



भारतीय विमानपत्तन प्राधिकरण

AIRPORTS AUTHORITY OF INDIA

No. AAM/CMD/901/A/5/2020/ 205

Date: 15/12/2020

To,

M/s. Tarmat Limited
General A.K Vaidya Marg,
Near Wageshwari Maindir,
Off Film City Road, Malad (East),
Mumbai – 400 097

Sub : Maintenance and Repairs to Runways, Taxiways & Apron, Ancillary buildings, Fencing & Security and Sewerage & Drainage at Chennai Airport, Chennai during the year 2020-21 & 2021-22 (Percentage rate tender)

Ref : (i) Your e-Tender dated 14/11/2020
(ii) e-Tender Ref. No.AAI/CHN/CMD-I/2020/010, dated:06/11/2020

* * *

Dear Sir,

1. Your e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the percentage rate quoted by you totaling to Rs.6,43,39,889/- (Rupees six crore forty three lakh thirty nine thousand eight hundred eighty nine only) excluding GST which is 21.0% (Twenty One Decimal Zero Percent) below the estimated cost put to tender of Rs.8,14,42,898/- (excluding GST)
2. Jt. General Manager (Engg-Str/Civil), CMD, Operational Office, Airports Authority of India, Chennai Airport, Chennai – 600 016, shall be the Engineer-In- Charge of the work. You are requested to attend the office of Jt. General Manager (Engg-Str/Civil), CMD, Operational Office, Airports Authority of India, Chennai Airport, Chennai – 600 016, by 08/01/2021 to sign and complete the Contract Agreement. The Contract Agreement shall be executed on a Non-Judicial Stamp Paper of value Rs.100/- (Rupees One Hundred Only) and the cost of the Stamp Paper shall be borne by you.
3. The Earnest Money amount of Rs.16,28,858/- (Rupees sixteen lakh twenty eight thousand eight hundred fifty eight only) received in the form of NEFT along with your tender will be treated and converted as part of Security Deposit as per Clause No.1A on Page 16 of the contract document. Please deposit Rs.15,88,136/- (Rupees fifteen lakh eighty eight thousand one hundred thirty six only) towards balance amount of Security Deposit within 10 days from the date of issue of this letter, failing which, the same will be deducted as per condition of Clause No.1A on Page 16 of the Contract Document.

2.

Contd..... (2)

फैक्स : 044 - 2256 0008 इ पी ए बी एक्स : 2256 0551, चेन्नई हवाईअड्डा, चेन्नई - 600 016.

Fax : 044 - 2256 0008 EPABX : 2256 0551, Chennai Airport, Chennai - 600 016.



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AIRPORTS AUTHORITY OF INDIA

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4. Within 30 days of issue of acceptance letter, you shall submit to AAI, a Performance Guarantee as per conditions of Clause No.1 on Page 15 for an amount of Rs.32,16,994/- (Rupees thirty two lakh sixteen thousand nine hundred ninety four only) in the form of Bank Guarantee on the Proforma appended at Appendix – XI on Page No. 108 & 109 of Contract Document.
5. You are requested to comply with the Provision of Contract Labour (Regulation & Abolition) Act 1970 and Contract Labour (Regulation and Abolition) Central rules 1971 Child Labour (Prohibition & Regulation) Act 1986, Construction Workers (Regulation of Employment and Condition of Service) Act 1996, Building and other Construction Workers Welfare Cess Act 1996 as specified in Clause 19 to 20 on Page No.49 to 55 of GCC of tender and rules of Central and State Government.
6. You are also directed to contact Asst. General Manager (Engg – Civil), CMD-I, Operational Office, Airports Authority of India, Chennai Airport, Chennai - 600 016, 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 (including 02 months considered for rain of monsoon season) and same shall be reckoned from the 10th day from the date of issue of this letter.
8. Any further correspondence in connection with the contract should normally be addressed to the Engineer-In-Charge.
9. Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after signing it to the undersigned as a token of acceptance.

Encl:

- i. Copy of Percentage Rate BOQ (One page)
- ii. Copy of SOQ enclosed

Yours faithfully,


15/12/2020
(R. Sreenivasan)

Jt. General Manager (Engg-Str/Civil)
CMD, Chennai Airport
For and on behalf of the Chairman,
Airports Authority of India.

