

Government eProcurement System Created By: Ajay Saxena Created Date/Time: 26-Apr-2023 03:46 PM Tender Title: RE CARPETING OF RUNWAY TAXIWAYS GRADING OF OPERATIONAL AREA DEVELOPMENT OF DRAINAGE S ASSOCIATED WORKS CIVIL AND ELECTRICAL AT MBB AIRPORT AGARTALA Tender ID: 2023_AAI_147392_1
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Tender Inviting Authority: Airports Authority of India

Name of Work: Re-carpeting of Runway, taxiways, Grading of Operational Area and associated works (Civil & Electrical) at M

Contract No: 2023_AAI_147392_1

SCHEDULE OF WORK / ITEM(S)					
Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	SHIVA BUILD LTD(C 07AAECS2 Rate
1.00	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	2510.00	Cum		97.00
2.00	Supply and filling selected earth obtained from approved external sources (excluding rock) including royalty in layers not exceeding 20 cm in depth breaking clods, watering and consolidation of each layer by roller and rolling every third and top most layer with power roller of minimum 8 tonnes and dressing up in embankments or roads plinth filling or filling of ground depressions including of all leads and lifts to meet requirement of table 300 - 2 of MORTH (refer MORTH specification section - 305)	35165.00	Cum		196.00
3.00	Excavation of soil using hydraulic excavator of 0.90cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and disposed of the excavated earth, transporting to the embankment location including loading and unloading with all lifts and leads within airport premises excluding the survey work as per direction of Engineer-in-charge (ref. MORTH Specification section-301)	458835.00	Cum		97.00
4.00	Construction of embankment with available excavated earth deposited at site from other locations with spreading, neatly leveling/ grading and compacting layer by layer to achieve the desired levels and compactions to meet the requirement of table 300-2 of MORTH specification etc. complete in all respects excluding the survey work as per direction of Engineer-in-Charge.(ref. MORTH Specification section-305)	455515.00	Cum		97.00

5.00	Carrying out Topographical and contour surveying, traversing , contouring & coordinating all permanent and semi-permanent feature by Total station survey instrument and Auto Level as required including mobilization and demobilization of the survey team after completion of survey work at Airport premises of operational area and newly acquired in different plots as per direction of the Engineer in-charge. The following steps shall be taken up: i) Carrying out site survey and taking reduced level 3m x 3m grid. ii) Submission of sets of contour map in suitable scale and size with marking import ants (3 (three) nos. coloured hard copies & 1(one)soft copy. iii) Submission of level sheet in Excel format (Hard copy & soft copy) with quantity calculation for cutting & filling earth as per the gradient which shall be decided by the Engineer in charge. iv) The requisite all survey works for execution of earthwork, quantity work out for Running/Final Bill shall also be included in the scope of survey work.	480.00	Acres	5200.00
6.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering (a) All work up to plinth level (i) 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	1090.00	Cum	7200.00
7.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering (a) All work up to plinth level (i) 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 40 mm nominal size)	105.00	Cum	7900.00
8.00	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced Cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. (a) All works upto plinth level (i) Concrete of M25 grade with minimum cement content of 330 kg /cum	3350.00	Cum	8890.00
9.00	Add for using extra cement in the items of design mix over and above the specified cement content therein.	2033.00	Quintal	970.00
10.00	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete.	3485.00	Sqm	279.00
11.00	Centering and shuttering including strutting, propping etc. and removal of form for : Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	30505.00	Sqm	475.00
12.00	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform	2260.00	Sqm	520.00

