



भारतीय विमानपत्तन प्राधिकरण
AIRPORTS AUTHORITY OF INDIA
TRICHY AIRPORT



No: AAI/SR/TRY/PROJ/FS PAVEMENT/WO/2023-24/980

Date: 18-05-2023

To

M/s. S.Bharathi,
15, Valluvar Nagar,
East West 1st Street,
Velayuthampalayam,
Karur – 639 117.
Email: sathatnpl2007@gmail.com
Mobile: +91 99448 84466.

Name of Work: Construction and Overlay of existing concrete pavement at Fire Station including construction of Approach Road at Trichy Airport, Trichy.
(Tender ID: 2023_AAI_146445_1).

Ref

1. Your e-tender (Financial Bid) opened through CPP portal on 05-04-2023.
2. Your office letter no. NIL dated 24-04-2023 regarding Negotiation.

Dear Sir(s),

1. Your item rate e-tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at your negotiated quoted amount totalling to **Rs. 1,72,98,906.87/- (Rupees One Crore Seventy Two Lakhs Ninety Eight Thousand and Nine Hundred and Six Paise Eighty Seven only) (Exclusive of GST)** (After rebate of 11.5% on quoted amount) which is 5.02% above the estimated cost put to tender of Rs. 1,64,71,809.00/- (Rupees One Crore and Sixty Four Lakhs Seventy One Thousand Eight Hundred and Nine only) (Exclusive of GST).
2. Joint General Manager (Engg-Str./Civil) Project, Airports Authority of India, Trichy International Airport, Trichy – 620007 shall be the Engineer-In-Charge of the work. You are requested to attend the office of Joint General Manager (Engg-Str./Civil)- Project by 10-06-2023 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. Please deposit Rs.17,29,891.00/- (Rupees Seventeen Lakhs Twenty Nine Thousand Eight Hundred and Ninety One Only) towards 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 1 A of Contract on Page No.69 of Tender document.
4. You are requested to comply with the provisions 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 GCC clause 19 at page-102 of contract document and rules of Central and State Governments.



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TRICHY AIRPORT



5. You are also directed to contact Joint General Manager (Engg- Str./Civil)- Project, Airports Authority of India, Trichy International Airport, Trichy- 620 007 immediately who will arrange to handover the site to you.
6. Please note that the time allowed for carrying out the work shall be 06 (Six) months only and same shall be reckoned from the 10th day of issue of this letter.
7. Any further correspondence in connection with contract should normally be addressed to the Engineer-In-Charge.
8. 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.

Yours faithfully,

R.S. 18/05/2023 .

(R.Sreenivasan)

Jt.GM (Engg-Str./Civil)- Project,
For and Behalf of Chairman,
Airports Authority of India.

Item Rate BoQ

Tender Inviting Authority: Assistant General Manager (Engg-Civil), AAI, Trichy International Airport, Trichy - 620 007.

Name of Work: Construction and overlay of existing concrete pavement at Fire Station including construction of Approach road at Trichy Airport, Trichy

Contract No: Tender Ref No: AAI/TRY/PROJ/FS PAVEMENT/22-23, Tender ID : 2023_AAI_146445_1

Name of the Bidder/ Bidding Firm / Company :	S.Bharathi
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PRICE SCHEDULE

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate Excluding GST in Figures Entered by the Bidder Rs. P	Total Amount Without GST
1	2	3	4	5	6
1.00	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil.	266.00	Cum	150.45	40,019.70
2.00	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.	265.00	Cum	177.00	46,905.00
3.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:5:10 (1 cement : 5 coarse sand (zone-III): 10 graded stone aggregate 40 mm nominal size)	18.00	Cum	4248.00	76,464.00
4.00	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 20 mm nominal size)	101.00	Cum	5856.05	5,91,461.05
5.00	Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete	71.00	Sqm	442.50	31,417.50
6.00	Centering and shuttering including strutting, propping etc. and removal of form for all heights : a) Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.	592.00	Sqm	442.50	2,61,960.00
7.00	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	8061.00	Kg	81.42	6,56,326.62
8.00	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	5.00	Cum	265.50	1,327.50
9.00	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:4:8 or leaner mix (i/c equivalent design mix)	5.00	Cum	265.50	1,327.50
10.00	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. In cement mortar	38.00	Cum	265.50	10,089.00
11.00	Taking out existing kerb stones of all types from footpath/ central verge, including removal of mortar etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	105.00	Metre	88.50	9,292.50
12.00	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	1900.00	Sqm	88.50	1,68,150.00
13.00	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the subgrade and disposal of surplus earthwith lead upto 50 metres.	638.00	Sqm	39.83	25,411.54

आर. श्रीनिवासन 
 संयुक्त महाप्रबन्धक (आर-संरचना/सिविल)
 Jt. General Manager (Engg- Str. / Civil)
 भा.वि.प्र. तिरुचि हवाई अड्डा, तिरुचि - 620 007.
 AAI Trichy Airport Trichy - 620 007.