फैक्स : 044 - 2256 0008 इ पी ए बी एक्स : 2256 0551, चेन्नई हवाईअड्डा, चेन्नई - 600 016,

Fax : 044 - 2256 0008 EPABX : 2256 0551, Chennai Airport, Chennai - 600 016.

N.O.O

Copy forwarded in favour of information

1. The Income Tax Officer (TDS)
No.19 - A, Siva Shanmugam Road,
West Tambaram, Chennai – 600 045.
2. The Labour Enforcement Officer (C) – I,
Govt. of India, Shastri Bhavan,
35, Haddows Road, Chennai – 600 006.
3. The Asst. Commissioner, Commercial Tax Office,
No. 17, Loganathan 2nd Street, Choolaimedu, Chennai-600 094.
4. The Regional Director, Employee's State Insurance Corporation,
143, Sterling road, Nungambakkam, Chennai – 600 034.
5. The Regional Provident Fund Commissioner,
Municipal Building, Rajaji Salai, Tambaram, Chennai – 600 045.
6. The Dy. Airport Director-II, AAI, Chennai Airport, Chennai – 16.
7. The General Manager [Engg-Civil], AAI, Chennai Airport, Chennai – 16.
8. The General Manager [Engg-Elect] Maintenance, AAI, Chennai Airport, Chennai – 16.
9. The General Manager [F&A], AAI, Chennai Airport, Chennai – 16.
10. The Jt. General Manager [Vig.], AAI, Chennai Airport, Chennai – 16 - Along with schedule
of quantities
11. The Jt. General Manager [Electronics], AAI, Chennai Airport, Chennai – 16.
12. The Commandant, CISF, Airport Security & Anti-Hijacking, Chennai Airport, Chennai-16.
13. Shri. A. Ezhilarasan, AGM (Engg-Civil), Chennai Airport, Chennai-16 - Along with schedule
of quantities
14. The Asstt. General. Manager [E-C]- II, III, AAI, Chennai Airport, Chennai – 16.
15. P.A. to Airport Director, AAI, Chennai Airport
16. Drawing Branch (Engg.), CMD
17. Dealing Assistant, CMD-I
18. Agreement – Two copies

- sd -

(R. Sreenivasan)
Jt. General Manager (Engg-Str/Civil)
Chennai Airport

SCHEDULE OF QUANTITIES

**Name of Work: Maintenance and Repairs to Runways, Taxiways, Apron, Ancillary buildings
Fencing & Security and Sewerage & Drainage at Chennai Airport, Chennai
during the year 2020-21 & 2021-22 (Percentage rate tender)**

Item No	Description of Item	Unit	Rate Rs. Ps.
<u>PART- I - Schedule DSR 2018</u>			
DSR 2018 Item code	All DSR 2018 schedule items excluding Item No. 6.1, 6.4 & 6.13 of Sub Head No.6 (Brick work) with upto date correction slips	DSR 2018 Units	DSR 2018 schedule rates
<u>PART- II - Additional Miscellaneous Items</u>			
Item No	Description of Item	Unit	Rate 'AT PAR' with DSR 2018
1	Repairs and maintenance of bituminous works Cutting the existing bituminous layer in Runways/Apron/Taxiways etc in patches of required width and depth by deploying milling machines with attachments of conveyor belt system including disposal of dismantled materials by mechanical transport for a lead of 2 Kms including cleaning and dressing of the surfaces etc complete as per the direction of Engineer-in-charge. (excluding the cost of general cleaning considered under tack coat item)	cum	5363.05
2	Demolishing of Bituminous Concrete in air field pavement with compressor and jack hammer and including disposal of dismantled materials within 50 meters lead and as per the direction of Engineer-in-charge	Cum	1494.65
3	Providing and laying of Hot Mix Dense Bituminous Macadam (DBM) using crushed stone aggregate of quality, size and grading as specified and 2% cement by weight of aggregates as filler of quality 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 95 kg/m3 of mix supplied in bulk produced by Govt. Refineries and 2% cement by weight of aggregates as filler material].	cum	7955.55