13.00	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. (a) Thermo-Mechanically Treated bars.	468400.00	Kg	88.00
14.00	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: (a) Cement mortar 1:4 (1 cement : 4 sand)	14.00	Cum	8800.00
15.00	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	160280.00	Kg	169.00
16.00	Welded steel wire fabric of required width having rectangular mesh painted with two or more coats of enamel paint of approved shade over a coat of primer (Priming & painted to be paid seperately)	74400.00	Kg	142.00
17.00	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : (a) Two or more coats on new work	9995.00	Sqm	160.00
18.00	Providing and laying in position ready mixed or site batched design mix cement concrete for reinforced Cement concrete work; using coarse aggregate and fine aggregate derived from natural sources, Portland Pozzolana / Ordinary Portland /Portland Slag cement, admixtures in recommended proportions as per IS: 9103 to accelerate / retard setting of concrete, to improve durability and workability without impairing strength; including pumping of concrete to site of laying, curing, carriage for all leads; but excluding the cost of centering, shuttering, finishing and reinforcement as per direction of the engineer-in-charge; for the following grades of concrete. Note: Extra cement up to 10% of the minimum specified cement content in design mix shall be payable separately. In case the cement content in design mix is more than 110% of the specified minimum cement content, the contractor shall have discretion to either re-design the mix or bear the cost of extra cement. (a) All works upto plinth level (i) Concrete of M35 grade with minimum cement content of 370 kg /cum	2505.00	Cum	9520.00
19.00	Providing and submitting the preliminary drawings, carrying out structural design, preparation of detailed structural drawing and developing working architectural drawing. This item also includes carrying out necessary soil investigation works. In which the design to be done for the proposed work. The structural design and drawings shall be got vetted by IIT/NIT/Govt. Engineering colleges. The design and drawing so submitted shall be got approved by Engineer in charge before execution of work. After approval of structural design and drawing by AAI 5 (Five) set of "Good for Construction" design and drawing showing all relevant details shall be submitted duly signed by the consultant. Consultant shall also submit any other details required relevant to the scope and completion of work. (a) For all RCC Structures	1.00	Job	1200000.00
20.00	Supply and Stacking at site			
20.01	(a) 90mm to 45mm size stone aggregate	420.00	Cum	4840.00
20.02	(b) 63mm to 45 mm size stone agreegate.	316.00	Cum	5200.00
20.03	(c) Stone screening 13.2 mm nominal size.	146.00	Cum	5650.00

20.04	(d) Moorum	53.00	Cum	3600.00
21.00	Laying, spreading and compacting stone aggregate of specified size to WBM specifications including spreading in uniform thickness, hand picking rolling with 3 wheeled road/ vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/ binding material to fill up interstices of coarse aggregate watering and compacting to the required density.	563.00	Cum	700.00
22.00	Providing and applying tack coat using bitumen emulsion (Rapid setting) complying with IS:8887, 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. (a) 0.20 Kg/Sqm on existing bituminous surface	419600.00	Sqm	14.00
23.00	Providing and laying of Hot Mix Dense Bituminous Macadam (DBM) using crushed stone aggregate of quality, size and grading as specified and Cement filler 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 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.	7510.00	Cum	14200.00
24.00	Providing and laying of Hot Mix Semi Dense Asphaltic Concrete (SDAC) using crushed stone aggregate of quality, size and grading as specified and Cement filler 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.	9445.00	Cum	15000.00

25.00	Providing and laying of Hot Mix Dense Asphaltic Concrete (DAC) using crushed stone aggregate of quality, size and grading as specified and Cement filler 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 135 kg/m3 of mix supplied in bulk produced by Govt. Refineries and 2% Cement by weight of aggregates as filler material	6800.00	Cum	15700.00
26.00	Painting runway/taxi track/apron marking including lettering 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 ail dirt, scales, oil, grease and other foreign mater;al etc. and lining out complete. (a)Two or more coats	8530.00	Sqm	295.00
27.00	Painting runway/taxi track/apron marking including lettering 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 ail dirt, scales, oil, grease and other foreign mater;al etc. and lining out complete. (a)One or more coats	9945.00	Sqm	340.00
28.00	Demolishing brick work 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. (a) In Cement Mortar	580.00	Cum	700.00
29.00	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. (a) Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	3813.00	Cum	1240.00
30.00	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. (a) Nominal concrete 1:4:8 or richer mix (i/c equivalent design mix).	3813.00	Cum	1150.00
31.00	Dismantling of flexible pavement (bituminous courses) by mechanical means and disposal of dismantled material up to a lead of 1 kilometre, as per direction of Engineer-in-charge.	499.00	Cum	970.00
32.00	Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 sand) including testing of joints etc. complete (a) 900 mm dia RCC pipes.	45.00	Metre	8800.00
33.00	Carriage of material by mechanical transport including Loading, unloading upto 4.00km (a) Lime, moorum,building rubbish.	3813.00	Cum	196.00

