

Government eProcurement System

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Tender Title: Re-carpeting of Runway, Taxiway, Apron, perimeter road along with construction of runway shoulder, blast pad, perimeter road shoulder and RESA extension at CA Kandla

Tender ID: 2025_AAI_224423_1

Tender Inviting Authority: SM (E-C), AAI, Kandla Airport

Name of Work: Re-carpeting of Runway, Taxiway, Apron, perimeter road along with construction of runway shoulder, blast pad, perimeter road shoulder and RESA extension at C.A. Kandla.

Contract No: 2025_AAI_224423_1

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	Ravji Manji Sorathia And Co (GSTN-24AAHFR1846C2ZH) BID ID -871285		DHANJIBHAI K PATEL (GSTN-24AAHFD1913C1Z4) BID ID -875606		NSC Projects Pvt. Ltd. (GSTN-07AADCN4958N1ZU) BID ID -875785		PRL PROJECTS AND INFRASTRUCTURE LIMITED (GSTN-07AAACP0411D1Z8) BID ID -877208	
					Rate	Amount	Rate	Amount	Rate	Amount	Rate	Amount
0.00	CIVIL WORKS											
1.00	Earth work in soil with Hydraulic Excvator including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross section, and transporting to the location within all lifts and lead upto 5000 m, etc. complete s per direction of Engineer-in-charge.	22289.00	cum		150.00	3343350.00	100.00	2228900.00	100.00	2228900.00	100.00	2228900.00
2.00	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth dressing to camber and consolidating with road roller including making good the undulations etc. as per direction of Engineer in charge.	63777.00	sqm		11.00	701547.00	20.00	1275540.00	10.00	637770.00	6.00	382662.00
3.00	Construction of granular sub-base (GSB) by providing close graded Material, conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. : With material conforming to Grade-I (size range 53 mm to 0.075 mm)	12267.00	cum		1168.00	14327856.00	1300.00	15947100.00	1200.00	14720400.00	1375.00	16867125.00

L1 Amount	L1 Vendor
2228900.00	DHANJIBHAI K PATEL, NSC Projects Pvt. Ltd., PRL PROJECTS AND INFRASTRUCTURE LIMITED
382662.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
14327856.00	Ravji Manji Sorathia And Co

4.00	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in mechanical mix plant carriage of mixed material by tipper to site, laying in uniform layers with paver finisher in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. If the actual quantity of bitumen emulsion varies from the quantity assumed above, necessary cost adjustment for deviation in the quantity of bitumen emulsion shall be done as per rate in actual supply voucher from nearest refinery at the time of execution. The rate of bitumen emulsion exclusive of GST shall only be considered for payment	3583.00	cum
5.00	Providing and applying primer coat with bitumen emulsion SS1 grade conforming to IS:8887 on prepared surface of granular base including clearing of surface and spraying primer at the rate of 0.70 kg/sqm using mechanical means complete in all respects as per direction of Engineer-in-charge. If the actual quantity of bitumen emulsion varies from the quantity assumed above, necessary cost adjustment for deviation in the quantity of bitumen emulsion shall be done as per rate in actual supply voucher from nearest refinery at the time of execution. The rate of bitumen emulsion exclusive of GST shall only be considered for payment.	23889.00	sqm
6.00	Providing and applying tack coat suitable low Viscosity paving bitumen of VG-10 grade confirming to IS:73, spraying the bitumen with mechanically operated spray unit at the rate specified below, cleaning and preparing the existing pavement surface as per specifications complete in all respects as per direction of Engineer-In-Charge. If the actual quantity of bitumen varies from the quantity specified, necessary cost adjustment for deviation in the quantity of bitumen shall be done as per rate in actual supply voucher from nearest refinery at the time of execution. The rate of bitumen exclusive of GST shall only be considered for payment. 0.20Kg/Sqm on existing bituminous surface.	165132.00	sqm

1450.00	5195350.00	1500.00	5374500.00	1300.00	4657900.00	1500.00	5374500.00
61.00	1457229.00	40.00	955560.00	39.00	931671.00	40.00	955560.00
30.00	4953960.00	20.00	3302640.00	18.00	2972376.00	10.00	1651320.00

4657900.00	NSC Projects Pvt. Ltd.
931671.00	NSC Projects Pvt. Ltd.
1651320.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED

7.00	Providing and applying tack coat (*using bitumen emulsion (Rapid setting) complying with IS:8887 or suitable low viscosity paving bitumen of VG 10 grade conforming to IS:73), spraying the bitumen with mechanically operated spray unit at the rate specified below, cleaning and preparing the existing pavement surface as per specifications complete in all respects as per direction of Engineer-In-Charge. If the actual quantity of bitumen varies from the quantity specified, necessary cost adjustment for deviation in the quantity of bitumen shall be done as per rate in actual supply voucher from nearest refinery at the time of execution. The rate of bitumen exclusive of GST shall only be considered for payment. 0.30 Kg/Sqm on existing concrete surface	5454.00	sqm
8.00	Providing and laying of Hot Mix Dense Bituminous Macadam (DBM) using crushed stone aggregates of quality, size and grading as specified and 2% cement by weight of aggregates as specified and Viscosity Grade Bitumen (supplied in bulk) in proportions as per job mix formula and laid to specified levele, grade and camber as per specification, drawings and as directed by the Engineer in charge including compacting with 8-10 tone, prefably Vibratory Road Roller of adequate capacity to achieve the specified values of compaction, strength, surface accuracy complete [for tendering purpose VG bitumen of grade VG-30 shall be taken as 110 kg/m3 of mix supplied in Bulk produced by Govt. Refineries and 2% cement by weight of aggregates as filler material].	1417.00	cum
9.00	Providing and laying of Hot Mix Semi Dense Asphaltic Concrete (SDAC) using crushed stone aggregate of quality, size and grading as specified and 2% cement by weight of aggregates as specified and Viscosity Grade Bitumen (supplied in Bulk) in proportions as per job mix formula and laid to specified levels, grade and camber as per specification, drawings and as directed by the Engineer-in-Charge including compacting with 8-10 tonne, preferably vibratory road roller of adequate capacity to achieve the specified values of compaction, strength, surface accuracy complete [for tendering purpose VG bitumen of grade VG-30) content shall be taken as 120 kg/m3 of mix supplied in Bulk produced by Govt. Refineries and 2% cement by weight of aggregates as filler material].	5479.00	cum

29.00	158166.00	20.00	109080.00	28.00	152712.00	15.00	81810.00
10900.00	15445300.00	10500.00	14878500.00	9650.00	13674050.00	7500.00	10627500.00
11600.00	63556400.00	11500.00	63008500.00	9500.00	52050500.00	8350.00	45749650.00

81810.00	PRL PROJECTS AND INFRASTRU CTURE LIMITED
10627500.00	PRL PROJECTS AND INFRASTRU CTURE LIMITED
45749650.00	PRL PROJECTS AND INFRASTRU CTURE LIMITED

10.00	Providing and laying of Hot Mix Dense Asphaltic Concrete (DAC) using crushed stone aggregate of quality, size and grading as specified and 2% cement by weight of aggregates as specified and Viscosity Grade Bitumen (Supplied in bulk) in proportion as per job mix formula and laid to specified levels, grade and camber as per specification, drawings and as directed by the Engineer-in-Charge including compacting with 8-10 tonne, preferably vibratory road roller of adequate capacity to achieve the specified values of compaction, strength, surface accuracy complete [for tendering purpose VG bitumen of grade VG-30 content shall be taken as 135 kg/m3 of mix supplied in Bulk produced by Govt. Refineries and 2% cement by weight of aggregates as filler material].	2881.00	cum
11.00	Painting runway/taxi track/apron marking with adequate nos of coats to give uniform finish with road marking paint of superior make as approved by the Engineer-in-charge, i/c cleaning the surface of all dirt, scales, oil, grease and other foreign material etc. and lining out complete New work (Two or more coats)	10000.00	sqm
12.00	Providing, laying and spreading stone chippings/screenings (10 mm nominal size) uniformly over the given area.	4050.00	cum
13.00	Providing and laying glass grid conforming to MoRTH specification of 100kN/m biaxial strength including rolling with rubber tyre roller etc. all complete as per design requirements, manufacturer specifications and direction of Engineer-in-Charge.	4328.00	sqm
14.00	ELECTRICAL WORKS SH - I: Runway Edge/Taxiway/End/Threshold lighting System Supply of FAA certified/ complied model bi-directional elevated high intensity LED type runway edge light fitting complete with prefocussed LED modules and LED driver suitable for series circuit 2.8 A to 6.6 Amps, clear outer prismatic/glass dome, inner prismatic lens/glass, 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 conforming to particular specifications, frangibility, photometric requirement and to meet latest ICAO/FAA/DGCA CAR specifications as required.		
14.10	With 1 no. 180° clear and 1 no. 180° clear filter	37.00	Each
14.20	With 1 no. 180° clear and 1 no. 180° yellow filter	79.00	Each