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Item No	Description of Item	Unit	Rate 'AT PAR' with DSR 2018
4	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 filler of quality 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 compaction, strength, surface accuracy complete [for tendering purpose VG bitumen of grade VG-30 content shall be taken as 114 kg/m3 of mix supplied in bulk produced by Govt. Refineries and 2% cement by weight of aggregates as filler material].	cum	8313.40
5	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 filler of quality 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].	cum	9064.65
	Note for Item No. 3, 4, & 5: No bitumen shall be issued by Airports Authority of India and the contractor will make his own arrangement and quote the rates accordingly. Contractors while quoting the rates for the bituminous items may assume the rate of Rs.31640.00 (Rupees thirty one thousand six hundred and forty only) Per MT for VG-30 bulk Bitumen at the refinery delivery point. Any variation in prices of materials after receipt of tender shall be paid as per clause 10CA of conditions of contract. The cost of bitumen will therefore, not qualify for payment of escalation under clause 10(CC). The bitumen shall be treated as material issued by the department at fixed rate.		
6	Painting of Marking - Manually Painting of Runway/Taxiway/Apron marking with adequate number of coats to give uniform finishing with water base marking paint for the area not covered by painting machine including cleaning the surface dirt, foreign materials, lining out and carriage of paint from AAI stores to site of work etc. complete and as per the direction of Engineer - in - Charge. (Required quantity of paint shall be supplied departmentally free of cost)	sqm	108.55
6b	b) Old work (One or more coats)	sqm	71.80

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Item No	Description of Item	Unit	Rate 'AT PAR' with DSR 2018
7a	Painting of surface marking with water base marking paint including cleaning the surface dirt, foreign materials, lining out and carriage of paint from AAI stores etc. complete and as per the direction of Engineer - in - Charge. (Required quantity of paint shall be supplied departmentally free of cost) a) New work (Two or more coats)	sqm	83.50
7b	b) Old work (One or more coats)	sqm	44.65
8	Lettering of Runway/Taxiway/Apron and operational areas with adequate number of coats with water base marking paint including cleaning the surface dirt, foreign materials, lining out and carriage of paint from AAI stores etc. complete and as per the direction of Engineer - in - Charge. (Required quantity of paint shall be supplied departmentally free of cost) a) New work (Two or more coats)	Per letter per cm height	5.10
9	Re-lettering of Runway/Taxiway/Apron and operational areas with adequate number of coats with water base marking paint including cleaning the surface dirt, foreign materials, lining out and carriage of paint from AAI stores etc. complete and as per the direction of Engineer - in - Charge. (Required quantity of paint shall be supplied departmentally free of cost) b) Old work (One or more coats)	Per letter per cm height	3.20
10	Removing the existing Runway marking paint layer on Runway centre line, without damaging the bituminous surface by using required tools such as chisel, cowbar, hammer etc., during NOTAM period of Runway i/c cleaning the affected area and disposal of the unserviceable materials upto a lead of 200m etc complete and as per the direction of engineer in charge a) Average thickness of paint layer upto 10mm	sqm	278.50
11	Grading and Leveling in operational area Clearing of bushes including cutting and filling the earth, debris, building rubbish, dismantled PQC concrete blocks, old bituminous mix etc., wherever required to grade the surfaces with the undulations of various depths (Unsusceptible for measurements), as per the desired finished level by deploying necessary machineries such as poclain, Mechanical grader, JCB excavator, Tipper etc., including cartage of earth, debris, building rubbish, dismantled PQC concrete blocks, old bituminous mix etc., within the grading portion all complete as per the direction of Engineer-in-charge.	sqm	6.25
12	Consolidation of graded and leveled top surface with power road roller of 8 to 12 tonne capacity etc complete as per the direction of Engineer -in- charge.	sqm	3.00