34.00	Supply of C.I. Isolating Transformer housing box, water light round type, metal container of outside size 330 mm, 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 2nos both side 50mm dia clear hole centre (each 180 degree apart) at 75 mm above bottom surface suitable to receive 02 nos 50 mm diameter HDPE pipe and check nut as required. The box should have two SS earth bolt of M 10 x 40 tapped inside near the holes (4" away from the hole centre) and having a drain hole at the bottom suitably tapped to receive 15 mm diameter, 'B' class GI pipe and having clear opening of 220 mm at the top surface and 6 Nos. M 10 tapped hole at the hole centre 260 mm to receive fitting base plate and bolts complete with neoprene rubber gasket for the top covers as required as per the drawing & specifications.	72.00	Each	34000.00
35.00	Supply of C.I. Collar suitable for mounting installing on the existing transformer housing box, made out of water tight round type metal container of outside size 330 mm diameter and upto 175mm height (as per site requirement), 10 mm thick all round except on the top surface which is 15 mm thick and a clear opening of 220 mm diameter at the top as well as bottom having 6 Nos. x M-10 tapped hole along the circumferential centre of 260 mm diameter top/bottom plate to receive bolts as required as per the drawing & specifications. total 12nos of SS bolts shall be provided to fix the collar and light fixture. the housing box should have 2 nos. clear hole (01 nos in each opposite side) of 50mm dia suitable to receive 50 mm dia HDPE pipe and check nuts as required. The housing box should be complete with neoprene rubber gasket for the top covers, painting with Anti-corrosive primers and paint inside and outside etc. as per drawing and specification complete as required.	240.00	Each	18000.00
36.00	Supply of 1 x 16 Sq. mm 5 KV grade single core, multistranded annealed plain copper conductor, underground, unscreened, unarmoured XLPE insulated and PVC outer sheathed, anti-rodent and anti-termite treated Airfield Lighting Cable generally conforming to IS 7098 Part II with up to date amendments etc. complete as required.	27000.00	Metre	225.00
37.00	Supply of 5 KV grade, 16 sq. mm size plug and receptacle of type I class "B" connector suitable for field attachment with 5 KV grade of PVC/XLPE insulated PVC sheathed single core copper conductor Airfield Lighting cable conforming to the relevant IS specification etc. complete as required.	350.00	Each	1150.00
38.00	Supply of 50 mm size HDPE pipe including all accessories such as couplers, end cap etc in accordance with IS- 4984 - 1995 as amended up to date (PE80, PN10) complete as required.	27700.00	Metre	225.00
39.00	Supply of Secondary lead cable of size 2 x 4 sq.mm PVC insulated PVC sheathed anti termite & anti rodent stranded copper conductor airfield lighting cable of 1.1 KV grade. Confirming to IS 1554 part II with up to date amendments as required for following length along with 1.1KV grade Plug and receptacles moulded plug at one end and receptacles at the other end etc complete as required.			
39.01	a) 1 Mtrs	235.00	Each	630.00

39.02	b) 15 Mtrs	12.00	Each	3600.00
39.03	c) 20 Mtrs	7.00	Each	5200.00
39.04	d) 30 Mtrs	8.00	Each	6300.00
40.00	Supply of Secondary lead cable of size 2 x 4 sq.mm PVC insulated PVC sheathed anti termite & anti rodent stranded copper conductor airfield lighting cable of 1.1 KV grade. Confirming to IS 1554 part II with up to date amendments as required.	150.00	Metre	180.00
41.00	Supply of 1.1KV Plug and receptacle suitable for secondary lead of size 2 x 4 sq.mm PVC insulated PVC sheathed anti termite & anti rodent stranded copper conductor airfield lighting cable.	44.00	Set	4300.00
42.00	Supply of following type 5 KV grade 50Hz series type Isolating Transformers, encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and ready to install etc. complete as required.			
42.01	a) 200W 20A/6.6Amp5KV Grade Isolating Transformer	25.00	Each	45000.00
42.02	b) 15W, 20/6.6 Amps 5 KV grade Isolating Transformer	120.00	Each	21400.00
43.00	Supply of Inset type bidirectional fittings suitable for high intensity THRESHOLD/END light fitting for aviation visual aids requirements meeting ICAO standards complete with shallow base and matching body of the fitting, inner body and outer cover made of die cast aluminium complete with 3 x 105 Watts, 6.6 Amps pre focused reflector halogen lamp of 6.6 amps current with connected heat resistant accessories, prism assembly, optical assembly, "O" ring seal, pressure relief test plug, hardware, green/red prism / lenses and all standard accessories and ready for site installation complete as required.	44.00	Each	4300.00
44.00	Supply of Inset type bidirectional fittings suitable for high intensity RUNWAY EDGE light fitting for aviation visual aids requirements meeting ICAO standards complete with shallow base and matching body of the fitting, inner body and outer cover made of die cast aluminium complete with 2 x 105 Watts, 6.6 Amps pre focused reflector halogen lamp of 6.6 amps current with connected heat resistant accessories, prism assembly, optical assembly, "O" ring seal, pressure relief test plug, hardware, Yellow/white/green/red prism / lenses and all standard accessories and ready for site installation complete as required.			
44.01	a)White/White	5.00	Each	1600.00
44.02	b)White/Yellow	22.00	Each	1980.00
45.00	Supply of Bi-Directional Elevated Type high intensity Runway Edge Light Fittings in compliance with ICAO: Annex 14-Volume I & FAA: L-862 AC150/5345-46 suitable for use with 200W 6.6A halogen lamp complete with all accessories including lamp and clear or Yellow/White spreader lens and CI base plate.	15.00	Each	3600.00