12600.00	36300600.00	12500.00	36012500.00	10000.00	28810000.00	9060.00	26101860.00
500.00	5000000.00	600.00	6000000.00	150.00	1500000.00	200.00	2000000.00
1400.00	5670000.00	1500.00	6075000.00	1200.00	4860000.00	1100.00	4455000.00
140.00	605920.00	500.00	2164000.00	180.00	779040.00	150.00	649200.00
18500.00	684500.00	53550.00	1981350.00	40000.00	1480000.00	35350.00	1307950.00
19850.00	1568150.00	53550.00	4230450.00	40000.00	3160000.00	35350.00	2792650.00

26101860.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
1500000.00	NSC Projects Pvt. Ltd.
4455000.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
605920.00	Ravji Manji Sorathia And Co

684500.00	Ravji Manji Sorathia And Co
1568150.00	Ravji Manji Sorathia And Co

15.00	Supply of FAA certified/ complied model Elevated Omnidirectional, medium intensity light fittings suitable for Taxiway/Turning Pad/Apron Edge Lighting use with LED type lamp complete with lens support mechanism, prefocus lamp holder, lens clamping mechanism, central column assembly, breakable coupling, gaskets, two pin secondary leads, base plate with 6 nos M-10 stainless steel bolts, spring washers and other accessories with omnidirectional blue lens, LED lamp suitable for series circuit 2.8 A to 6.6 Amps, LED electronic assembly etc, suitable of connecting to the secondary side of 15 W isolating transformer and confirming to particular specifications,frangibility, photometric requirement and to meet latest ICAO/FAA/DGCA CAR specifications as required.	90.00	Each
16.00	Supply of FAA certified/ complaint model Unidirectional inset type high intensity red runway end light fitting for aviation visual aids requirement complete with shallow base of side cable entry and matching body of the fitting, inner body of the fitting, inner body and outer cover with complete with LED lamp with integral driver, fail -open technology and electronics suitable for 2.8 A to 6.6 A current with connected heat resistant accessories, prism assembly, optical assembly, O ring seal, pressure relief test plug, hardware, lenses, cable lead with compatible to existing ALCMS/ILCMS confirming to latest ICAO/DGCA CAR requirement as per specification complete as required.	29.00	Each
17.00	Supply of FAA certified/ complaint model Unidirectional inset type high intensity green runway threshold fitting for aviation visual aids requirement complete with shallow base of side cable entry and matching body of the fitting, inner body of the fitting, inner body and outer cover with complete with LED lamp with integral driver, fail -open technology and electronics suitable for 2.8 A to 6.6 A current with connected heat resistant accessories, prism assembly, optical assembly, O ring seal, pressure relief test plug, hardware, lenses, cable lead with compatible to existing ALCMS/ILCMS confirming to latest ICAO/CAR requirement as per specification complete as required.	29.00	Each
18.00	Supply of FAA certified/ complied model Inset LED type high intensity bi-directional Runway Edge light fittings (Clear / Clear), complete with LED modules and LED driver suitable for series circuit 2.8 A to 6.6 A current, lens, support mechanism, lens clamping mechanism, gaskets, two pin secondary leads, suitable base for bottom hole entry, base plate with 6 nos. M-10 stainless steel bolts, spring & plain washers and required accessories etc. and conforming to ICAO/FAA/DGCA CAR requirements as required.	2.00	Each

12900.00	1161000.00	4690.00	422100.00	4500.00	405000.00	4040.00	363600.00
16800.00	487200.00	147900.00	4289100.00	78000.00	2262000.00	41410.00	1200890.00
12250.00	355250.00	178180.00	5167220.00	80000.00	2320000.00	50500.00	1464500.00
18500.00	37000.00	69170.00	138340.00	82000.00	164000.00	55550.00	111100.00

363600.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
487200.00	Ravji Manji Sorathia And Co
355250.00	Ravji Manji Sorathia And Co
37000.00	Ravji Manji Sorathia And Co

19.00	Supply of FAA certified/ complied model Inset LED type high intensity bi-directional Runway Edge light fittings (Clear / Yellow), complete with LED modules and LED driver suitable for series circuit 2.8 A to 6.6 A current, lens, support mechanism, lens clamping mechanism, gaskets, two pin secondary leads, suitable base for bottom hole entry, base plate with 6 nos. M-10 stainless steel bolts, spring & plain washers and required accessories etc. and conforming to ICAO/FAA/DGCA CAR requirements as required.	7.00	Each
20.00	Supply of FAA certified/ complied model Inset type high intensity LED type Runway Approach light fittings (Clear) complete with LED modules and LED driver suitable for series circuit 2.8 A to 6.6 A current, lens, support mechanism, lens clamping mechanism, gaskets, two pin secondary leads, suitable base for bottom hole entry, base plate with 6 nos. M-10 stainless steel bolts, spring & plain washers and required accessories etc. and conforming to ICAO/FAA/DGCA CAR requirements as required.	3.00	Each
21.00	Supply of FAA certified/ complied model LED Inset type Taxiway light fitting complete with LED modules and LED driver suitable for series circuit 2.8 A to 6.6 A current, the fixture shall be made of dia cast aluminium alloy shallow base with side entry and matching top fixture assembly with heat resistant accessories, prism assembly, optical assembly, "O" ring seal, pressure relief test plug, lenses, connecting lead, all required hardware etc. as per confirming to ICAO Annex-14/ DGCA CAR/ FAA requirement. (Inset type LED Taxiway Edge Light fitting omni directional Blue)	3.00	Each
22.00	Supply of FAA certified/ complied model Unidirectional elevated LED type high intensity Approach Light Fitting complete with prefocussed LED modules and LED driver suitable for series circuit 2.8 A to 6.6 Amps, lens/spreader glass, lens holding mechanism, reflector assembly, elevation and horizontal adjustment mechanism, breakable couplings, 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. complete as required and confirming to particular specification, frangibility, photometric requirement and to meet latest ICAO/FAA/DGCA CAR requirements as required.	38.00	Each
23.00	Supply of FAA/ICAO/DGCA-CAR certified and compliant LED based runway guard light complete with LED lamps with integral driver suitable for operation along with existing 2.8-6.6 Amps current taxiway circuit & CCR with all accessories, confirming to particular specification, frangibility, photometric requirement and cable lead with plug ready for site installation on circular housing box including all accessories etc. as required.	2.00	Set

19850.00	138950.00	69170.00	484190.00	82000.00	574000.00	55550.00	388850.00
16500.00	49500.00	89250.00	267750.00	88000.00	264000.00	50500.00	151500.00
9260.00	27780.00	53550.00	160650.00	43000.00	129000.00	32320.00	96960.00
16500.00	627000.00	64710.00	2458980.00	43000.00	1634000.00	32320.00	1228160.00
55800.00	111600.00	278910.00	557820.00	200000.00	400000.00	202000.00	404000.00

138950.00	Ravji Manji Sorathia And Co
49500.00	Ravji Manji Sorathia And Co
27780.00	Ravji Manji Sorathia And Co
627000.00	Ravji Manji Sorathia And Co
111600.00	Ravji Manji Sorathia And Co

24.00	Supply of 03 lamp Precision Approach Path Indicator unit (PAPI) with totally corrosion proof material, totally enclosed dust and vermin proof IP 54 enclose made of phosphate aluminum alloy with powder coated painting in aviation yellow, vertically adjustable legs, support legs and mounting plates are of special aluminum alloy and are totally frangible, Tool kit set, base plates for checking stick and all accessories i/c three sets of anodized aluminum reflectors, toughened front glass, clear lens, Red Dichroic filter, 6.6 amps secondary lead upto 03 m length, Air filter, lamp holder, four number 6.6 amp. 200 W Halogen lamp with life 1000 hrs, designed for wind load up to 200 kms/hrs etc. complete as required confirming to particular specification, frangibility, photometric requirement etc. as per ICAO/FAA/DGCA CAR standard with latest amendment etc. as required.	2.00	Set
25.00	Supply of FAA approved following type 5KV grade 50 HZ, series type Isolating transformer encapsulated in polyster resin finally moulded in neoprene rubber (or other compounds having equivalent mechanical and electrical properties) with primary and secondary connection as specified in particular specifications and conforming to ICAO/FAA/DGCA CAR requirements as required.		
25.10	6.6A/6.6A of 15 W	50.00	Each
25.20	6.6 A/6.6A of 65 W	212.00	Each
25.30	6.6 A/6.6A of 100 W (For inset fitting and sign boards)	13.00	Each
25.40	6.6 A/6.6A of 200 W (For PAPI Lights)	29.00	Each
26.00	Supply of FAA approved 5 KV, Cu grade plug and receptacle of type I class "B" connector suitable for field attachment with 5 KV grade PVC insulated PVC sheathed single core 16 Sq.mm copper conductor cable conforming to the relevant IS specification etc. conforming to ICAO/FAA/DGCA CAR requirements as required.	235.00	Each