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Item No	Description of Item	Unit	Rate 'AT PAR' with DSR 2018
13	Ploughing the RESA area sand surface to a depth of 150mm with tractor attached tiller/Rotavator including removal of vegetation and complete as per the direction of Engineer-in-charge NOTE: The item inclusive of transporting the tractor with tiller to site, Driver charge, Diesel and oil charges etc complete.	sqm	2.05
14a	Repairs & replacement of sealant in joints in Apron & Taxiway Providing and laying in position with polysulphide(pouring grade) sealant type FB conforming to BS-5212-1990 of approved brand in expansion/ construction/ dummy joints including painting the contact surface of the joints with polysulphide primer of approved brand, over and including expanded polyethylene armour rod in expansion/ construction/ dummy joints.etc complete as per direction of engineer in Charge.(For payment only polysulphide quantity to be considered) a) Expansion joints 25mm wide x 10mm deep over 30mm dia expanded polyethylene armour rod	cu.cm	1.15
14b	b) Construction joints 12mm wide x 13mm deep over 15mm dia expanded polythene armour rod (Total depth from the bottom of polyethylene rod to the top of joint will be 28mm)	cu.cm	1.10
14c	c) Dummy joints 8 mm x 13 mm deep over 10 mm dia expanded polyethylene armour rod (Total depth from the bottom of polyethylene to the top of joint will be 24mm)	cu.cm	1.35
15	Removing the existing sealing compound and widening of construction joint 10mm to 12mm width of rigid pavement by using joint cutting machine upto a depth of 31mm with cutting blade of appropriate size to make straight and smooth edge and removal of rubbish, grit etc using suitable tools including Air compressor cleaning concrete slurry by washing etc complete as directed by the Engineer in charge.	metre	100.10
16	Removal of existing sealing compound and widening of dummy joint 6mm to 8mm width of rigid pavement by using joint cutting machine upto a depth of 26mm with cutting blade of appropriate size to make straight and smooth edge and removal of rubbish, grit etc using suitable tools including Air compressor, cleaning concrete slurry by washing etc complete as directed by the Engineer in charge.	metre	94.55
17	Removal of existing sealing compound, expansion pad, rubbish, grit etc from the grooves of existing expansion joint of rigid pavement upto a depth of 45mm with suitable tools including air compressor to remove the loose particles, dust etc complete as directed by the Engineer in charge.	metre	99.85

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Item No	Description of Item	Unit	Rate 'AT PAR' with DSR 2018
18	Repairs to damaged cement concrete pavements using epoxy mortar or Araldite grouting system (flowable) 100: 50 :400 (100 parts by weight of Araldite GY 257 : 50 parts by weight of Aradur 840 Hardener and 400 parts by weight of quartz sand mix no. 10 with necessary primer of 100:50 (100 parts by weight of Araldite GY257 and 50 parts by weight of Aradur 840) coverage 4.0 sqm per kg of mix and two top coats in ratio 100:50:15 (100 parts by weight of Araldite GY 250:45 parts by weight of Aradur 830 Hardner :15 parts by weight an Aradur 850 Hardener) as per manufacturer's specifications including cutting concrete as directed by the Engineer-in-charge to the required width and depth (as per drawing) using electrically operated concrete cutting machine, chipping and levelling bottom, cleaning and removing all loose particles, greese, dust, rubbish and any other foreign materials with necessary liquids and final cleaning with heavy compressor etc complete and protecting the area with barricades wherever necessary till operation as directed by the Engineer - in - charge	cu.cm	0.65
19	Repairs to damaged cement concrete pavements using epoxy mortar with necessary primer including cutting the concrete surface to the required width and depth (as per drawing) using electrically operated concrete cutting machine, chipping and levelling bottom, cleaning and removing all loose particles, greese, dust, rubbish and any other foreign materials with necessary liquids and final cleaning with heavy duty compressor, and protecting the area with barricades wherever necessary till it ready for operation etc complete and as directed by the Engineer - in - charge.	cu.cm	0.40
20	Signage boards in operational area Manufacturing, supplying and fixing retro reflective signage boards (cautionary, mandatory, informatory, Gantry, cantilever and shoulder mounted) made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity and encapsulated lens type heat activated retro reflective sheeting wide angle, cube corner, micro prismatic grade conforming to IRC 67.2010 and type XI standards of ASTM-D-4956-09 as approved by Engineer-in-charge, letters, borders etc. in approved colour scheme and with high intensity grade, pasted on substrate by pressure sensitive adhesive backing which shall be activated by applying pressure conforming to class II of ASTM-D-4956-01 and fixing the same to the plate of structural frame work by means of suitable sized aluminium alloys, rivets or bolts & nuts @ 300 mm centre to centre all along the periphery as well as in two vertical rows along with theft resistant measures, including the cost of	sqm	6995.05