46.00	Cutting groove of size 300 mm wide and 150 mm deep (or as required) with saw cut machine, refilling and finishing the surface with coarse sand and bitumen or cement concrete 1:2:4 (1 cement: 2 coarse sand: 4 graded stone aggregate 10 mm dia nominal), etc complete as reqd.	25.00	CUM	5200.00
47.00	Laying of 50mm dia HDPE pipe as per IS specification complete with fitting and cutting, jointing with coupler, bend 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.	24000.00	metre	106.00
48.00	Laying of one number 5 KV grade single core, PVC/XLPE insulated and PVC sheathed stranded copper conductor underground airfield lighting cable in the existing RCC/ HUME/ METAL/HDPE pipe complete as required.	24000.00	metre	25.00
49.00	Laying of 50mm dia HDPE pipe as per IS specification complete with fitting and cutting, jointing with coupler, bend etc. in in the existing trench/ runway surface complete as required.	3400.00	metre	52.00
50.00	Making field connections by crimping upto 16 Sq.mm plug and receptacle with the existing 6 / 16 Sq.mm single core PVC/XLPE insulated copper conductor cable including filling the gap with water sealant material, applying PVC insulation tape of approved/reputed make etc complete as required.	340.00	Each	295.00
51.00	Installation of transformer housing boxes (Item No.1) with a base concrete of 1:2:4 of size 800 mm X 600 mm with 100mm thick at bottom and all around concrete of 1 : 2 : 4, 150 mm thick, top sloped with 1:2:4 cement concrete including fixing 2nos. 50mm dia HDPE pipe and providing and fixing of 15mm diameter B class GI pipe with check nuts for drainage of water, smoothening the top surface with cement, including excavation of hard surface/ bituminous concrete at the runway shoulder etc. complete as required.	72.00	Each	4300.00
52.00	Installation of transformer housing box Collar (Item No.2) with a base concrete of 1:2:4 of size 600 mm diameter and 175mm height and all around concrete of 1 : 2 : 4, 150 mm thick, top sloped with 1:2:4 cement concrete including fixing 2nos. 50mm diameter HDPE pipe with check nuts for series AFL cable, smoothening the top surface with cement, including excavation of hard surface/ bituminous concrete at the runway shoulder etc. complete as required.	240.00	Each	3900.00
53.00	Dismantling of Bi-directional/unidirectional, ELEVATED type of RUNWAY EDGE LIGHT/ TURNING PAD LIGHT/ THRESHOLD LIGHT/WING BAR LIGHT and its supporting pipe fitting etc. from the base plate, isolating transformers from transformer housing box after opening the base plate and M10 size SS/MS hardware etc., and stacking in AAI store.	305.00	Each	340.00
54.00	Dismantling of INSET type of RUNWAY EDGE LIGHT fitting etc., from the Runway surface including disconnection and removing its secondary lead of length up to 60 meters from the runway surface after properly removing the compound, making good the damages and stacking in AAI store.	27.00	Each	4300.00

