

आइ. एस. ओ प्रमाणित एयरपोर्ट
ISO CERTIFIED AIRPORT

भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA

No.AAI/TVM/ENGG(C)/CMD-I/AMC/2020-21/190

Date: 17.07.2020

To,

M/s.S.K.S Interiors
Sivasankari
TC-3/1124(7)
SRNagar-41
East Pattom
Thiruvananthapuram-695004

Name of work: Miscellaneous Civil works at New International Terminal Building, Car Park and Operational area at Trivandrum Airport, Thiruvananthapuram- 2020-22.

Ref: - 1. Your E-Tender dated 10.05.2020(Tender ID: 2020_AAI_45942_1)

Dear Sir(s),

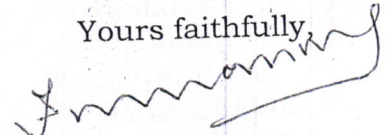
1. Your e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the percentage rates quoted by you **9.90%** (Nine Point Nine Zero percentage only) above on Part I II&III items as per schedule 'A' after deducting 18% GST and at the rates mentioned in part IV of schedule "A" (without quoted percentage) as per "mode of payment" referred in page No.149 of tender document totalling to **Rs.2,95,00,000/-** (Two Crores Ninety-Five lakhs only) excluding GST.
2. Jt. Gen.Manager (Engg-Civil), AAI, Trivandrum Airport, Trivandrum shall be the Engineer-in-charge of the work. You are requested to attend the office of Jt. Gen.Manager (Engg-Civil)-II, AAI, Trivandrum Airport by 13.08.2020 to sign and complete the contract agreement. The contract agreement shall be executed on a non-judicial stamp paper of value **Rs.200/-** (Rupees Two hundred only) and the cost of the stamp paper shall be borne by you.
3. The Earnest Money amount of **Rs.5,90,000/-** (Rupees- Five lakhs ninety Thousand only) received along with your tender will be treated and converted as part of Security Deposit as per condition of clause No:1A, on page No: 17 of the general conditions of contract. Please deposit **Rs.23,60,000/-** (Rupees- Twenty-Three lakhs Sixty Thousand only) in the form of demand draft/bank guarantee of nationalized or any scheduled bank but not from co-operative or Gramin bank towards security deposit within 10 days from the date of issue of this letter failing which, the same will be deducted as per the condition of Clause No.1 A on Page 17 of the General Conditions of Contract.

(.... Cont Page 2)

Received by
Date 17/07/2020
Job. Irudanthen H.

4. You are directed to obtain valid Labour license as required under contract Labour(Regulation and abolition) Act 1970 and Central rules 1971, Employees Provident fund Act 1952 and Employees State Insurance Act 1948 and rules thereof Central and State Governments and produce the same to the undersigned within a period of 10 days.
5. You are requested to comply with the provision of Contract Labour (Regulation and Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971 Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and Conditions of Service) Act 1996, Building and other construction workers Welfare Cess Act 1996 as specified in Clause 19 on page no.49 to 55 of GCC of tender and rules of Central and State Governments.
6. You are also directed to contact Asst.Gen.Manager (Engg-Civil)-II, AAI, Trivandrum International Airport immediately, who will arrange to hand over the site to you.
7. Please note that the time allowed for carrying out the work shall be **24 (Twenty-Four) Months** and same shall be reckoned from **13.08.2020**.
8. Any further correspondence in connection with the contract should normally be addressed to Jt.Gen.Manager (Engg-Civil)-II AAI, Trivandrum Airport, Trivandrum.
9. Please acknowledge the receipt and return the duplicate copy of this letter after signing it to the undersigned as a token of acceptance.

Yours faithfully,



संयुक्त महाप्रबंधक इंजि-सिविल-II
Jt. GEN. MANAGER ENGG (C)-II
Airports Authority of India
Trivandrum International Airport
FOR AND ON BEHALF OF CHAIRMAN, AAI

Encl: Schedule-'A'



SCHEDULE 'A' (Schedule of Quantities)

Name of Work: Miscellaneous Civil works at New International Terminal Building, Car Park and Operational area at Trivandrum Airport, Thiruvananthapuram- 2020-22.