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Item No	Description of Item	Unit	Rate 'AT PAR' with DSR 2018
	painting with two or more coats of epoxy paint in grey colour on the back side of aluminium sheet including appropriate priming coat. The rate includes the cost of rounding off the corners, lowering down the structural frame work from the gantry, fixing and erecting the same in position all complete as per drawings, specification and direction of the engineer-in-charge.(Structural frame work including M.S. plate to be provided separately. Rectangular area of the sheet only shall be measured for payment). Note: An authorization letter from the Retro Reflective Sheet manufacture and 3 years outdoor weather exposure certificate (as per IRC 67-2010 for Retro Reflective sheeting from the original sheeting manufacturer is to be produced during the bid.		
21	Erection of Retro reflective board in coordinate boards mounted in apron parking bays with necessary screws and required labour as per requirement as per the direction of Engineer in Charge.	sqm	1274.25
22a	Ancillary Buildings in operational area Brick work with common burnt clay bricks of class designation 5.0 in foundation and plinth in: a) Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	8456.90
22b	b) Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	8208.40
23a	Brick work with common burnt clay bricks of class designation 5.0 in superstructure above plinth level up to floor V level in all shapes and sizes in : a) Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	10014.25
23b	b) Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	9765.80
24	Half brick masonry with common burnt clay bricks of class designation 5.0 in superstructure above plinth level up to floor V level. a) Cement mortar 1:4 (1 cement : 4 coarse sand)	sqm	1187.90
25	Supplying and filling with quarry dust under floors including watering, ramming, consolidating and dressing complete	cum	1529.05
26	Providing and fixing 3mm thick aluminium composite panel of approved colour and shade [0.25mm+2.50mm+0.25mm] manufactured by reputed manufacturer like Alstrong/Almaster/or equivalent make of approved brand. The composite panel should be made of 2.5mm thick, 100% virgin and non-toxic polyethylene core sandwiched between two skins of 0.25mm thick aluminium sheet of which one side is having three layers of PVDF coating 23 to 26 microns and other side is service coated with Epoxy paint of approved colour/mill finish. The panel should be sandwiched with Dupont (US) adhesive or adhesive film or equivalent in cladding of walls, columns and other partitions including, straightening, cutting	sqm	2036.90

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Item No	Description of Item	Unit	Rate 'AT PAR' with DSR 2018
	and bending/growing, fixing with necessary adhesive, 3M tape wherever required and screws in approved design and patterns with necessary silicon sealant at all joints and junctions etc. complete as per the architectural drawings and as directed by Engineer in charge.		
27	Providing and fixing homogeneous polyvinyl chloride sheet (vinyl flooring) flooring and skirting with rubber based adhesives of approved quality and manufacturer like Dunlop S-758, Fevicol SR 998 or equivalent of approved pattern and colour including rolling with light wooden roller weighing about 5 kg. after cleaning the surface, etc complete as directed by the Engineer-in- charge. a) 1.6mm thick plain sheet	sqm	719.80
28	Providing and fixing 10mm thick densified tegular edged eco friendly light weight calcium silicate tiles of approved texture of size 595x595mm in true horizontal level (RAMCO-HILUX or equivalent) as replacement of damaged tiles with existing frame etc., complete and as per the direction of Engineer-in-charge. (Frame work will be paid separately)	sqm	467.55
29a	Providing and fixing plywood plain lining on existing wall/wooden frame work with necessary screws with complete and as per the directions of Engineer-in-charge. a) 6mm thick	sqm	866.35
29b	b) 12mm thick	sqm	1047.40
30	Providing and fixing heavy duty Dorma Model No. TS 68 door closer or equivalent make with necessary screws /nuts & bolts, etc complete as per the direction of Engineer-in-charge.	each	2661.55
31	Repairs to R.C.C exposed surface by using epoxy bonding agent with necessary base priming coat as per manufacturer specification, cerachem private ltd or equivalent including chipping and removal of existing mortar, foreign materials etc and making good the same upto a level of 20mtrs height from ground level/floor level and disposal of rubbish within 50m lead as per the direction of engineer-in-charge.	sqm	5588.75
32	Supplying and fixing non-reflective sun control film having minimum thickness 25microns of approved shade and colour (Garware or equivalent) including cleaning the surface and removal of old film, etc., complete and as per the direction of Engineer-in-charge. (The existing damaged sun control film should be removed and cleaning to be done before fixing new sun control film)	sqm	1056.90
33a	Providing and fixing computer vinyl stickers, letter of approved color and shade of any language etc complete all as per the direction of Engineer-in-charge. a) Non-Reflective type	Sqm	3594.35
33b	b) Reflective type	sqm	3594.35