55.00	Re-Installation of Bi-directional/unidirectional, ELEVATED type of RUNWAY EDGE LIGHT/ TURNING PAD LIGHT/ WING BAR LIGHT etc., complete fittings on the existing base plate, installation of isolation transformer, interconnection, testing, commissioning including thoroughly cleaning the fixtures and its accessories, before installation i/c providing extension support pipe of cast aluminum/aluminum of 65 mm diameter size to raise the height of elevated Approach light to match with the new central runway surface etc. as required.	269.00	Each	1600.00
56.00	Re-installation of Bi-directional/unidirectional, INSET type of RUNWAY EDGE/THRESHOLD light fittings , installation of isolating transformer, interconnection, testing, commissioning including thoroughly cleaning the fixtures and its accessories before installation laying of secondary lead in length up to 50 mtrs. including core/groove cutting of the hard standing and fixing the fitting using quick setting sealant compound etc. complete as required.	72.00	Each	5200.00
57.00	Earthing with G.I pipe of 4.5 meters long x 40 mm diameter i/c accessories and providing masonry enclosures with cover plate having locking arrangement, watering pipes etc., including charcoal or coke and salt complete as required.	25.00	Each	6300.00
58.00	Providing and fixing 6 SWG GI wire along with cable for loop earthing as required.	27000.00	Metre	36.00
59.00	Supply and laying for Earth connection from earth electrode with 6 SWG GI wire in 15 mm diameter G.I pipe (Class-B) etc., as required.	100.00	Metre	430.00
60.00	Supply of 160mm size HDPE pipe including all accessories such as couplers, end cap etc in accordance with IS- 4984 - 1995 as amended upto date (PE80, PN10) complete as required.	1344.00	Metre	1980.00
61.00	Making horizontal boring with all terrain horizontal directional drilling, digging machine at a depth of minimum 1.2 meter or as per site condition and Civil Aviation Requirement (CAR) and laying of 160 mm size of HDPE pipe.	1344.00	Metre	1800.00
62.00	Laying of cable size upto 11 kV, 120 sqmm. in the existing horizontal bore HDPE pipe	1344.00	Metre	97.00
63.00	Construction of Chamber for having clear size of 600mmX600mmX1000mm deep including excavation, 1:4:8 cement concrete bed, 1:2:4 reinforcement cement concret for cover slab with 10mm steel bars, plastering, Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 complete for crossing of Runway cable.	30.00	Each	11500.00
64.00	Supply of 1 x 6 Sq. mm 5 KV grade single core, multistranded annealed plain copper conductor, underground, unscreened, unarmoured XLPE insulated and PVC outer sheathed, anti-rodent and anti-termite treated Airfield Lighting Cable generally conforming to IS 7098 Part II with up to date amendments etc. complete as required.	2500.00	Metre	90.00
65.00	Supply of 5 KV grade, 6 sq. mm size plug and receptacle of type I class "B" connector suitable for field attachment with 5 KV grade of PVC/XLPE insulated PVC sheathed single core copper conductor Airfield Lighting cable conforming to the relevant IS specification etc. complete as required.	40.00	Each	1150.00

66.00	Supply of following type 5 KV grade 50Hz series type Isolating Transformers, encapsulated in polyester resin finally moulded in neoprene type rubber with primary & secondary connections and ready to install etc. complete as required. a) 200W 6.6A/6.6Amp 5KV Grade Isolating Transformer	40.00	Each	45000.00
67.00	Supply and Installation of suitable size MS Junction Box of Size 300(L)X300(H)X200mm(W) with provision for 2 nos cable entry/exit, alongwith 2 nos 5 KV grade fuse base with copper Link for incoming & outgoing cable (upto 1 x 16 Sqmm) with copper lugs. The base of the box to be fixed with 2feet 40mm GI pipe complete as required as per the site condition.	10.00	Set	2500.00
68.00	Supply of elevated type LED fitting suitable for taxiway, apron edge light for operation at 20/6.6 Amp series supply, complete with omnidirectional blue lens (Glass), lens clamping mechanism, breakable coupling, gasket, 2-pin lead, base plate with 06 nos. M 10 stainless steel bolts and other accessories including LED with an integrated encapsulated electronic converter of power consumption approx 7 watt, complete fitting conforming to latest ICAO requirement.	120.00	Each	520.00