ITEM NO	DESCRIPTION	UNIT	RATE
I	PART I (DSR -2018 Items)		
	All items of works mentioned in CPWD DSR'2018 ' including items under Horticulture, Landscaping and conservation of Heritage building work	As per CPWD DSR - 2018	Rates of items of work as specified in CPWD DSR 2018
	PART II SUPPLY OF MATERIALS (CHAPTER'BASIC RATES 0.3 MATERIALS' of DSR '2018')	As per CPWD DSR - 2018	Basic Rate as per CPWD DSR 2018 + 1% Water charges + 14.05% GST+15% CP & OH+ 1% Cess
	PART III ADDITIONAL ITEMS (RATE DERIVED AT PAR TO DSR 2018)		
1	Clearing of grass and vegetation using grass cutting machine and removal of rubbish upto a distance of 150 m outside the periphery of area cleared. (The rate is inclusive of hire charges of grass cutting machine, labour, fuel, over heads and contractor's profit)	Sqm	1.58
2	Concrete work in individual cases at distant locations in operational area ,involving trasportation of labour and material and clearing of area etc complete upto 0.5 cum in foundation ,plinth and superstructure upto floor one level. In Cement concrete 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	10229.28
3	Brickwork work with class designation 7.5 in individual cases at distant locations in operational area ,involving trasportation of labour and material and clearing of area etc complete upto 0.5 cum in foundation ,plinth and superstructure upto floor one level.	Cum	9243.14
4	Providing and fixing PVC pipe of specified diameter of approved make for weep hole/airhole in brick masonry / random rubble masonry/RCC slab etc all complete as per the direction of Engineer in charge. 63mm dia pipe 4 kg/cm2	Metre	102.29
5	Replacing of approved shade granite slab of required size (area of slab over 0.50 Sqm)by dismatling existing granite flooring and laying new granite slab by using cement mortar or tile adhesive wherever required including disposal of unserviceble material etc complete all as per the direction of engineer in charge. Black galaxy granite 16 mm (average thick).	Sqm	4508.58
6	Replacing of approved shade granite slab of required size (area of slab over 0.50 Sqm)by dismatling existing granite flooring and laying new granite slab by using cement mortar or tile adhesive wherever required including disposal of unserviceble material etc complete all as per the direction of engineer in charge. Raw silk granite 16 mm (average thick).	Sqm	4315.24
7	Providing and fixing factory made PVC single panel flush door shutters i/c frame of Sintex make or equivalent with PVC foam end cap provided on both vertical ,top,bottom edges of the shutters to ensure the overall thickness of 20mm ,MS tube inserted along the hinge side of the door,core of the door shutter filled with high density Polyurethane foam and the shutter shall be reinforced with special polymeric reinforcements with hardware and fixtures like tower bolts,hinges,handles,etc including fixing the frame to wall with suitable dia and length anchor fastener and fixing the shutter,etc complete as per manufactures specification and direction of engineer in charge (rate is inclusive of frame and shutters).	Sqm	1164.72
8	Providing and fixing plain GI sheets of 16 gauge thickness at Gate,partition etc including cutting to size and shape etc wherever required all as per the direction of engineer in charge .	Sqm	854.28

9	Providing and fixing Stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, Fasteners etc.)(Material Supplied by Department free of cost)	Kg	200.63
10	Dismantling of existing stainless steel railing of maximum height 1.50m by cutting the vertical legs carefully without damaging the granite/kota stone flooring and grinding the edges in line and level with floor and filling the opening in floor with concrete/mortar/suitable filler material including cleaning of surrounding area and stacking of dismantled railing with in a lead of 150m etc complete all as per the direction of Engineer-in-charge.	Metre	254.85
11	Providing and fixing by welding SS 304 Aldrop 300mm by welding and necessary finishing of the surface etc complete all as per the direction of Engineer in Charge.	Each	353.33
12	Providing and fixing by welding SS 304 Tower bolt 250mm by welding and necessary finishing of the surface etc all as per the direction of Engineer in Charge.	Each	310.14
13	Providing and fixing SS 304 Hinges 25mm dia, 100mm length by welding and necessary finishing of the surface etc all as per the direction of Engineer in Charge.	Each	201.93
14	Providing and fixing SS 304 Base cup of 50mm inner dia, 85mm outer dia with approved design etc all as per the direction of Engineer in Charge.	Each	38.88
15	Providing Galvanume colour coated troughend roofing sheets of 0.40 mm thickness of approved make (TATA blue scope or equivalent) sheets in roofing upto any pitch and fixing with GI self drilling fastener and EPDM washers etc. complete excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required as per the direction of Engineer-in-charge.	Sqm	485.09
16	Providing Galvanume colour coated troughend roofing sheets of 0.35mm thickness of approved make(TATA bluescope or equivalent) sheets in roofing upto any pitch and fixing with GI self drilling fastener and EPDM washers etc. complete excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required as per the direction of Engineer-in-charge.	Sqm	434.83
17	Providing and fixing ceiling tiles with necessary nails screws etc complete (frame work to be paid seperately) . All as per the direction of Engineer in charge.4mm thick E-board of hill and lake pattern.	Sqm	701.00
18	Providing and fixing Gypsum board including removal from existing false ceiling at all heights of 12.5 mm thick tapered edge gypsm board conforming to IS : 2095 to the existing frame work including fixing to a flash finish of taped and square edges of the gypsm board with recommended filler paper tapes, finisher and two coats of primer suitable for gypsm board as per manufactures specification.	Sqm	627.94
19	Providing pvc cover of brand sintex or equivalent for water tank including necessary hinges etc. complete as directed by Engineer-in-charge.	Each	98.78
20	Cleaning of terrace of Buildings in Operational area of all level roof by wire brusher/brooming scrapping etc and removal of building rubbish material, glass pieces, fungai leaves etc and removal of same to a place outside the peripheries of Airport etc. complete all as per the direction of engineer-in-charge.	Sqm	8.46
21	Cleaning of saucer drain/ kerb edge including removal of silt/ debris/grass etc after removing gratings wherever existing and refixing after attending work and disposal and levelling of the same upto a lead of 200m away from the site without disturbing the operations of Airport etc. complete all as per the direction of engineer-in-charge.	RM	4.81
22	Disilting and cleaning of storm water drain open/covered by first removing the RCC slabs/steel cover on drain top where ever required , then disilting of entire length of drain and disposal of debris/liquid mud though chamber located at 30 m interval upto a lead of 200 m away from site and refixing precast RCC slab/steel manhole cover in position complete all as per the direction of engineer-in-charge. For drain width upto 2 m and depth upto 2.5 m etc.	RM	52.19