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Item No	Description of Item	Unit	Rate 'AT PAR' with DSR 2018
34	Cleaning of over head water tank using bleaching powder, soap etc including bailing out water complete as per the Direction of Engineer-in-charge.	litre	0.50
35	Supplying of polypropylene woven sand bag and filling it with sand / M-sand of 0.03 cum and stitching the bag and placing in position etc all complete as per the direction of Engineer -in- charge.	Per bag	92.10
36	Cleaning of underground water storage tank, sump etc and disinfecting using materials such as bleaching powder etc., including removal of sludge, silt, deposited on floor bed, fungus, alga grown on walls and floor bed etc for a lift upto 2m and disposal of rubbish upto a lead of 50m and re-writing the cleaning schedule on the display etc complete as per the direction of Engineer-in-charge. a) 100000 lit capacity tank	each	12668.35
37a	Providing and fixing PVC pipe 6 kg/sqcm of BIS mark including all fittings/specials, fixing clamps, jointing of pipes & fittings with suitable solvent etc., complete as per direction of Engineer in Charge. a) PVC pipe - 20mm dia	metre	245.00
37b	b) PVC pipe - 32mm dia	metre	332.75
37c	c) PVC pipe - 40mm dia	metre	425.70
37d	d) PVC pipe - 75mm dia	metre	497.20
38	Providing and fixing on wall face HDPE rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. a) 150 mm diameter	metre	1253.50
39	Providing and fixing CP waste coupling 32mm dia of Parryware Model No: T9954A1 or equivalent for urinals including removing of damaged waste coupling etc complete and as per the direction of Engineer-in-charge.	each	436.55
40	Providing and fixing CP waste coupling 32mm dia of Parryware Model No: T9954A1 or equivalent for wash basin including removing of damaged waste coupling etc complete and as per the direction of Engineer-in-charge.	each	436.55
41	Providing and fixing urinal spreader of heavy duty CP brass spreader of ISI mark including CP connection pipe with check nut and CP brass elbow 15mm, CP brass flange of approved make, including removing damaged set etc as directed by Engineer-in-charge	each	864.55
42	Providing and fixing CP brass bib cock of Parryare make or equivalent conforming to IS standard as per the direction of Engineer-in-charge. a) 15mm nominal bore	each	722.25