Total in Figures

Lowest Amount Quoted BY: SHIVA BUILDTECH PVT LTD(682782676.00)

SYSTEM AND

M.B.B Airport

DTECH PVT GSTN- 0631B1Z1U	NSC Projects Pvt. Ltd.(GSTN- 07AADCN4958N1Z1U)	
Amount	Rate	Amount
243470.00	110.00	276100.00
6892340.00	350.00	12307750.00
44506995.00	90.00	41295150.00
44184955.00	140.00	63772100.00

L1 Amount	L1 Vendor
243470.00	SHIVA BUILDTECH PVT LTD
6892340.00	SHIVA BUILDTECH PVT LTD
41295150.00	NSC Projects Pvt. Ltd.
44184955.00	SHIVA BUILDTECH PVT LTD

2496000.00	15000.00	7200000.00
7848000.00	8972.00	9779480.00
829500.00	9394.00	986370.00
29781500.00	10429.00	34937150.00
1972010.00	675.00	1372275.00
972315.00	450.00	1568250.00
14489875.00	550.00	16777750.00
1175200.00	650.00	1469000.00

2496000.00	SHIVA BUILDTECH PVT LTD
7848000.00	SHIVA BUILDTECH PVT LTD
829500.00	SHIVA BUILDTECH PVT LTD
29781500.00	SHIVA BUILDTECH PVT LTD
1372275.00	NSC Projects Pvt. Ltd.
972315.00	SHIVA BUILDTECH PVT LTD
14489875.00	SHIVA BUILDTECH PVT LTD
1175200.00	SHIVA BUILDTECH PVT LTD

41219200.00	94.00	44029600.00
123200.00	25000.00	350000.00
27087320.00	150.00	24042000.00
10564800.00	150.00	11160000.00
1599200.00	200.00	1999000.00
23847600.00	10660.00	26703300.00
1200000.00	2500000.00	2500000.00
2032800.00	5900.00	2478000.00
1643200.00	6100.00	1927600.00
824900.00	6200.00	905200.00

41219200.00	SHIVA BUILDTECH PVT LTD
123200.00	SHIVA BUILDTECH PVT LTD
24042000.00	NSC Projects Pvt. Ltd.
10564800.00	SHIVA BUILDTECH PVT LTD
1599200.00	SHIVA BUILDTECH PVT LTD
23847600.00	SHIVA BUILDTECH PVT LTD
1200000.00	SHIVA BUILDTECH PVT LTD
2032800.00	SHIVA BUILDTECH PVT LTD
1643200.00	SHIVA BUILDTECH PVT LTD
824900.00	SHIVA BUILDTECH PVT LTD

190800.00	5400.00	286200.00
394100.00	800.00	450400.00
5874400.00	22.00	9231200.00
106642000.00	19699.00	147939490.00
141675000.00	20524.00	193849180.00

190800.00	SHIVA BUILDTECH PVT LTD
394100.00	SHIVA BUILDTECH PVT LTD
5874400.00	SHIVA BUILDTECH PVT LTD
106642000.00	SHIVA BUILDTECH PVT LTD
141675000.00	SHIVA BUILDTECH PVT LTD

106760000.0 0	21563.00	146628400.0 0
2516350.00	300.00	2559000.00
3381300.00	200.00	1989000.00
406000.00	750.00	435000.00
4728120.00	1000.00	3813000.00
4384950.00	1000.00	3813000.00
484030.00	1000.00	499000.00
396000.00	15000.00	675000.00
747348.00	200.00	762600.00

106760000.0 0	SHIVA BUILDTECH PVT LTD
2516350.00	SHIVA BUILDTECH PVT LTD
1989000.00	NSC Projects Pvt. Ltd.
406000.00	SHIVA BUILDTECH PVT LTD
3813000.00	NSC Projects Pvt. Ltd.
3813000.00	NSC Projects Pvt. Ltd.
484030.00	SHIVA BUILDTECH PVT LTD
396000.00	SHIVA BUILDTECH PVT LTD
747348.00	SHIVA BUILDTECH PVT LTD

2448000.00	6397.00	460584.00
4320000.00	4025.00	966000.00
6075000.00	221.00	5967000.00
402500.00	635.00	222250.00
6232500.00	131.00	3628700.00
148050.00	910.00	213850.00