45800.00	91600.00	661500.00	1323000.00	580000.00	1160000.00	505000.00	1010000.00
7800.00	390000.00	4130.00	206500.00	2700.00	135000.00	2525.00	126250.00
8900.00	1886800.00	4960.00	1051520.00	3500.00	742000.00	3232.00	685184.00
14500.00	188500.00	5430.00	70590.00	4500.00	58500.00	3535.00	45955.00
17400.00	504600.00	6500.00	188500.00	5500.00	159500.00	4040.00	117160.00
1450.00	340750.00	890.00	209150.00	800.00	188000.00	606.00	142410.00

91600.00	Ravji Manji Sorathia And Co
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126250.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
685184.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
45955.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
117160.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
142410.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED

27.00	Supply of FAA approved 5 KV, Cu grade plug and receptacle of type I class "B" connector suitable for field attachment with 5 KV grade PVC insulated PVC sheathed single core 6 Sq.mm copper conductor cable conforming to the relevant IS specification etc. conforming to ICAO/FAA/DGCA CAR requirements as required.	79.00	Each
28.00	Supply of calibration kit, clinometers, spirit level, checking stick & base plates etc. for PAPI Set complete etc. as required.	1.00	Set
29.00	Supply, installation, testing and commissioning of hinged type bottom tiltable LED illuminated wind directional indicator (WDI) confirming to ICAO Annex 14, volume I with upto date ammendments and suitable for operation on 230 V, 50 Hz, single phase AC supply and consists of following complete as required. (a) 5 mtr height FRP frangible lattice type pole/ mast. The frangibility shall confirm to ICAO Annex 14 & Aerodrome design manual part-6/ FAA/DGCA CAR with latest ammendments. The color of pole/ mast shall be preferably aviation yellow or red/white. (b) Wind sock assembly, Truncated fabric wind sock nominal length of 3600 mm and 900 mm dia. (at the larger end) complying ICAO standard including supply of all required materials with SS hardware, slip rings, drum, bracket for drum, bearing, carbon brush with holder etc. (c) Four way Aluminium casting junction box with arm for fixing external lights. Four Each, 20 W nominal capacity LED down light with drivers (having minimum IP65 protection). (d) One no. LED Aviation obstruction light meeting with photometric requirement,having aluminium cast body and red polycarbonate dome, as per requirements of ICAO/DGCA CAR. (e) Internal copper wiring, connection/ interconnection provision for remote control operation. (f) Providing and laying suitable dimension cement concrete foundation of grade 1:2:4 with anchor bolts for installation of WDI as per OEM recommentations and white circular paint around the WDI. (g) Minor civil works including concrete foundation,circular band.The wind direction indicator should be marked by a circular band 15 m in diameter and 1.2 m wide. The band should be centred about the wind direction indicator support and should be in a colour chosen to give adequate conspicuity, preferably white. (h) Any other component required for commissioning of WDI.	2.00	Job
30.00	Supply, Installation, testing, commissioning of illuminated H - indicator (LED Model) -Landing direction Indicator including providing control unit with suitable control transformer, relay, contactor, copper wiring upto junction box,Aluminum mounting legs with breakable coupling, CI base,SS bolts & nuts etc. with all accessories, assembling, concrete foundation, etc confirming to particular specifications,frangibility, photometric requirement and to meet latest ICAO/FAA/DGCA CAR specifications as required.	1.00	Job

12600.00	995400.00	890.00	70310.00	900.00	71100.00	606.00	47874.00
4700.00	4700.00	131890.00	131890.00	120000.00	120000.00	75750.00	75750.00
55500.00	111000.00	346200.00	692400.00	180000.00	360000.00	252500.00	505000.00
85000.00	85000.00	356090.00	356090.00	250000.00	250000.00	227250.00	227250.00

47874.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
4700.00	Ravji Manji Sorathia And Co
111000.00	Ravji Manji Sorathia And Co
85000.00	Ravji Manji Sorathia And Co

31.00	SITC of LED based Airport Rotating Beacon complying to FAA L-801A AC150 5345 12 (Current edition) and ICAO Annex 14 Vol. 1 Par. 5.3.3, shall indicate green & white flash alternatively, must appear at any point throughout 360 degree azimuth, minimum effective intensity of flash equivalent to 75000 cd at Elevation angle in degrees 3 to 7, meeting photometric requirement and suitable to operate on 220V, 50 Hz AC supply etc confirming to latest ICAO/DGCA CAR requirement as per specification complete as required. The job includes suitable concrete foundation/minor civil works etc. as required.	1.00	Job
32.00	Supply, installation, testing and commissioning of Crash siren suitable for operation at 240V, 50 Hz AC supply and audible range (radius) should be 3 Km etc. confirming to latest ICAO/DGCA CAR requirement as per specification complete as required. The job includes suitable concrete foundation/minor civil works etc. as required.	1.00	Job
33.00	SITC of CCRs SITC of FAA compliant indoor type microprocessor based, air cooled constant current regulator of Thyristor control electronic type MPCCR suitable for use on 240/415 VAC, 50 Hz input AC supply with following output at 6.6A with 5 steps variation of current output suitable for local and remote control operation with 24/48/60 VDC control supply complete with output current indicated on multifunction digital display, over current, over voltage, earth fault protection with earth leakage Mtrs. and Insulation resistance Mtrs., positive back indication equipment relay contactor etc. including supply & fixing MS stand of angle Iron having size 50 X 50 X 6 mm with two coat primer and one topcoat paint complete as per tender specification, site requirement and confirming to latest ICAO/DGCA CAR requirement as per specification complete as required. (Note: CCRs should be compatible with supplied ALCMS system) (Make- As per preferred make list of the Tender document)		
33.10	20 kW output 6.6 Amps (with taping at 15kW) along with one Set of spare cards	3.00	Each
33.20	7.5 kW output 6.6 Amps (with taping at 4kW) along with one set of spare cards	4.00	Each
33.30	4.0 kW output 6.6 Amps along with one set of spare cards	12.00	Each

19300.00	19300.00	744190.00	744190.00	580000.00	580000.00	404000.00	404000.00
16800.00	16800.00	49460.00	49460.00	300000.00	300000.00	30300.00	30300.00
25600.00	76800.00	472500.00	1417500.00	391000.00	1173000.00	378750.00	1136250.00
22500.00	90000.00	413440.00	1653760.00	280000.00	1120000.00	277750.00	1111000.00
18900.00	226800.00	195310.00	2343720.00	198000.00	2376000.00	176750.00	2121000.00

19300.00	Ravji Manji Sorathia And Co
16800.00	Ravji Manji Sorathia And Co

76800.00	Ravji Manji Sorathia And Co
90000.00	Ravji Manji Sorathia And Co
226800.00	Ravji Manji Sorathia And Co

34.00	Supply of Airfield Lighting Control and Monitoring System (ALCMS), type 'L 890 BB' to the requirements of FAA Advisory Circular No. AC 150/5345-56B (current edition) and additional circuits/ mechanisms/interfaces for power supply equipment, WDI and Landing - H etc. to make them compatible with ALCMS, data & power cabling, earthing etc., including all hardware and software, licenses & other items as required for successful operation of the system in line with the scope of work, details of equipments, equipments specification, performance criteria etc. including all related equipments and accessories. Two Vault processor will be provided both running in parallel for redundancy in operation. (Does not include the cost of communication cable between ATC & CCR Room.)	1.00	Job
35.00	Installation, Testing and Commissioning of Airfield Lighting Control and Monitoring System (ALCMS) including all interconnections, providing and installing required terminal boxes,lugs,connections,testing ALCMS with complete GLF system at satisfactory levels as per requirement of latest ICAO/DGCA CAR specifications etc. as per instructions of Engineer-Incharge as required.	1.00	Job
36.00	SH - III: Execution of GLF Electrical Works Installation, testing, commissioning and numbering of all-directional elevated high intensity/ medium intensity halogen/LED type runway edge/end light fitting, runway threshold light, turning pad light, Approach light (Inset and Elevated both) and taxi light with all accessories on the existing transformer housing box i/c. assembling of accessories, alignment,angle setting, leveling by Total Station/Theodolite etc. satisfying photometric requirements (4 Cs i.e. Configuration, Colour, Candelas and Coverage), installation of isolating transformer, crimping / jointing of plug & receptacles including filling the gap with water sealant material & applying PVC HT insulation tape etc. complete as required as per ICAO/DGCA CAR with upto date latest amendment etc. as required.	171.00	Each
37.00	Installation, testing and commissioning and numbering of inset type light fixtures including satisfying photometric requirements (4 Cs i.e. Configuration, Colour, Candelas and Coverage), core cutting with suitable dia and depth for inset fixtures and refilling the gaps with suitable chemical compound and materials after installing inset type fixture base including secondary lead connection with using of male/female connector of secondary leads etc. complete as required as per CAR with latest amendment.	35.00	Each