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Item No	Description of Item	Unit	Rate 'AT PAR' with DSR 2018
43	Providing and fixing C.P pillar cock Parryware make or equivalent for washbasin etc complete and as per the direction of engineer-in- charge	each	758.30
44	Providing and fixing CP coat hook of Jaquar make or equivalent etc complete as per the direction of Engineer-in-charge	each	534.80
45	Providing and fixing PVC connection hose for wash basin etc complete and as per the direction of engineer-in- charge a) 60cm length	each	140.15
46	Providing and fixing CP brass angle valve for wash basin / health faucet of Parryware make or equivalent etc complete as per the direction of Engineer-in-charge.	each	436.25
47	Providing and fixing 32mm CP brass bottle trap Jaguar code ALD - 769 for wash basin including necessary screws etc complete as directed by Engineer-in-charge	each	1624.00
48	Providing and fixing heavy duty square/round SS gratings, 100mm dia of openable type with hinges as per the direction of Engineer-in-charge.	each	106.70
49a	Supplying the following sanitary, plumbing, hardware materials/ fixtures complete and as per the direction of Engineer-in-charge. a) 2-way bib cock Parryware make model no.G0234A1TTPJ	each	999.75
49b	b) Pressmatic pillar cock Jaquar make PRS 031	each	2112.05
49c	c) Health faucet Parryware make T9940A1HFSP	each	582.60
49d	d) Acrylic transparent press type Liquid soap container (500-600ml) of approved make	each	700.50
50	Extra for carriage of building materials by mechanical transport without loading and unloading for every additional lead of 1km etc complete and as per the directions of Engineer -in- charge.	cum	25.05
51	Deployment of Pociain Excavator 3D (200 to 210 HP capacity) on hire for clearing of blockages, vegetation and bushes levelling of undulated ground removing heap of earth wherever required etc unsusceptible to measurement complete as per direction of Engineer -in- charge.	Per day	11468.05
52	Deployment of Backhoe loader / JCB (1 cum bucket capacity / 30 cum/hr) on hire for clearing of vegetation and bushes removal of debris and heaps of earth / levelling of undulated ground wherever required etc unsusceptible to measurement complete as per direction of Engineer -in- charge.	Per day	7645.35
53a	Supply of machineries on hire for works wherever required etc unsusceptible to measurement along with operator, fuel, etc complete as directed by the Engineer-in-charge. a) Tipper (9 Ton)	Per day	9301.85
53b	b) Welding machine of required capacity	Per day	1274.25
53c	c) Generator - 5 KV capacity	Per day	1083.10

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Item No	Description of Item	Unit	Rate 'AT PAR' with DSR 2018
53d	d) Tractor with trailer unit, 3 cum capacity	Per day	1274.25
54	De-silting of Adyar river bed below the bridge of Secondary Runway Desilting of Adayar river upto bed level below the secondary runway by removing all types of obstructions for free flow of water i/c. Removal of vegetation, floated material, rubbish, sludge, debris, silt, heaps of earth etc over surface/ under water and transporting and banking the same upto the lead of 1.0 km by mechanical transport along the banks of Adayar river complete as per direction of Engg-in-charge.	cum	231.15
55	De-silting of drains in operational area Desilting of open/covered drains, box culverts etc by removing all types of obstruction for free flow of water including removal of vegetation floated materials, rubbish, sludge, debris, silt etc in foul condition and stacking the same at specified location including necessary cleaning of vegetation along side drain chambers and removing & replacing of existing RCC slabs wherever required etc., complete as per the directions of Engineer in charge (Drain includes open and covered drain with or without chamber) a) Drain more than 1.5sqm cross section area (only running meter length of drain cleaned to be measured for payment purpose)	metre	164.45
56	De-silting of open/covered drains, box culverts etc by removing all types of obstruction for free flow of water including removal of vegetation floated materials, rubbish, sludge, debris, silt etc in foul condition and stacking the same at specified location including necessary cleaning of vegetation along side drain chambers and removing & replacing of existing RCC slabs wherever required etc., complete as per the directions of Engineer in charge (Drain includes open and covered drain with or without chamber) b) Drain upto 1.5sqm cross section area (only running meter length of drain cleaned to be measured for payment purpose)	metre	123.75
57	Providing and fixing Hexagonal polymer mesh of 25mmx25mm size on existing steel frame over drain i/c. necessary fixtures complete as per direction of Engg-in-charge.	sqm	132.05
58	Security Compound wall Supply of Re-inforced punched Babe Tape (PBTR) of Hot Dip Galvanised concertina coil with the following specifications: a) 1050mm dia (packed) i) No. of circles = 50 Gauge of ribbon tape = 0.50mm + 0.02mm Width of ribbon = 12mm Stretchable length of coil - 6RM of 950mm dia when placed No. of SS clips to be fixed = 100-104 Nos Average weight of coil = 15.00kg (excluding packing material) Galvanised thickness - minimum 6 microns Full single length of coil - 165 metres.	kg	126.00