23	Desilting, cleaning, removal and disposal of debris, mud, grass, vegetation etc . Including taking out roots if any from bed and sides all inlet sumps of connected pipes of small drains, under sides of culverts etc. Of storm water drain of bottom width upto 2.5 mtr . Disposal of waste material shall be through the openings of chain link cover wherever provided up to a lead of 50m away from the edges of drain top level either by levelling in low lying area or burying pits and refilling etc. complete all as per direction of Engineer in charge.	RM	15.77
24	Desilting, cleaning, removal and disposal of debris, mud, grass, vegetation etc . Including taking out roots if any from bed and sides all inlet sumps of connected pipes of small drains, under sides of culverts etc. Of storm water drain of bottom width above 2.5 mtr . Disposal of waste material shall be through the openings of chain link cover wherever provided up to a lead of 50m away from the edges of drain top level either by levelling in low lying area or burying pits and refilling etc. complete all as per direction of Engineer in charge.	RM	18.39
25	Desilting and cleaning of heavy steel grill /RCC slabs covered box drain of size upto 1.20m width and height of 1.50m across apron/parking bay etc including removing and disposal of grass /vegetation/debris liquid mud upto a lead 50m away from the edges of drain top level either by levelling in low lying area or burying pits and refilling etc. complete all as per direction of Engineer in charge.	RM	24.58
26	Cleaning and desilting of Kutcha drain including removing bushes grasses etc. from bottom and sides of the drain, removing silt from bottom and making good the bottom level to the required slope and level for smooth flow of water and disposal of excavated silt to a lead of 50m etc. complete all as per the direction of Engineer in Charge	RM	43.03
27	Desilting ,cleaning and removal of blockages in front of box grill at drain end including disposal of grass /vegetation, debris/liquid mud etc. Disposal of waste materials shall be upto to a lead of 50m away from the drain at the top level either by levelling low level area of burying pits and refiling etc complete as per the direction of engineer in charge	Each	2579.05
28	Desilting and cleaning of pipe drain with all connected manholes (all size) including removing and disposal of debris, liquid mud etc. upto a lead of 150m all as per direction of engineer in charge. of size upto 1200mm dia	RM	28.16
29	Desilting ,cleaning, the RCC box culvert upto width of 1.5 m and 1m height across Runway including first aid, watch and ward, light arrangements, removing all debris sand silt liquid materials and vegetation if any and disposal of the same to a lead upto 50m etc. complete all as per direction and satisfaction of engineer in charge	RM	287.23
30	Cleaning of manhole chamber and sewer line connecting manhole to manhole by rope and ball method including removal of sludge and disposing the sludge by digging a pit refilling and leveling the same 100m away from the site without disturbing the operation of airport. a) Upto size (1.20m x 0.90m) and depth upto 1.50m.	Each	261.98
31	Cleaning of sewage collection well of approx size 11mx12mx2.30m and pumping well having dia 3.0m and depth 5.0 m at NITB by manual means including disposal of sewage away from Airport premises etc complete all as per the direction of Engineer in charge.	Each	15178.65
32	Cleaning of PVC Septic tank , collection chamber, grills, inlet and outlet manholes etc including dewatering, removal of sludge and disposal of sludge mechanically or manually by digging a pit refilling and leveling the same 100m away from the site without disturbing the operation of airport complete all as per the direction of Engineer in charge. PVC Syntex tank 35 flush capacity	Each	8226.45
33	Cleaning of Night soil pit /tank and collection chamber including dewatering, removal of sludge and disposal of sludge mechanically or manually away from Airport disturbing operational all as per the direction of engineer in charge premises complete all as per the direction of Engineer in charge. Tank Size 2X5.00X1.75 M, Collection chamber 1.5X0.75X0.45 M	Each	9898.24
34	Cleaning of Night soil pit /RCC tank and collection chamber including dewatering, removal of sludge and disposal of sludge mechanically or manually by digging a pit refilling and leveling the same 100m away from the site without disturbing the operation of airport complete all as per the direction of Engineer in charge Tank Size 9.34 m X 3.14 M depth 1.63 m	Each	11570.03