3560500.00	3560500.00	4134360.00	4134360.00	850000.00	850000.00	1212000.00	1212000.00
340900.00	340900.00	359690.00	359690.00	50000.00	50000.00	126250.00	126250.00
7600.00	1299600.00	430.00	73530.00	700.00	119700.00	202.00	34542.00
7600.00	266000.00	8270.00	289450.00	6000.00	210000.00	5050.00	176750.00

850000.00	NSC Projects Pvt. Ltd.
50000.00	NSC Projects Pvt. Ltd.
34542.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
176750.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED

38.00	Installation, testing and commissioning of PAPI System (04 units) along with all its accessories satisfying photometric requirements (4 Cs i.e. Configuration, Colour, Candelas and Coverage) including installation of bases for checking stick, taking level & setting right angles (minimum 03 times) by Total Station/Theodolite, excavation, fitting, fixing, cleaning, marking, earthing, connecting, providing pipe for secondary leads, painting and ground calibration,satisfying the air calibration of the system as per latest ICAO/DGCA CAR standards etc. complete as required. The job includes PAPI siting calculation,survey etc. and related approval as per requirement of ICAO/DGCA CAR.	2.00	Job
39.00	Supply of cast iron isolating Transformer housing box, water tight round type, metal container of outside size 330 mm dia, height 450 mm made of 10 mm thick cast iron moulding all round, except the top surface, which is 15 mm 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 hole as per site requirement at the periphery, centre 75 mm above bottom surface suitable to receive 50 mm dia HDPE/medium class G.I pipe and one no. of suitable hole to receive 15mm B class G.I pipe for loop earthing and alignment, leveling by Total Station/Theodolite as required. The box should have two SS earh bolts of M10x40 mm tapped inside near the hole (4" away from hole centre) and having drain hole at the bottom suitably tapped to receive 15mm dia GI pipe and having clear opening of 220 mm at the top surface and 06 Each. M10 tapped hole having centre to centre distance of 260mm alongwith bolts as required as per the drawings etc. as required.		
39.10	Single Hole CI Housing Box	10.00	Each
39.20	Double Hole CI Housing Box	45.00	Each
39.30	Triple Hole CI Housing Box	225.00	Each
39.40	Quadruple Hole CI Housing Box	2.00	Each

53800.00	107600.00	79930.00	159860.00	150000.00	300000.00	101000.00	202000.00
1500.00	15000.00	7090.00	70900.00	5800.00	58000.00	5050.00	50500.00
1750.00	78750.00	7210.00	324450.00	5800.00	261000.00	5151.00	231795.00
2050.00	461250.00	7560.00	1701000.00	5800.00	1305000.00	5252.00	1181700.00
2200.00	4400.00	7560.00	15120.00	5800.00	11600.00	5353.00	10706.00

107600.00	Ravji Manji Sorathia And Co
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15000.00	Ravji Manji Sorathia And Co
78750.00	Ravji Manji Sorathia And Co
461250.00	Ravji Manji Sorathia And Co
4400.00	Ravji Manji Sorathia And Co

40.00	Supply of cast iron Shallow housing box, water tight round type, metal container of outside size 330 mm dia, height 150 mm made of 10 mm thick cast iron moulding all round, except the top surface, which is 15 mm thick, cast iron moulding suitable to receive a light fitting base plate on the top having hole as per site requirement above bottom surface suitable to receive 50 mm dia HDPE/medium class G.I pipe and one no. of suitable hole to receive 15mm B class G.I pipe for loop earthing as required. The box should have two SS earh bolts of M10x40 mm tapped inside near the hole (4" away from hole centre) having clear opening of 220 mm at the top surface and 06 Each. M10 tapped hole having centre to centre distance of 260mm alongwith bolts as required.	244.00	Each
41.00	Installation of Shallow housing boxes with a base concrete of 1:3:6 of size 630x210x100 mm thick all round concrete of 1:2:4, 150mm thick, the top sloped with 1:2:4 cement concrete including excavation of Bituminous Road/hard rock and refilling (wherever the transformers boxes are to be installed in a line the same has to be aligned in such a way that the centre fall in a straight line) and alignment, leveling by Total Station/Theodolite etc. complete as required. (Rate quoted shall be inclusive of taking the profile levels of points of simple approach lighting system of 17 lights with reference to runway threshold using total station survey equipment)	240.00	Each
42.00	Installation of transformer housing boxes with a base concrete of 1:3:6 of size 630x630x100mm thick all round concrete of 1:2:4, 150mm thick top sloped with 1:2:4 cement concrete including providing and fixing 300 mm long 15mm dia "B" class GI pipe with check nut for drainage of water including excavation of earth and refilling and alignment, leveling by Total Station/Theodolite etc as required. (Rate quoted shall be inclusive of taking the profile levels of points of simple approach lighting system of 17 lights with reference to runway threshold using total station survey equipment)	262.00	Each
43.00	Supply and installation of different sizes(as per requirement) CI isolating transformer housing adopter / Collar box with 220 mm dia top & bottom opening, made of 8 mm thick (nominal) on all sides and bottom except top which is 10 mm thick (nominal) MS sheet, suitable for installation of elevated air-field light fittings with 6 Nos. M-10 tapped holes at top & bottom including M-10 bolts and nuts, washers and painting etc. complete as required.	33.00	Nos
44.00	Supply and laying of 50 mm dia, Medium Class GI pipe in soil including cutting of Bituminous Road/shoulder up to an average depth of 150 mm and required width, excavation of soil up to 750 mm (approx.) from pavement level, refilling the trench with excavated soil in bottom and filling pavement cutting with cement concrete of 1:2:4 (1cement:2sand:4graded stone 20 mm), finishing the surface etc as required i/c threading and alignment of pipe with transformer housing box, providing check nuts etc as required.	417.00	Mtr

850.00	207400.00	3280.00	800320.00	4200.00	1024800.00	2020.00	492880.00
4500.00	1080000.00	3170.00	760800.00	5000.00	1200000.00	1515.00	363600.00
6000.00	1572000.00	2830.00	741460.00	2500.00	655000.00	1818.00	476316.00
950.00	31350.00	6620.00	218460.00	4500.00	148500.00	1212.00	39996.00
610.00	254370.00	940.00	391980.00	650.00	271050.00	606.00	252702.00

207400.00	Ravji Manji Sorathia And Co
363600.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
476316.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
31350.00	Ravji Manji Sorathia And Co
252702.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED

45.00	Making field connections by crimping of 6/16 sq.mm. plug & receptable with existing 6/16 sq.mm. single core PVC insulated Copper Conductor cable including filling the gap with water sealent material applying PVC insulation tape and HT tape insulation etc complete as reqd.		
45.10	6 sqmm	114.00	Each
45.20	16 sqmm	148.00	Each
46.00	Supply & making straight through joint with heat shrinkable jointing kit of following size, single core copper conductor, 5 KV grade for Airfield lighting cable complete etc. as required.		
46.10	6 sq. mm.	10.00	Set
46.20	16 sq. mm.	10.00	Set
47.00	Supplying and making cable route marker with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) of size 50 cm X 40 cm at the bottom and 40 cm X 30 cm at the top with a thickness of 10cm including inscription duly engraved as required.	69.00	Each
48.00	Earthing with G.I. earth pipe 4.5 Mtrs. 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.	50.00	Set
49.00	Dismantling of existing Runway Edge light/Threshold/End light/Turnpad/Approach/PAPI fittings/Signages complete i/c isolating transformers, existing cable from G.I pipe of the fitting upto a length of 9 Mtrs., CI housing box, removing underground cable and other accessories and handing back to AAI at the completion of the project and safe shifting to location as decided by the EIC complete as required.	233.00	Job

