlocking paver blocks of any design from footpath/ central verge, including removal of rubbish etc., stacking of material within 50 metre lead as per direction of Engineer-in-Charge, laying and fixing of removed cement concrete interlocking paver blocks of any design (after completing the pipe laying work) in required line, level, curvature, colour and pattern over and including supply and laying of upto 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.	33.00	SqM	0.00	500.00	16500.00	700.00	23100.00	16500.00	Manish Electricals
13.00	Dismantling of concrete/bituminous road manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge	5.00	CuM	0.00	400.00	2000.00	1225.00	6125.00	2000.00	Manish Electricals
14.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:2:4 (1 Cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	15.00	CuM	0.00	6000.00	90000.00	5000.00	75000.00	75000.00	Techno Electricals

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	Manish Electricals		Techno Electricals		L1 Amount	L1 Vendor
					Rate	Amount	Rate	Amount		
15.00	Installation of double holed transformer housing boxes with a base concrete of 1:2:4 of size 630 x 630 x 100 mm thick, all round concrete of 1:2:4 around the housing box, 150 mm thick, the top sloped with 1:2:4 cement including providing and fixing of two nos of 300mm long 50mm dia ISI marked B class GI pipe and two numbers of 300mm long 15mm dia ISI marked B class GI pipe on each to the respective existing hole (for cable and earth wire entry) , fixing the above pipes with double check nut (one inside and one outside the box) to the box , providing and fixing 300mm long 15 mm dia. ISI marked "B" class GI pipe for drainage of water including excavation of earth alignments etc. complete as required.	17.00	Each	0.00	2800.00	47600.00	2323.00	39491.00	39491.00	Techno Electricals
16.00	Installation of triple (three) holed transformer housing boxes with a base concrete of 1:2:4 of size 630 x 630 x 100 mm thick all round concrete of 1:2:4, 150 mm thick, the top sloped with 1:2:4 cement including providing and fixing of three nos of 300mm long 50mm dia ISI marked B class GI pipe and three nos of 300mm long 15mm dia ISI marked B class GI pipe one each to the respective existing holes,(for cable and earth wire entry), fixing the pipes with double check nuts (one inside and one outside the box) to the box, providing and fixing 300mm long 15 mm dia. ISI marked "B" class GI pipe for drainage of water including excavation of earth, alignments etc. complete as required.	7.00	Each	0.00	2800.00	19600.00	2323.00	16261.00	16261.00	Techno Electricals
17.00	Earthing with ISI marked B class (medium class) G.I. earth pipe of 4.50 meter long, 40 mm dia including all accessories, excavation/drilling the earth for placing earth pipe, providing masonry enclosure with cover plate having locking arrangement/concrete earth chamber with concrete cover (concrete cover to fit inside the concrete chamber), lifting hooks for cover, watering funnel etc. with charcoal/coke and salt etc complete as required. (refere technical specification)	2.00	Each	0.00	9000.00	18000.00	7500.00	15000.00	15000.00	Techno Electricals
18.00	Providing and laying earth connection from earth electrode with 4.00 mm dia copper wire in 15 mm dia ISI marked B class G.I. pipe from earth electrode including connection with copper thimble, excavation and re-filling etc complete as required.	20.00	Meter	0.00	150.00	3000.00	225.00	4500.00	3000.00	Manish Electricals
19.00	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement :2 coarse sand : 4 graded stone aggregate 20mm nominal size) of size 60 cm x 60 cm at the bottom and 50 cm x 50 cm at the top with a thickness of 10 cm including inscription duly engraved on the marker, fixing the marker in ground at required locations etc complete as required.	68.00	Each	0.00	450.00	30600.00	200.00	13600.00	13600.00	Techno Electricals

Total in Figures

4462550.00

4818039.00

Lowest Amount Quoted BY: Manish Electricals(4462550.00)

BOQ Summary Details Tender Title: Provision of interleaving circuits for PAPIs and separate circuit for runway guard lights at Mangaluru International Airport. Sh - Laying of cable and associated works Tender ID: 2020_AAI_47723_1
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Sheet Name	SI.No	Bidder Name	Amount	Bid Rank
BoQ1	1	Manish Electricals	4462550.00	L1
	2	Techno Electricals	4818039.00	L2

Justification Statement

Name of Work: Work to meet emergency operational and DGCA requirement. SH: - Provision of insulation mats at Mangaluru Int'l Airport.

S.No	Description	Qty	Unit	Rate Excl GST	Amount
1	Supply of ISI marked, antiskid, category III, minimum 1000 mm wide synthetic insulation mats of 3.3 KV grade conforming to IS 15652:2006 with upto date amendments having minimum thickness of 2mm+/-10 % and withstand capacity as per IS for LT installations and fixing the same with suitable adhesive /chemibound and sealing material complete as required. The mat shall be CPRI certified for required voltage grade and other parameters etc	192.00	Sq.Mtrs	941.00	180672.00
2	Supply of ISI marked, antiskid, category III, minimum 1000 mm wide synthetic insulation mats of 11 KV grade conforming to IS 15652:2006 with upto date amendments having minimum thickness of 2.5 mm+/-10 % and withstand capacity as per IS for HT installations as required and fixing the same with suitable adhesive /chemibound and sealing material complete as required. The mat shall be CPRI certified for required voltage grade and other parameters etc	47.00	Sq.Mtrs	1133.00	53251.00
	Total				233923.00
	Add Labour cess @ 1%				2339.23
	Total				236262.23
	Say				236262.00

(Rupees Two Lakhs Thirty Six Thousand Two Hundred and Sixty Two Only)

GST will be paid as per actual at the time of payment on submission of GST invoice


26/06/20
Asst. Gen. Manager (Engg-E)


26/06/20
Asst. Gen. Manager (Engg-E)


26/06/20
Asst. Gen. Manager (Engg-E)


25/06/2020
Asst. Gen. Manager (Engg-E)
AAI, Mangaluru Intl. Airport