35	Painting of taxiway/Apron marking with retroreflective road marking paint of superior make of Apcotrak/fast trak WBR 3427 of Asian paints or equivalent with Air/Airless spray applicator including application of high index glass beads (TTB 1325 type III and having refractive index of 1.90) of potters make or equivalent. The painting shall be done for the existing taxiways/apron as per recommended dimensions as per the direction of Engineer in Charge. The existing surface shall be cleaned thoroughly off dirt, dust, scales, oil, grease..etc before application of the paint (The paint to be applied should have single coat coverage of 0.50 litre per Sqm for paint and 500 gms per sqm for glass beads. (one or more coat).	Sqm	491.85
36	Re-Lettering with water based road marking paint of approved brand & manufactures in all shades complete including cleaning of old surface etc.complete as per the direction of engineer- in- charge.	letter per cm height	2.98
37	Dismantling old concertina coil from compound wall/ old fencing etc including stacking of serviceable materials and disposal of unserviceable materials etc all complete as per the direction of engineer in charge.	RM	38.60
38	Providing and fixing at any level Reflective sticker boards of any size , letter fonts,colour , language using approved colour stickers base & letter of LG/AVERY or equivalent make duly pasted on 3 mm PVC sheet of FOREX or equivalent etc complete all as per the direction of Engineer-in-Charge (The rate shall include the cost of necessary accessories such as adhesives, screws, double side adhesive tapes ,scaffolding etc wherever required).	Sqm	4649.43
39	Providing and fixing at any level Reflective sticker boards of any size , letter fonts,colour , language using approved colour stickers base & letter of LG/AVERY or equivalent make duly pasted on 5 mm PVC sheet of FOREX or equivalent etc complete all as per the direction of Engineer-in-Charge (The rate shall include the cost of necessary accessories such as adhesives, screws, double side adhesive tapes ,scaffolding etc wherever required)	Sqm	5114.20
40	Providing and fixing at any level Reflective sticker boards of any size , letter fonts,colour , language using approved colour stickers base & letter of LG/AVERY or equivalent make duly pasted on existing FLOOR /glass / wall / boards etccomplete all as per the direction of Engineer-in-Charge (The rate shall include the cost of necessary accessories such as adhesives, screws, double side adhesive tapes ,scaffolding etc wherever required)	Sqm	3719.02
41	Providing and fixing at any level eco solvent printed boards of any size , letter fonts,colour , language using approved colour vinyl stickers of LG/AVERY or equivalent make duly pasted on 2 mm thick clear acrylic sheet of approved make etccomplete all as per the direction of Engineer-in-Charge (The rate shall include the cost of necessary accessories such as adhesives, screws, double side adhesive tapes ,scaffolding etc wherever required)	Sqm	3533.29
42	Providing and fixing at any level eco solvent printed boards of any size , letter fonts,colour , language using approved colour vinyl stickers of LG/AVERY or equivalent make duly pasted on 3 mm PVC sheet of FOREX or equivalent etccomplete all as per the direction of Engineer-in-Charge (The rate shall include the cost of necessary accessories such as adhesives, screws, double side adhesive tapes ,scaffolding etc wherever required).	Sqm	3347.55
43	Providing and fixing at any level eco solvent printed boards of any size , letter fonts,colour , language using approved colour vinyl stickers of LG/AVERY or equivalent make duly pasted on 5 mm PVC sheet of FOREX or equivalent etccomplete all as per the direction of Engineer-in-Charge (The rate shall include the cost of necessary accessories such as adhesives, screws, double side adhesive tapes ,scaffolding etc wherever required)	Sqm	3533.29
44	Providing and fixing at any level eco solvent printed boards of any size , letter fonts,colour , language using approved colour vinyl stickers of LG/AVERY or equivalent make duly pasted on existing glass / wall / boards etccomplete all as per the direction of Engineer-in-Charge (The rate shall include the cost of necessary accessories such as adhesives, screws, double side adhesive tapes ,scaffolding etc wherever required).	Sqm	2324.72
45	Providing and fixing approved shade suncontrol film of Garware or equivalent make on existing glazing of door /windows/partitions at any level in required shape with necessary tools and proper cleaning of glasses , removal of old film etc wherever required etc complete all as per the directions of Engineer in charge.Non Reflective grade minimum 25 microns	Sqm	1394.30