460.00	52440.00	320.00	36480.00	300.00	34200.00	101.00	11514.00
460.00	68080.00	320.00	47360.00	300.00	44400.00	101.00	14948.00
650.00	6500.00	2910.00	29100.00	2000.00	20000.00	2020.00	20200.00
850.00	8500.00	2910.00	29100.00	2000.00	20000.00	2020.00	20200.00
4500.00	310500.00	570.00	39330.00	750.00	51750.00	404.00	27876.00
18500.00	925000.00	7250.00	362500.00	8000.00	400000.00	5050.00	252500.00
3500.00	815500.00	240.00	55920.00	1200.00	279600.00	101.00	23533.00

11514.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
14948.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED

6500.00	Ravji Manji Sorathia And Co
8500.00	Ravji Manji Sorathia And Co
27876.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
252500.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
23533.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED

50.00	Supply & fixing of precast RCC of 1:2:4 Round type cable manhole chamber of Dia.(I.D.) 1.0M and height 1.0M with all around (i/c base) wall thickness not less than 100mm. without top cover but top opening should have socket type arrangement suitable to receive MS iron sheet cover plate on the top and having four clear holes with two holes on each side surfaces at 180 degree from centre & 200 mm above bottom surface suitable to receive 50 mm dia (outer dia) HDPE pipe Including excavation in soft/ hard soil and consolidating with excavated earth all around the chamber by ramming and watering etc. as per tender specification and site requirement. (Note:- MS iron sheet Cover plate shall be provided seperately)	5.00	Job
51.00	Steel work welded in built up section / framed work in circular/ round shape including cutting, hoisting, fixing in position and applying two priming coat of approved steel primer and one topcoat synthetic enamel black paint using structural steel etc. (with 10 mm thick MS Sheet, 50 X 50 X 6mm angle welding for strength and 12mm rod for handle). (cover plate for item no. 36)	100.00	Kg
52.00	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required (Note: Vertical type MCB TPDB is normally used where 3 phase outlets are required.)		
52.10	4 way (4 + 12), Double door	1.00	Each
53.00	Supplying and fixing 63A rating, four pole, (three phase and neutral), 415 volts, residual current circuit breaker (RCCB), having a sensitivity current 100 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1.00	Each
54.00	Supplying and fixing 63A rating, four pole, 415 V, Miniature circuit Breaker(MCB) in the existing MCB DB complete with connections, testing and commissioning etc. as required.	1.00	Each
55.00	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, Miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.		
55.10	Single Pole	8.00	Each

25000.00	125000.00	18600.00	93000.00	55000.00	275000.00	15150.00	75750.00
150.00	15000.00	120.00	12000.00	150.00	15000.00	121.20	12120.00
2732.00	2732.00	15340.00	15340.00	3120.00	3120.00	3030.00	3030.00
3100.00	3100.00	6280.00	6280.00	6000.00	6000.00	3030.00	3030.00
860.00	860.00	3920.00	3920.00	6000.00	6000.00	1010.00	1010.00
130.00	1040.00	410.00	3280.00	500.00	4000.00	202.00	1616.00

75750.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
12000.00	DHANJIBHAI K PATEL

2732.00	Ravji Manji Sorathia And Co
3030.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
860.00	Ravji Manji Sorathia And Co

1040.00	Ravji Manji Sorathia And Co
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56.00	SH - IV: Supply and laying of cables Supply of FAA Approved 5 KV grade SINGLE CORE following size Airfield Lighting Cable with single core, stranded copper conductor, XLPE insulated, PE sheathed unshielded (unscreened) type airfield lighting cable for use on 5KV system (unearthed system), Unshielded, Anti-Termite & rodent treated UG Cable generally conforming to IS 7098 Part II with upto date amendment as required. (Make of cable shall be as per Preferred makes list of the Tender document)		
56.10	16 sq. mm.	26780.00	Mtrs.
56.20	6 sq. mm.	16875.00	Mtrs.
57.00	Supply of following sizes of XLPE insulated PVC sheathed, Aluminium conductor armoured power cable of 1.1 KV grade conforming to IS 7098 (Part 1/2) amended upto date. (Make of cable shall be as per Preferred makes list of the Tender document)		
57.10	3.5 X 185 sq.mm.	250.00	Mtrs.
57.20	3.5 X 120 sq.mm.	100.00	Mtrs.
57.30	4 x 50 sqmm	100.00	Mtrs.
57.40	2 X 35 sq.mm.	1980.00	Mtrs.
58.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size Upto 35 sq. mm in the existing masonry open duct as required.	160.00	Mtrs.
59.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of 4 core x 35 sq. mm in the existing RCC/HUME/DWC/METAL pipe as required.	1272.00	Mtrs.
60.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size above 35 sq. mm and upto 95 sq. mm (clamped with 25x3mm MS flat clamp) on wall/ surface as required.	30.00	Mtrs.
61.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp) on cable tray as required.	120.00	Mtrs.

157.00	4204460.00	260.00	6962800.00	210.00	5623800.00	217.15	5815277.00
62.00	1046250.00	110.00	1856250.00	105.00	1771875.00	126.25	2130468.75
1050.00	262500.00	2360.00	590000.00	1029.00	257250.00	1010.00	252500.00
623.00	62300.00	1650.00	165000.00	750.00	75000.00	707.00	70700.00
360.00	36000.00	830.00	83000.00	366.00	36600.00	404.00	40400.00
219.00	433620.00	470.00	930600.00	161.00	318780.00	171.70	339966.00
162.00	25920.00	20.00	3200.00	25.00	4000.00	20.20	3232.00
310.00	394320.00	40.00	50880.00	25.00	31800.00	20.20	25694.40
210.00	6300.00	120.00	3600.00	50.00	1500.00	101.00	3030.00
450.00	54000.00	110.00	13200.00	110.00	13200.00	121.20	14544.00

4204460.00	Ravji Manji Sorathia And Co
1046250.00	Ravji Manji Sorathia And Co

252500.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
62300.00	Ravji Manji Sorathia And Co
36000.00	Ravji Manji Sorathia And Co
318780.00	NSC Projects Pvt. Ltd.
3200.00	DHANJIBHAI K PATEL
25694.40	PRL PROJECTS AND INFRASTRUCTURE LIMITED
1500.00	NSC Projects Pvt. Ltd.
13200.00	DHANJIBHAI K PATEL, NSC Projects Pvt. Ltd.

62.00	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size above 95 sq. mm and upto 185 sq. mm (clamped with 25/40x3mm MS flat clamp) on wall/ surface as required.	40.00	Mtrs.
63.00	Supply of 2 x 4 sq.mm size secondary lead made out of multi stranded copper conductor, EPR insulated PCP sheathed, treated 600V grade cable as specified in particular specification and as required.	1000.00	Mtrs.
64.00	Laying of 2 X 4 Sq.mm 1.1 KV grade flexible secondary lead Airfield lighting cable in the existing RCC/HUME/METAL/HDPE pipe as required.	672.00	Mtrs.
65.00	Providing and Fixing of top cover plate made with 10mm thick MS Sheet suitable for existing 330mm dia CI transformer housing box with 6 Nos. Stainless steel M-10 bolts, spring and plain washers including providing and fixing of rubber gasket, painting etc. complete as required.	262.00	Each
66.00	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc., complete as required.		
66.10	63 mm dia (OD-63 mm & ID-50 mm nominal)	13764.00	Mtrs.
66.20	120 mm dia (OD-120 mm & ID-103 mm nominal)	576.00	Mtrs.
67.00	Supplying and laying of following size additional DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. direct in ground (75 cm below ground level) including excavation and refilling the trench etc. complete as required.		
67.10	63 mm dia (OD-63 mm & ID-50 mm nominal)	11723.00	Mtrs.
68.00	Laying of one number XLPE insulated & PE sheathed unarmoured copper conductor Runway primary/ secondary cable of grade 5 KV of size not exceeding 16 Sq.mm in the existing RCC/HUME/STONEWARE / METAL/ HDPE pipe etc. as required.	34444.00	Mtrs.
69.00	Laying of one number XLPE insulated and PE sheathed, unarmoured copper conductor Airfield lighting cable of 5 KV grade of size not exceeding 16 sqmm in the existing cable duct / masonry trench etc. as required.	160.00	Mtrs.
70.00	Providing and laying earth connection from earth electrode with 6 SWG dia G.I. Wire at 0.50 metre below ground level in 15 mm dia G.I. pipe from earth electrode including connection with G.I. thimble excavation and re-filling as required.	1030.00	Mtrs.