460584.00	NSC Projects Pvt. Ltd.
966000.00	NSC Projects Pvt. Ltd.
5967000.00	NSC Projects Pvt. Ltd.
222250.00	NSC Projects Pvt. Ltd.
3628700.00	NSC Projects Pvt. Ltd.
148050.00	SHIVA BUILDTECH PVT LTD

43200.00	3745.00	44940.00
36400.00	4815.00	33705.00
50400.00	6688.00	53504.00
27000.00	174.00	26100.00
189200.00	736.00	32384.00
1125000.00	5350.00	133750.00
2568000.00	3143.00	377160.00
189200.00	78930.00	3472920.00
8000.00	65099.00	325495.00
43560.00	66624.00	1465728.00
54000.00	6688.00	100320.00

43200.00	SHIVA BUILDTECH PVT LTD
33705.00	NSC Projects Pvt. Ltd.
50400.00	SHIVA BUILDTECH PVT LTD
26100.00	NSC Projects Pvt. Ltd.
32384.00	NSC Projects Pvt. Ltd.

133750.00	NSC Projects Pvt. Ltd.
377160.00	NSC Projects Pvt. Ltd.
189200.00	SHIVA BUILDTECH PVT LTD

8000.00	SHIVA BUILDTECH PVT LTD
43560.00	SHIVA BUILDTECH PVT LTD
54000.00	SHIVA BUILDTECH PVT LTD

130000.00	12500.00	312500.00
2544000.00	125.00	3000000.00
600000.00	23.00	552000.00
176800.00	50.00	170000.00
100300.00	125.00	42500.00
309600.00	5000.00	360000.00
936000.00	3125.00	750000.00
103700.00	188.00	57340.00
116100.00	3750.00	101250.00

130000.00	SHIVA BUILDTECH PVT LTD
2544000.00	SHIVA BUILDTECH PVT LTD
552000.00	NSC Projects Pvt. Ltd.
170000.00	NSC Projects Pvt. Ltd.
42500.00	NSC Projects Pvt. Ltd.
309600.00	SHIVA BUILDTECH PVT LTD
750000.00	NSC Projects Pvt. Ltd.
57340.00	NSC Projects Pvt. Ltd.
101250.00	NSC Projects Pvt. Ltd.

430400.00	2500.00	672500.00
374400.00	21000.00	1512000.00
157500.00	9725.00	243125.00
972000.00	26.00	702000.00
43000.00	269.00	26900.00
2661120.00	1392.00	1870848.00
2419200.00	1500.00	2016000.00
130368.00	63.00	84672.00
345000.00	18750.00	562500.00
225000.00	100.00	250000.00
46000.00	635.00	25400.00

430400.00	SHIVA BUILDTECH PVT LTD
374400.00	SHIVA BUILDTECH PVT LTD
157500.00	SHIVA BUILDTECH PVT LTD
702000.00	NSC Projects Pvt. Ltd.
26900.00	NSC Projects Pvt. Ltd.
1870848.00	NSC Projects Pvt. Ltd.
2016000.00	NSC Projects Pvt. Ltd.
84672.00	NSC Projects Pvt. Ltd.
345000.00	SHIVA BUILDTECH PVT LTD
225000.00	SHIVA BUILDTECH PVT LTD
25400.00	NSC Projects Pvt. Ltd.

1800000.00	5350.00	214000.00
25000.00	13913.00	139130.00
62400.00	3745.00	449400.00

214000.00	NSC Projects Pvt. Ltd.
25000.00	SHIVA BUILDTECH PVT LTD
62400.00	SHIVA BUILDTECH PVT LTD

682782676.0 0

852405000.0 0

BOQ Summary Details
**Tender Title: RE CARPETING OF RUNWAY TAXIWAYS GRADING OF OPERATIONAL AREA DEVELOPMENT OF DRAINAGE
SYSTEM AND ASSOCIATED WORKS CIVIL AND ELECTRICAL AT MBB AIRPORT AGARTALA**
Tender ID: 2023_AAI_147392_1

Sheet Name	Sl.No	Bidder Name	Amount	Bid Rank
BoQ1	1	SHIVA BUILDTECH PVT LTD	682782676	L1
	2	NSC Projects Pvt. Ltd.	852405000	L2