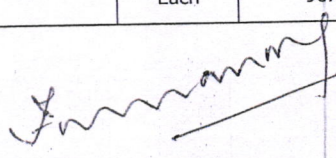
46	Providing and fixing approved shade suncontrol film of Garware or equivalent make on existing glazing of door /windows/partitions at any level in required shape with necessary tools and proper cleaning of glasses, removal of old film etc wherever required etc complete all as per the directions of Engineer in charge. Non Reflective privacy grade minimum 50 microns	Sqm	1673.34
47	Providing and fixing clear matt vinyl sticker of LG/ MACCAL/ORACAL OR equivalent make on existing glass including removal of old vinyl/ film etc wherever required etc complete all as per the direction of engineer in charge	Sqm	1115.27
48	Providing and fixing colour vinyl sticker of LG/ MACCAL/ORACAL OR equivalent make on existing glass, partition ACP including removal of old vinyl/ film etc wherever required etc complete all as per the direction of engineer in charge	Sqm	1298.42
49	Providing and fixing yellow black stripped lane marking tapes of 3M 766 or equivalent including application of adhesion support cleaning solution of 3M primer or equivalent prior to tape application all in various location of terminal building and the like in different lengths & patterns as per site requirement as per the direction of engineer in charge	Sqm	797.99
50	Providing and fixing stainless steel toilet paper holder as per Parryware catalouge no T 6505A or equivalent fixed with S/S screws etc. complete.	Each	295.12
51	Providing and replacing of inner flexible tube parryware or equivalent (approved make) of Health faucet etc complete as per the direction of Engineer in charge flexible tube of 1m long	Each	297.59
52	Providing and fixing CP brass 15 mm nominal bore health faucet lever of LOTUS or Equivalent make etc complete as per the direction of Engineer in charge	Each	435.28
53	Providing and replacing of CP brass hook for health faucet holder (approved make) etc complete as per the direction of Engineer in charge	Each	198.24
54	Providing and replacing 15 mm C.P. brass push cock etc complete all as per the direction of Engineer in charge.	Each	361.73
55	Replacing of watersupply and sanitary fittings with necessary including stacking of serviceable material and disposal of unserviceable material, making good the wall and floor etc complete all as per the direction of Engineer in chage .EWC seat cover Cera or Equivalent	Each	722.01
56	Replacing of watersupply and sanitary fittings with necessary including stacking of serviceable material and disposal of unserviceable material, making good the wall and floor etc complete all as per the direction of Engineer in charge.Bottle trap-heavy of Code no T3202a1 of parryware or equivalent	Each	1064.68
57	Replacing of watersupply and sanitary fittings with necessary including stacking of serviceable material and disposal of unserviceable material, making good the wall and floor etc complete all as per the direction of Engineer in charge.Half threaded /full threaded waste coupling of code no T9910A1/ T9911A1 of Parryware or equivalent	Each	362.70
58	Replacing of watersupply and sanitary fittings with necessary including stacking of serviceable material and disposal of unserviceable material, making good the wall and floor etc complete all as per the direction of Engineer in charge.Urinal domed waste Coupling of code no T9954A1 of Parryware or equivalent make	Each	395.18
59	Providing and fixing CP brass gratings of 125 mm dia etc complete as per the direction of Engineer in charge.	Each	97.87
60	Providing and fixing concealed flush valve of Parryware Product code T3302A1. after removing existing damaged one complete all as per the direction of Engineer-in- charge	Each	2299.33
61	Providing and replacing of Superior mirror of 6mm thick of various sizes on existing aluminium frame work including stacking of serviseble materils & disposal of unserviceable materials etc all complete as per the direction of Engineer in charge.	Sqm	1168.82
62	Providing and fixing PVC pipes, including all PVC plain fittings fixing the pipe with clamps at appropriate spacing. This includes jointing of pipes & fittings with one stepsolvent cement and testing of joints complete as per direction of Engineer-in-Charge.32 mm dia 10 kg/ cm2	RM	134.15