210.00	8400.00	150.00	6000.00	130.00	5200.00	126.25	5050.00
112.00	112000.00	240.00	240000.00	150.00	150000.00	171.70	171700.00
162.00	108864.00	30.00	20160.00	15.00	10080.00	20.20	13574.40
610.00	159820.00	3470.00	909140.00	1200.00	314400.00	909.00	238158.00
85.00	1169940.00	270.00	3716280.00	130.00	1789320.00	151.50	2085246.00
159.00	91584.00	400.00	230400.00	180.00	103680.00	202.00	116352.00
85.00	996455.00	130.00	1523990.00	70.00	820610.00	151.50	1776034.50
210.00	7233240.00	30.00	1033320.00	15.00	516660.00	20.20	695768.80
162.00	25920.00	20.00	3200.00	15.00	2400.00	20.20	3232.00
5600.00	5768000.00	230.00	236900.00	210.00	216300.00	151.50	156045.00

5050.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
112000.00	Ravji Manji Sorathia And Co
10080.00	NSC Projects Pvt. Ltd.
159820.00	Ravji Manji Sorathia And Co

1169940.00	Ravji Manji Sorathia And Co
91584.00	Ravji Manji Sorathia And Co

820610.00	NSC Projects Pvt. Ltd.
516660.00	NSC Projects Pvt. Ltd.
2400.00	NSC Projects Pvt. Ltd.
156045.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED

71.00	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing cable as required	34444.00	Mtrs.
72.00	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.		
72.10	3.5 X 185 sq.mm.	14.00	Set
72.20	3.5 X 120 sq.mm.	6.00	Set
72.30	4 x 50 sqmm	2.00	Set
72.40	2 X 35 sq.mm.	32.00	Set
73.00	Dismantling/Disconnecting, safe shifting of following capacity, Indoor type air cooled constant current regulator (CCR) complete etc. as per site requirement along with transportation from power house to store room near civil store in city side area at Kandla airport as per the instruction of Engineer Incharge.		
73.10	20.0 kW	3.00	Each
73.20	7.5 kW	3.00	Each
73.30	4 kW	4.00	Each

22.00	757768.00	70.00	2411080.00	30.00	1033320.00	20.20	695768.80
318.00	4452.00	490.00	6860.00	1200.00	16800.00	1010.00	14140.00
231.00	1386.00	320.00	1920.00	1000.00	6000.00	808.00	4848.00
99.00	198.00	220.00	440.00	800.00	1600.00	505.00	1010.00
99.00	3168.00	210.00	6720.00	600.00	19200.00	404.00	12928.00
5600.00	16800.00	5330.00	15990.00	3000.00	9000.00	5050.00	15150.00
5600.00	16800.00	5330.00	15990.00	3000.00	9000.00	4040.00	12120.00
5600.00	22400.00	5330.00	21320.00	2000.00	8000.00	3030.00	12120.00

695768.80	PRL PROJECTS AND INFRASTRUCTURE LIMITED
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4452.00	Ravji Manji Sorathia And Co
1386.00	Ravji Manji Sorathia And Co
198.00	Ravji Manji Sorathia And Co
3168.00	Ravji Manji Sorathia And Co

9000.00	NSC Projects Pvt. Ltd.
9000.00	NSC Projects Pvt. Ltd.
8000.00	NSC Projects Pvt. Ltd.

74.00	Design, Supply, installation, testing and commissioning of LED guidance sign boards of various sizes (as per annexure) made of anodised 2 mm thick aluminium frame with suitable angle support with 1.5 mm thick aluminium back cover and 4 mm thick poly carbonate sheet with glare free face, the letter and symbols should be screen printed with required colouring, suitable arrangement shall be made to function on both main and standby (runway/taxiway) circuits with internal control circuits. Suitable arrangements shall be made for water tightness and locking arrangement, sign boards shall be uniformly internally illuminated with required number of LED lights to achieve required illumination level, operated on input source of 2.5 A to 6.6 A constant current without any flickering, including its supporting legs, breakable coupling and base frame and foundation etc. conforming to frangibility and photometric requirements complete as required as per latest ICAO/FAA/DGCA CAR regulations etc. as required. The manufacturer should have valid type test certificate for frangibility and photometric certificate(for 4Cs) complying to latest ICAO/FAA/DGCA CAR requirements.(legends as approved by Engineer-in-Charge).	22.00	sq.m
75.00	Supplying and installing of 300 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.	21.00	Mtrs.
76.00	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.	21.00	Mtrs.
77.00	Dismantling of existing H-Indicator and other accessories and handing back to AAI at the completion of the project and safe shifting to location as decided by the Engineer Incharge complete as required.	1.00	Job
78.00	Dismantling of existing Wind direction indicator and other accessories and handing back to AAI at the completion of the project and safe shifting to location as decided by the Engineer Incharge complete as required.	1.00	Job
79.00	Dismantling of existing Aerodrome Rotating Beacon and other accessories and handing back to AAI at the completion of the project and safe shifting to location as decided by the Engineer Incharge complete as required.	1.00	Job

4550.00	100100.00	59320.00	1305040.00	52000.00	1144000.00	40400.00	888800.00
725.00	15225.00	770.00	16170.00	650.00	13650.00	1010.00	21210.00
495.00	10395.00	590.00	12390.00	475.00	9975.00	707.00	14847.00
15600.00	15600.00	3120.00	3120.00	10000.00	10000.00	5050.00	5050.00
15600.00	15600.00	3120.00	3120.00	7000.00	7000.00	5050.00	5050.00
15600.00	15600.00	2160.00	2160.00	5000.00	5000.00	1010.00	1010.00

100100.00	Ravji Manji Sorathia And Co
13650.00	NSC Projects Pvt. Ltd.
9975.00	NSC Projects Pvt. Ltd.
3120.00	DHANJIBHAI K PATEL
3120.00	DHANJIBHAI K PATEL
1010.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED

80.00	Photometric testing of Airport Ground Lighting Fixtures: Carrying out/making in-field measurement of intensity, beam spread, orientation, chromaticity, luminous factor, field alignment setting for elevated/inset light runway edge, approach, runway end, runway threshold lights and PAPI air field ground lights by using vehicle mounted mobile testing equipment system, frame reader, submission of test reports etc as per requirement of ICAO/DGCA Civil Aviation Requirements section 4, Aerodrome standards and licensing, Series-B, Part-I etc complete as required. (Number of fittings to be tested shall be approximately ten per cent less than number of supply quantity of AFL fixtures mentioned in this schedule and two nos PAPI units etc. as required). In addition, the individual testing also to be done through frame reader for runway edge, end, threshold light, approach light, runway guard light and PAPI for 4Cs complying to ICAO/DGCA CAR requirement and 02 nos hard copies and 01 nos soft copy to be submitted.	1.00	Job
81.00	Supply of additional Breakable couplings suitable for approach fittings as required.	49.00	Each
82.00	Supply, fixing of 50mm OD aluminum pipe dual powder coated in aviation Colour of various sizes complying with frangibility requirement for installation of Approach Light Fitting as per relevant Civil Aviation Requirements of DGCA.	130.00	Mtrs.
83.00	Providing and Laying of 25 mm 'B' class GI Pipe including excavation of hard / soft soil complete by kerf cutting machine with threading and alignment of pipe with transformer housing box and bottom assembly of inset light fitting, providing checknuts including coupling etc. as required.	255.00	Mtrs.
84.00	Supply and laying of CAT-6 UTP cable.	200.00	Mtr
85.00	Supply and Laying in existing pipe of Single mode, 6 core armoured OFC cable complete as per the IS standard complete as required.	2000.00	Mtr.
86.00	Supply of control cable of size 2.5 sqmm x 12 cores, 1.1kV annealed electrolytic copper conductor, armoured, PVC insulated, PVC sheathed as per latest IS upto date.	500.00	Mtrs.
87.00	Laying of control cable of size 2.5 sqmm x 12 cores, 1.1kV annealed electrolytic copper conductor, armoured, PVC insulated, PVC sheathed in the existing RCC/HUME/METAL/HDPE pipe as required.	700.00	Mtrs.