Item No	Description of Item	Unit	Rate 'AT PAR' with DSR 2018
59	Removing the existing damaged / worn out concertina coil & guide wire and fixing of Re-inforced Punched Babe Tape (PBTR) of Hot Dip galvanised concertina coil over the existing compound wall including necessary GI guide wire of thickness 2.59 mm etc complete and as per the direction of Engineer -in- charge. (Concertina coil will be supplied by the department at free of cost)	kg	130.80
60	Removing and repositioning damaged/displaced concertina coil i/c. Straightening the existing G.I guide wire and binding the links of core where ever required with binding wire etc. Complete as per direction of Engg-in-charge.	kg	49.75
61	Providing and fixing GI chain link of 10 gauge (3mm) 2" x 2" aperture and fixing the same in between angle iron post over compound wall etc, with G.I binding wire of 18 gauge, bolts and nuts etc., complete as per the direction of Engineer-in-charge.	sqm	681.15
62	Providing and fixing of G.I barbed wire of 9.38 kg per 100 metre, fitted between two posts and fixed with "U" or "J" bolts, clips etc complete as per the directions of Engineer-in-charge.	metres	12.00
63	Credit for taking away the damaged / worn out galvanised concertina coil and guide wires on payment to AAI etc complete as per the directions of Engineer-in-charge.	kg	-6.40
64	Supplying potable water through mobile tankers to underground tanks at Airport premises i/c cost of water, transportation, etc., complete as per the direction of Engineer-in-charge	litre	0.30
65a	Labour supply Supply of labours for works and unsuceptible to measurement as and when required including necessary tools: Note: A man day implies engaging one labour for 8 hours shift. a) Mason (1st class)	man day	1130.55
65b	b) Carpenter / Fitter / Aluminium fabricator (1st class) / Welder	man day	1130.55
65c	c) Plumber	man day	1130.55
65d	d) Sewerman	man day	1130.55
65e	e) Painter	man day	1039.60
65f	f) Beldar (Helper)	man day	854.95
65g	g) Mate	Man day	945.90

Q.D-

Percentage Bidding

Tender Inviting Authority:

Asst. General Manager, (Engg-Civil), CMD-1 Operational Office, Airports Authority of India, Chennai Airport, Chennai-600 016

Name of Work:

Maintenance and Repairs to Runways, Taxiways, Apron, Ancillary buildings Fencing & Security and Sewerage & Drainage at Chennai Airport, Chennai during the year 2020-21 & 2021-22 (Percentage rate)

Contract No: AA/CHN/CMD-1/2020/010

AA/CHN/CMD-1/2020/010

Name of the Bidder/
Bidding Firm /
Company :

TARMAT LIMITED

PRICE SCHEDULE

1. The bidder has to quote the percentage above or below the rates of Schedule "A" items (Part-I & Part-II) considering Schedule "A" rates (Part-I & Part-II) as base 100 percent. The bidder shall put the cursor on select option and choose. Excess or less percentage to be quoted by him on base percent of 100.
2. This BOD template must not be modified / replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the bidder name and values only.
3. CONTRACTORS QUOTED PERCENTAGE WILL NOT BE APPLICABLE ON SCHEDULE "A" PART-II ITEM NO. 65(a) to 65 (g). FULL RATE AS MENTIONED AGAINST LABOUR ITEM SHALL BE PAID TO THE CONTRACTOR.

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Base in Percentage	Net Percentage	TOTAL AMOUNT In Words	
1	2	3	4	5	6	7	
1	CIVIL WORKS						
1.01	Rates applicable for Delhi Schedule of Rates 2018 (Part-I) + Rates applicable for Additional Miscellaneous Items (Part - II) from 01 to 65 [Except Item No. 65 (a) to 65(h)] of the Tender Document Percentage considered as base 100 The payable rate of items available in DSR 2018 and Additional Miscellaneous Items shall be worked out by multiplying the basic rates with the percentage quoted by the bidder	1,000 Job		100.00	100.00	INR One Hundred Only	
Total in Figures					100.00	INR One Hundred Only	
Quoted Rate in Figures			Less (-)	21.00%	79.00	INR Seventy Nine Only	
Quoted Rate in Words			INR Seventy Nine Only				

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