63	Providing and fixing PVC pipes, including all PVC fittings necessary clamps etc complete all as per direction of Engineer in Charge. 75 mm nominal outer dia Pipes, 4kg/cm2	RM	88.77
64	Providing and fixing PVC pipes, including all PVC fittings necessary clamps etc complete all as per direction of Engineer in Charge. 110 mm nominal outer dia Pipes, 4kg/cm2	RM	158.32
65	Providing and fixing prelaminated particle board in aluminium partition work with aluminium snap beading (after removing the existing damaged board/glass from the partitions) wherever required without damaging the existing aluminium frame work etc complete as per the direction of Engineer in charge (Aluminium clips shall be paid seperately). 12 mm thick both side laminated- Exterior grade	Sqm	1079.14
66	Providing and fixing prelaminated particle board in aluminium partition work with aluminium snap beading (after removing the existing damaged board/glass from the partitions) wherever required without damaging the existing aluminium frame work etc complete as per the direction of Engineer in charge (Aluminium clips shall be paid seperately). 9mm thick laminated on both sides- Interior Grade	Sqm	756.54
67	Providing and fixing Bison panel in aluminium partition work with aluminium snap beading (after removing the existing damaged board/glass from the parttions) wherever required without damaging the existing aluminium frame work etc complete as per the direction of Engineer in charge (Aluminium clips shall be paid seperately). 8mm thick laminated on both sides	Sqm	733.50
68	Providing and fixing glazing in aluminium doors, windows ventilater, shutters and partitions etc with PVC neoprene gasket etc.(cost for aluminium frame work and snap beading shall be paid in basic item with 4MM thick tinted glass	Sqm	960.13
69	Providing and fixing powder coated aluminium grill (with minimum powder coating of 40 microns) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P brass/ stainless steel screws @ 200mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).	KG	623.68
70	Providing and fixing of powder coated aluminium tower bolts of approved quality with necessary screws etc complete.200 x 10mm	Each	142.08
71	Providing and fixing powder coated aluminium sliding door bolts of 250 x16 mm of approved quality with necessary screws etc complete all as per the direction of Engineer in Charge.	Each	309.91
72	Providing and fixing aluminium hanging floor door stopper ISI marked powder coated (powder coating not less than 40 microns) to required colour and shade with necessary screws etc. complete. Twin rubber stopper	Each	60.94
73	Providing and fixing powder coated "American type " alumunium handle of approved quality with necessary screws etc complete all as per the direction of Engineer in charge.150mm handle	Each	42.23
74	Providing and fixing brass pivots of approved quality and manufacture in aluminium doors including removing the existing damaged pivots wherever necessary etc complete all as per the direction of Engineer in charge.	Each	193.69
75	Providing and fixing bright finished 100 mm mortice lock of Godrej or equivalent make with 6 levers with pair of handles of approved quality for aluminium door after removing existing damaged lock , with necessary screws etc complete as per direction of Engineer-in-charge.	Each	1557.16
76	Providing and fixing sliding door gear wheel of approved quality and manufacture in sliding door including fixing the same etc complete all as per the direction of engineer in charge.	Set	292.85
77	Dismantling aluminium doors made of any section without damaging the frames, Novapan/glass etc and realigning and resetting the same in order to make it serviceable including fixing in position etc complete all as per the direction of Engineer in charge.	Sqm	498.36
78	Providing and fixing 16" ERCO" maker drawer slider for table with necessary screws etc complete all as per the direction of Engineer in charge.	Set	369.39