580600.00	580600.00	496120.00	496120.00	500000.00	500000.00	202000.00	202000.00
2460.00	120540.00	1130.00	55370.00	1000.00	49000.00	101.00	4949.00
310.00	40300.00	240.00	31200.00	2000.00	260000.00	1212.00	157560.00
275.00	70125.00	1220.00	311100.00	700.00	178500.00	404.00	103020.00
160.00	32000.00	400.00	80000.00	120.00	24000.00	30.30	6060.00
170.00	340000.00	90.00	180000.00	90.00	180000.00	60.60	121200.00
162.00	81000.00	1890.00	945000.00	450.00	225000.00	580.75	290375.00
320.00	224000.00	110.00	77000.00	20.00	14000.00	20.20	14140.00

202000.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
4949.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
31200.00	DHANJIBHAI K PATEL
70125.00	Ravji Manji Sorathia And Co
6060.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
121200.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
81000.00	Ravji Manji Sorathia And Co
14000.00	NSC Projects Pvt. Ltd.

88.00	Laying of control cable of size 2.5 sqmm x 12 cores, 1.1kV annealed electrolytic copper conductor, armoured, PVC insulated, PVC sheathed in the existing cable duct / masonry trench etc. as required.	10.00	Mtrs.
89.00	Laying of control cable of size 2.5 sqmm x 12 cores, 1.1kV annealed electrolytic copper conductor, armoured, PVC insulated, PVC sheathed on wall/surface with suitable MS Clamp etc. as required.	20.00	Mtrs.
90.00	Disconnecting, removing and uninstalling of existing cable upto 3.5C x 185 sqmm Aluminium armoured and other accessories and handing back to AAI at the completion of the project and safe shifting to location as decided by the EIC complete as required.	40.00	Mtrs.
91.00	Dismantling of existing PAPI Light and other accessories and handing back to AAI at the completion of the project and safe shifting to location as decided by the EIC complete as required.	2.00	Job
92.00	Dismantling of existing LED guidance sign boards of various sizes and other accessories and handing back to AAI at the completion of the project and safe shifting to location as decided by the EIC complete as required.	10.00	Each
93.00	Dismantling/Disconnection of existing Remote control desk unit (RCDU) and other accessories installed at ATC tower and handing back to AAI at the completion of the project and safe shifting to location as decided by the Engineer Incharge complete as required.	1.00	Job
94.00	SH - V: SITC Split AC Supply of 2 TR, Inverter type Split Air-conditioner 5 star rated, High wall mounting type consisting of non-ductable single type room unit (Evaporator unit) with cordless remote control and one no. outdoor condensing unit conforming to IS 1391 (part 2) with up to date amendments suitable for operation on 230 V, 50 HZ AC supply capable of performing (a) Cooling (b) Dehumidifying (c) Air-Circulating (d) Filtering and i/c standard dimensions refrigerant piping-3 mtrs. and power cable 4 C x 2.5 Sq. mm - 3 mtrs etc. complete as required as per technical specifications. Evaporator and condensing coils shall be made up of copper (Make:Hitachi-RSB524HBEA or equivalent as per approved list)	6.00	Each
95.00	Installation, testing and commissioning of 2 TR split AC units including fixing the condensor unit with suitable dimensions of angle iron stand duly painted and fixing of Evaporator unit, first charge of refrigerant etc. complete as required as per site conditions and technical specifications for the split AC units. (Wiring b/w indoor & Outdoor units with 4C x 2.5 Sq. mm copper cable)	6.00	Job
96.00	Providing & fixing extra refrigerant copper piping with Nitrile rubber insulation and copper cabling between indoor and outdoor units etc. as required.	20.00	Mtrs.

210.00	2100.00	100.00	1000.00	20.00	200.00	20.20	202.00
162.00	3240.00	140.00	2800.00	40.00	800.00	101.00	2020.00
160.00	6400.00	40.00	1600.00	200.00	8000.00	50.50	2020.00
165.00	330.00	3120.00	6240.00	10000.00	20000.00	5050.00	10100.00
4500.00	45000.00	2160.00	21600.00	2000.00	20000.00	1010.00	10100.00
20000.00	20000.00	12400.00	12400.00	50000.00	50000.00	2020.00	2020.00
75800.00	454800.00	57120.00	342720.00	80000.00	480000.00	50500.00	303000.00
4500.00	27000.00	3040.00	18240.00	10000.00	60000.00	5050.00	30300.00
210.00	4200.00	1250.00	25000.00	1000.00	20000.00	2020.00	40400.00

200.00	NSC Projects Pvt. Ltd.
800.00	NSC Projects Pvt. Ltd.
1600.00	DHANJIBHAI K PATEL
330.00	Ravji Manji Sorathia And Co
10100.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
2020.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
303000.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED
18240.00	DHANJIBHAI K PATEL
4200.00	Ravji Manji Sorathia And Co

97.00	Providing and fixing of 25mm inner dia CPVC drain pipe for drain water for AC unit to nearest drain point including CPVC Elbow, CPVC "T", CPVC Coupler, Reducer, solvent, clamp, net packing at end etc. as per site requirement.	30.00	Mtrs.
98.00	SITC of Auto change over timer for serially operation of main and standby AC, suitable for operation on 230V, 50 Hz single phase AC supply, complete with all accessories and as per site requirement.	3.00	Each
99.00	Supply and fixing of 20 A Modular Socket with MCB, 3 pin top & Steel enclosure for Split AC unit.	6.00	Each
100.00	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required. (Group C)		
100.10	(i) 2 X 4 sq. mm + 1 X 4 sq. mm earth wire	120.00	Mtrs.
101.00	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of size upto 50sqmm and making hole in wall and also inserting G.I. pipe including finishing of wall properly with cement plaster, Putty, Color etc as per site requirement.	10.00	Each
102.00	SH - VI: SITC UPS Supply, Installation, Testing & Commissioning following capacity 3 phase input, 3 phase output IGBT based, modular type, true online double conversion type with isolation transformer, harmonic filter etc 2X160 KVA UPS system with provision to run in load sharing mode suitable to drive constant current regulators (CCR) with 100% unbalanced load at output at full load condition with standard features like 100% rated static bypass, maintenance bypass facilities active input power factor correction, phase sequence corrector, pure sine wave output, compatibility of generator supply, user friendly LCD display and battery management features integrated with main UPS controller, operating condition 415V +15%, -20%, 3 phase, 50Hz $\pm 5\%$, IP20 capable of running at 100% 2 phase/single phase unbalance load with 3 phase of output and as per the enclosed technical specification. The job also includes. (a) Supply, Installation, Testing & Commissioning suitable capacity SMF batteries to give a backup time of minimum 30 minutes at full load with each UPS System along with suitable rating switch gears, interconnection between battery bank and UPS, battery rack etc as required. (b) Supply, Installation, Testing and Commissioning of necessary switchgears, cables etc for synchronisation of the UPS on load sharing mode.		
102.10	2 x 160KVA UPS	1.00	Job

[illegible]