79	Providing and fixing aluminium work with existing pannels and glazing in doors, windows , ventilator and partitions with standard aluminium section, fixed with rawl plugs and screws or with fixing clips or with expansion hold fastners including necessary filling up of gaps at junction, at top bottom and sides with PVC/neopres felt, white cement etc. (New glazing and panelling to be paid seperately).The required aluminium sections shall be supplied departmently free of cost).For fixed portion	KG	102.73
80	Providing and fixing aluminium work with existing pannels and glazing for doors, windows , ventilator and partitions with standard aluminium section, fixed with rawl plugs and screws or with fixing clips or with expansion hold fastners including necessary filling up of gaps at junction, at top bottom and sides with PVC/neopres felt, white cement etc. (New glazing and panelling to be paid seperately) For shutters of doors, windows and ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including cost of PVC/neopren gasket requed(fittings shall be paid seperately). The required aluminium sections shall be supplied departmentaly free of cost.	KG	181.59
81	Providing and fixing Double Glass Unit of 22mm thick hermetically sealed insulated reflective glass (6mm heat reflective toughened glass + 10 mm air gap + 6mm plain float glass of approved size and manufacture in structural glazing of any profile at any level by removing the broken/worn out Double Glass Units (DGUs) including removing the worn out sealant , cleaning the frame work etc. complete all as per the direction of Engineer-in-Charge(The aluminium extruded sections if any used for basic frame shall be paid under basic item)	Sqm	8879.76
82	Providing and fixing frameless glazing using 10 mm thick toughened glass panel of approved make and size fixed on floors at any level by removing the damaged galss , sealant etc. wherever required and fixing the same in exisiting patch fittings/spiders without damaging the nearby glazing/structure and sealing the joints with clear sealant including disposal of damaged glass etc complete all as per the direction of Engineer-in-Charge.	Sqm	3356.81
83	Providing and fixing frameless glazing using 12 mm thick toughened glass panel of approved make and size fixed on floors at any level by removing the damaged galss , sealant etc. wherever required and fixing the same in exisiting patch fittings/spiders without damaging the nearby glazing/structure and sealing the joints with clear sealant including disposal of damaged glass etc complete all as per the direction of Engineer-in-Charge.	Sqm	3442.59
84	Providing and fixing new laminated glass consisting of 6 mm blue reflective toughened and 6 mm clear toughened glass of Saint Goban or equivalent sandwiched with .98 mm resins of approved brand and manufacture and filling the joints with weather sealant in skylights at any height at roof level by removing the damaged laminated glass of any size and weather sealant without damaging the frame work etc complete all as per the direction of Engineer-in Charge (Item includes cost of dismantling old laminated glass, weather sealant , providing new laminated glass, Weather Sealant, Gasket, Foam, Scaffolding, Fixtures all machineries and all taxes . The aluminium extruded sections if any used for modifying the basic frame shall be paid under basic item)	Sqm	10533.82
85	Providing and fixing 4 mm thick aluminium composite panel ,3000 series(of approved colour / shade) having skin material of 0.025 mm aluminium on each side and core material of natural polyurethane for wall cladding/rectangular/square cladding and ceiling at all levels and height, fixed in pre-size of infill panel including structural sealant etc. with water tight and air-tight system either curved or straight in plan. The aluminium composite panel to be fixed to the extruded aluminium basic frame using angle cleats, rivets, G.I. brackets all as approved on RCC/structural works/Walls including necessary accessories complete in all respects as per drawings, specifications and as directed by Engineer in charge. (Item includes cost of ACP Panel, Weather Sealant, Gasket, Foam, Scaffolding, Fixtures all machineries and all taxes . The aluminium extruded sections used for basic frame shall be paid seperately)	Sqm	2520.76

86	Providing and fixing 3 mm thick aluminium composite panel ,3000 series(of approved colour / shade) having skin material of 0.025 mm aluminium on each side and core material of natural polyurethane for wall cladding/rectangular/square cladding and ceiling at all levels and height, fixed in pre-size of infill panel including structural sealant etc. with water tight and air-tight system either curved or straight in plan. The aluminium composite panel to be fixed to the extruded aluminium basic frame using angle cleats, rivets, G.I. brackets all as approved on RCC/structural works/Walls including necessary accessories complete in all respects as per drawings, specifications and as directed by Engineer in charge. (Item includes cost of ACP Panel, Weather Sealant, Gasket, Foam, Scaffolding, Fixtures all machineries and all taxes . The aluminium extruded sections used for basic frame shall be paid seperately)	Sqm	1979.28
87	Hiring of Vehicle mounted Jack hammer breaker 58 PCM on hourly basis for demolishing concrete of richer mix including cost of operator transporting to and from site, fuel charge and any other incidental charges etc.	Hours	1274.23
88	Hiring of Gas cutter on hourly basis for cutting MS ring/sections including cost of operator transporting to and from site, fuel charges and any other incidental charges etc.	Hours	1019.39
89	Hiring of JCB on hourly basis for miscellaneous cleaning , grading,removal of mulba and debris.etc. at operational area/ Other areas including transportation to and from the site,cost fuel, operator and any other incidental charges.etc..	Hours	917.44
90	Hiring of tipper (8 tonne) on hourly basis for miscellaneous works at operational area, including transportation to and from the site,cost fuel, operator and any other incidental charges.etc..	Hours	1019.39
91	Providing and Fixing Rubber speed breakers of size 500x350x50mm(GF 50) of approved make and maufactures with necessary nuts bolts washes and pvc sleeves etc complete all as per the direction of engineer in charge.	RM	2884.76
92	Providing and fixing nylon net of approved pattern(0.23 mm thickness and 30 mm gap) below canopy ceiling at city side of terminal building for preventing bird entry with the help of nylon thread properly levelled and tied in the existing canopy truss and covering the edge complete all as per the direction of engineer in charge (only plan area will be measured).	Sqm	50.49
93	Making holes diameter upto 80mm in floors using core cutting machine upto a depth of 300mm ,including clearing of site etc complete all as per the direction of engineer in charge	Each	1070.36
94	Making holes of diameter 100mm in floors using core cutting machine upto a depth of 300mm ,including clearing of site etc complete all as per the direction of engineer in charge	Each	1274.24
95	Making holes of diameter 125mm in floors using core cutting machine upto a depth of 300mm ,including clearing of site etc complete all as per the direction of engineer in charge	Each	1631.01
96	Making holes of diameter 200mm in floors using core cutting machine upto a depth of 300mm ,including clearing of site etc complete all as per the direction of engineer in charge	Each	2140.71
97	Maintenance of electrical/electronics sensor controlled sanitary fittings/flush valves as detailed below in the toilets of NITB on day to day basis by attending the complaints with replacement of all spares and overhauling the system to make it serviceable without interrupting the passenger facility with minimum 4 four number of visits by Skilled Technicianetc complete all as per the direction of Engineer-in-charge. (a) Wash basin E-taps 145 Nos (b) Urinal with built in sensors 87 Nos (c)Concealed flush valves 119 nos The number of items shown above are tentative and can vary in minor limits. However nothing extra shall be paid or deduct for such minor variation.	Month	18348.94
98	Pruning of trees in operational area /carpark and other locations of airport obstructing free movement of traffic including keeping watch and ward while cutting branches,providing guiding rope for directing falling of branches and disposal of cut branches to dumping site within 1 km lead without affecting operation of airport etc complete as directed by the engineer -in- charge.:Branches above 2.5m height from ground level and girth upto 60cm.	Each	1783.93