2100.00	NSC Projects Pvt. Ltd.
4350.00	Ravji Manji Sorathia And Co
4002.00	Ravji Manji Sorathia And Co

19560.00	Ravji Manji Sorathia And Co
303.00	PRL PROJECTS AND INFRASTRUCURE LIMITED

4200000.00	NSC Projects Pvt. Ltd.
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103.00	SH - VII: SITC PANELS CCR PANEL Fabrication, assembly, wiring and supply, erection , testing and commissioning of cubicle type compartmentalised as per Form 4B, free standing, dust and vermin proof (Minimum IP 42 ingress protection) main switchboards conforming to IEC-60439 for incomer up to 250 amps and IEC-61439 for incomer above 250 amps suitable for use at 433 volts, 3 phase 4 wire 50 Hertz system suitable for a symmetrical fault level of kA (as specified with the respective panel item) at 433 volts, fabricated from 2 mm outer thick CRCA sheets with hinged, gasketted (metal based neoprene) and lockable doors having structural reinforcement with suitable angle/channel/T/flat sections including 3 mm thick gland plates on top and bottom including lifting hooks and earth bus of required size with 2 nos. earthing terminals, coating, paint finish of approved shade over metal surface cleaned and treated with nine tank process complete with interconnections etc. as per specifications, as required and as below. The incoming and outgoing feeders shall be accommodated in a modular arrangement, detachable gland plates, adequate size cable alley, Sign writing, Painting, Earthing,Numbering, Danger plate, including PVC insulated copper FRLSH wires of minimum1.5sq.mm(for metering)& 2.5sq.mm (protection)for CT's etc. complete with metering & protection as required as per specifications and drawing attached. ALL Digital electronic MFM and KWH meter shall be provided with RS 485 port/RJ-45 communication port compatible for BMS & Three phase indicating lamps protected by 2 amps SP MCBs. All MCCB's shall be suitable for (Icu= Ics= 100% at 415/433Volts, --kA for 1 sec as specified in the item,.).Wiring with space heater, thermostat and control MCB's shall be provided for all vertical sections of main LT panel, All breakers shall be interlocked electricallay and mechanically . All incoming as well as outgoing feeders shall have pad locking facility, Suitable danger board shall be provided, All MCCB's shall be provided with front rotary handle and operating mechanism for door interlock with Pad locking of MCCB's handles in "OFF" Position. The Panel fabricator shall provide Al. Bus-bars link	1.00	Job
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1560800.00	1560800.00	1306050.00	1306050.00	700000.00	700000.00	1111000.00	1111000.00
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700000.00	NSC Projects Pvt. Ltd.
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103.10	a. SITC of Dust & vermin proof Indoor type double door Floor Mounted panel of suitable size on angel iron frame/ flate iron frame work and to withstand rough usage. The panel shall be fabricated as per IEC 61439 with 14 SWG MS sheet complete with all accessories suitable angle/ channels frame, gland plates, painting etc. including supplying and fixing of following accessories and making inter connection, earth connection, neutral link, etc. as per the drawing and site requirement. b. Incomers: i) 2 Nos. 400 Amps. 4P MCCB 50 KA, Icu=Ics with thermo magnetic/microprocessor based release having O/L, S/C, earth fault protection & necessary interlocking arrangement between two each, incomers with spreaders and extended rotary handle equipped with the following: a) 3 Each. Phase indication LED lamps with 2Amp back up MCB, breaker 'ON/OFF/TRIP' indicating light with 2A MCB, 02 nos. Digital Multifunction Meters, accuracy class 0.5s, with LED screen as per specs. with 3 Each. cast resin current transformers of dual core CT's of suitable Amp. ratio, 15 VA Class 1.0 Metering, protection MCBs as required accessories to complete the system. c. Bus Coupler : i) 1 No. 400 Amps. 4P MCCB 50 kA, Icu=Ics with Thermal Magnetic/microprocessor based release having O/L ,S/C protection. d. Bus Bar : 2 section of Electrolytic high conductivity Aluminium extensible three phase and neutral busbars rated at 500 amps & auxiliary Bus Bars of suitable capacity insulated with heat shrinkable coloured PVC sleeves & suitable to withstand symmetrical fault level of 16 kA at 433 volts, i/c DMC/SMC bus bars supports at required intervals complete for cross section, size supports & their spacing etc. e. Outgoings: i) 4 Nos. - Thermomagnetic/Microprocessor based 100 Amp. 4P MCCB ii) 10 Nos. - Thermomagnetic/Microprocessor based 63 Amp. 4P MCCB		
104.00	SITC of Dust & vermin proof Indoor type double door Floor Mounted panel of suitable size on angel iron frame/ flate iron frame work and to withstand rough usage. The panel shall be fabricated as per IEC 61439 with 14 SWG MS sheet complete with all accessories suitable angle/ channels frame, gland plates, painting etc. including supplying and fixing of following accessories and making inter connection, earth connection, neutral link, etc. as per the drawing and site requirement.	1.00	Job

878000.00	878000.00	355330.00	355330.00	200000.00	200000.00	479750.00	479750.00

200000.00	NSC Projects Pvt. Ltd.
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104.10	[UPS Incomer Panel] Incomer: - 400A, MCCB, 4P, 35-37 KA (Icu= 100% Ics) with extended rotary handle and spreaders - 02 No. >Multi function meter (Shows Voltage, Current & Frequency) with 3 line LCD Display of size 96 x 96 mm. - 02 No. >Indication Lamp R, Y & B (LED Type) -01 set with 2Amp back up MCB, breaker 'ON/OFF/TRIP' indicating light with 2A MCB, > 3 Each. cast resin current transformers of dual core CT's of suitable Amp. ratio Outgoing: - 400A, MCCB, 4P, 35-37 KA (Icu= 100% Ics) with extended rotary handle and spreaders - 03 Nos. >Indication Lamp R & G (LED type) - 02 Set >Multi function meter (Shows Voltage, Current & Frequency) with 3 line LCD Display of size 96 x 96 mm. - 02 Nos. >63A FP MCB - 4 nos., 32A DP MCB - .2 nos. >Bus coupler: 1 No.400 Amps. 4P MCCB 50 kA, Icu=Ics with Thermal Magnetic based release having O/L, S/C protection with electrical and mechanical interlock. Other :- 500A Aluminium busbar, 3 Phase & Neutral >Necessary CT & Control wiring arrangement >Power terminal and other accessories, Three Phase Surge Protection Device (SPD) having nominal discharge current (L-N/N-PE) =25 /100 kA (8/20 us) Lightning impulse current (L1 + L2 + L3 + N -PE=100kA (10/350 us) & (L-N / N-PE = 25/100 kA) with voltage protection level <=1.5 kV (L-N/N-PE) including all accessories for installing on the mains power entry point at the busbar shall be of modular type. [Make:- DEHN Model No. DV M TT 255 FM (951 315) or equivalent approved make] - 01 No. Note: The panel make shall be from the Preferred make list of the Tender document.
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105.00	SITC of Dust & vermin proof Indoor type double door Floor Mounted panel of suitable size on angel iron frame/ flate iron frame work and to withstand rough usage. The panel shall be fabricated as per IEC 61439 with 14 SWG MS sheet complete with all accessories suitable angle/ channels frame, gland plates, painting etc. including supplying and fixing of following accessories and making inter connection, earth connection, neutral link, etc. as per the drawing and site requirement. [UPS Outgoing Panel]Incomer : >400A, MCCB, 4P, 35-37 KA (Icu= 100% Ics) with extended rotary handle and spreaders - 02 Nos. >Multi function meter (Shows Voltage, Current & Frequency) with 3 line LCD Display of size 96 x 96 mm. - 02 Nos. >Indication Lamp R, Y & B (LED Type) -02 set with 2Amp back up MCB, breaker 'ON/OFF/TRIP' indicating light with 2A MCB, Outgoing : >400A, MCCB, 4P, 35 KA (Icu= 100% Ics) with extended rotary handle - 02 No. >Indication Lamp R & G (LED type) - 01 Set >Multi function meter (Shows Voltage, Current & Frequency) with 3 line LCD Display of size 96 x 96 mm. - 01 No. Other : > Bus coupler: 1 No.400 Amps. 4P MCCB 50 kA, Icu=Ics with Thermal Magnetic based release having O/L, S/C protection with electrical and mechanical interlock. >500A Aluminium busbar, 3 Phase & Neutral >Necessary CT & Control wiring arrangement >Power terminal and other accessories Note: The panel make shall be from the Preferred make list of the Tender document.	1.00	Job
106.00	Supplying and fixing of flame retardant electrical insulation mat having no adverse effect of mineral oil, high insulation resistance and water proof of nominal size: 2.5mm +/- 10% thick and 1000mm +/-20mm wide Antistatic Electric Insulated Synthetic Mat confirming to IS: 15652: 2006 with upto date amendmets suitable for 11 KV installation alongwith adhesive/resin, sealing material and similar type of taping on sealing at all joints and corners as per recommendations etc as required. The Mat shall be ISI marked. Its leakage current at 11 KV shall not be more then 10 mA. The mat shall be welded by hot gas lending with filler martial method by making V grove cut at joints with suitable welding cord of insulation material of matching colour to provide a seamless jointed surface as per IS:8002	60.00	Sqmtr

878000.00	878000.00	320020.00	320020.00	99998.00	99998.00	505000.00	505000.00
8650.00	519000.00	2700.00	162000.00	1400.00	84000.00	1111.00	66660.00

99998.00	NSC Projects Pvt. Ltd.
66660.00	PRL PROJECTS AND INFRASTRUCTURE LIMITED

107.00	Supplying and fixing of nominal 2.0 mm thick Electric Insulated Synthetic Mat of conforming to IS:15652:2006 and meeting the requirements of IS 5216, IS 8437, IEC-479 Pub-1, alongwith suitable adhesive /chemibound, pu-resin, water proofing compound and sealing material as per in service recommendations of Annexure-'A' 'Clause C' of IS:15652 and Suitable for Class - A upto 3.3 KV AC & 240 V DC without HT Trolley movement.	15.00	Sqmtr
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2560.00	38400.00	225000.00	3375000.00	1400.00	21000.00	1010.00	15150.00
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15150.00	PRL PROJECTS AND INFRASTRUC TURE LIMITED
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Total in Figures

214217762.00

235910890.00

178990737

164995011.7

Lowest Amount Quoted BY: PRL PROJECTS AND INFRASTRUCTURE LIMITED(164995011.65)