99	Ploughing Soft Ground Arrester (SGA) of 15cm thickness in RESA of runway 06 / 24 with tractor mounted ploughing machine during non- operational time without damaging cable as directed by the Engineer in charge.	Sqm	0.91
100	Testing of potable water/water sample from approved laboratory as per IS code including taking sample from the designated source bringing and submission of sample to laboratory complete as per direction of engineer-in- charge .(a) Testing of Potable (Drinking) water	Per Sample	2110.13
101	Supplying of drinking water buying water from Kerala state water authority, etc complete all as per the direction of engineer in charge.	KL	178.39
IV	PART IV SUPPLY OF MANPOWER (Quoted Percentage Not Applicable)		
1	Deploying the man power on all days (Plumber 3 nos. - 3 shift/day one plumber per shift) and a helper for assisting plumber and doing minor horticulture works like watering of potted plants on regular basis, maintaining nursery etc on calendar month basis with necessary tools and takes for carrying out routine inspection preventive/ corrective maintenance ,attending day to day complaints with required tools, etc like repair of tap leakages, block removal of wash basin/sink/gully traps/manholes/storm water drain/rain water pipes, and any other small petty/urgent works as directed by Engineer-in-charge.	Month	104641.86
2	Engaging manpower wherever required for miscellaneous emergency civil work as per the direction of Engineer in charge. Skilled	Each	1108.60
3	Engaging manpower wherever required for miscellaneous emergency civil work as per the direction of Engineer in charge. Un Skilled	Each	967.82


JT.GENERAL MANAGER ENGG(C)-II

N.O.O

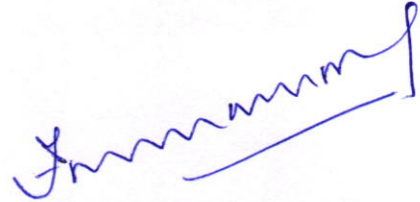
Copy to:

Internal

1. Airport Director, AAI, Trivandrum Airport
2. Jt. GM(E-C) -I & II
3. AGM (Engg -Civil), Circle-I & II, AAI, Trivandrum Airport
4. ME (C)
5. Dy. Gen. Manager (F&A), AAI, Trivandrum Airport
6. Work File

External

1. GM(ENGG-Civil)/S/R, AAI, Chennai Airport
2. Jt.GM/DGM (Vigilance), AAI, Southern Region, Chennai Airport, Chennai
3. Income Tax Officer,(TDS),Income Tax Department, Ayakar Bhavan,Kowdiar,Tvm-695003.
4. Supdt. Of Central Excise, Service tax range, GPO Line, Tvm-1
5. Asst.Labour Commissioner, Ministry of Labour, Govt. of India,Trivandrum-1
6. Labour Enforcement Officer, Ministry of Labour, Govt. of India, Trivandrum-1.
7. Commissioner of Sales Tax, Peroorkada, Trivandrum.
8. Employees Provident fund organization, Ministry of labour,Govt. of India, Regional office, Kerala BhavishyaNidhiBhavan, Pattom,Tvm-04



Jt. GEN. MANAGER ENGG (C)-II,

Signature Not Verified

Digitally signed by D JAMES
Date: 2021.06.29 16:00:52 IST
Location: eProcurement System for Central PSUs