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate Excluding GST in Figures Entered by the Bidder Rs. P	Total Amount Without GST
1	2	3	4	5	6
14.00	Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge.	275.00	Cum	2472.69	6,79,989.75
15.00	Providing and laying dry lean cement concrete with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 26.5 mm, aggregate cement ratio not exceed 15:1, aggregate gradation after blending to be as per specification, cement content not to be less than 150 kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 MPa at 7 days, mixed in a batching plant as per mix design, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonne vibratory roller, finishing and curing etc complete as per specification and direction of the Engineer-in-Charge	853.00	Cum	2829.35	24,13,435.55
16.00	Providing and laying Pavement Quality Concrete (PQC) produced in a batching plant or Transit Mixer with batching arrangement having a Characteristic flexural strength i.e. flexural strength of 4.1 MPa at 28 days using Ordinary Portland cement of 43/53 grade or Portland Pozzolana Cement or Portland Slag cement conforming as per relevant IS Codes, to be mixed at site, with 0.5% Super plasticizer by mass of cementitious material, fine aggregate, graded stone aggregates of 40 mm nominal size in appropriate proportion as per specification and job mix formula, laid in panels as per drawings/design as approved by the Engineer-In-Charge using Fixed form paver including anti friction layer, joint filler board, making necessary provision for expansion,dummy and construction joint including filling with Polysulphide sealant of approved make, curing and making profile, complete as per direction of Engineer-in-Charge and particular specifications. The item for execution shall also include all operations making pavement for intended use but not limited the following: (i) Polyethylene sheet (White in color) of thickness 400 micron conforming to IS: 2508 with 6mm thick fine sand layer. (ii) Providing and laying in position for expansion joint, 25 mm thick pre- cut Synthetic joint filler board of approved make conforming to IS: 1838(Part 3)- 2011, 45 mm from top (to be removed at the time of filling of Polysulphide sealant). (iii) Mechanically cutting dummy joints 3 mm wide x 1/3rd thickness of slab which is subsequently widened to 10mm for the top 25mm depth and construction joints 10mm wide x 25 mm deep as per specification. (iv) Providing and laying in position Polysulphide sealant of approved make conforming to BS-5212-1990 or IS: 11433-1995 in expansion / construction / dummy joints including rounding off edges, applying 2 coats of approved primer compatible with the brand of Polysulphide and preparing the surface and applying masking tape along the edge of joint to prevent accidental spillage of sealant on top surface and to give neat finish to the sealant and removing the masking tape after application of Sealant etc. as per the details below: (a) Expansion Joints of size 25mm wide and 10 mm deep over 30mm dia expanded closed- cell Polyethylene foam back up / backer rod of minimum density 22 Kg/ Cum , as per manufacturer's specifications and sketch at Appendix- A (b) Construction Joints of Size 10 mm wide and 10mm deep over 12mm dia expanded closed - cell Polyethylene foam back up / backer rod of minimum density 22 Kg/ Cum , as per manufacturer's specifications and sketch at Appendix- A (c) Dummy Joints of Size 10mm wide and 10 mm deep over 12 mm dia expanded closed - cell Polyethylene foam back up / backer rod of minimum density 22 Kg/ Cum , as per manufacturer's specifications and sketch at Appendix- A (v) Making profile as per DGCA CAR, panel drawing showing dummy, construction , expansion joints location. Note: (i) Areas inaccessible to paving equipment shall be constructed by manual/ hand guided method. Areas in which manual / hand guided methods of construction become indispensable shall be got approved by the Engineer- in - charge in writing in advance. (ii) The quantity of cement specified, type of cement and super plasticizer for one Cum. of finished concrete specified are tendering purpose only. The contractor shall quote his rates assuming quantity of OPC cement as 360 kg/ Cum or 400 kg of Portland Pozzolana Cement / Portland Slag cement. In addition, if the actual quantity of cement and super plasticizer required as per laboratory mix design varies from the quantity assumed above, necessary cost adjustment for deviation in the quantity of cement and super plasticizer as per mix design, if any, shall be done as per the rate of cement and super plasticizer in actual supply voucher from manufacturer/ authorized dealer at the time of execution. In the case of authorized distributor, the rate may be authenticated by the manufacturer. The rate of cement and Super plasticizer exclusive of GST shall only be considered for payment.	1647.00	Cum	6780.87	1,11,68,092.89


 आर. श्रीनिवासन / A. SREENIVASAN
 संयुक्त महाप्रबन्धक (अभि-संरचना/सिविल)
 Jt. General Manager (Engg- Str. / Civil)
 मा.वि.प्र. तिरुचि हवाई अड्डा, तिरुचि - 620 007.
 AAI, Tiruchy Airport, Tiruchy- 620 007.

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Rate Excluding GST in Figures Entered by the Bidder Rs. P	Total Amount Without GST
1	2	3	4	5	6
17.00	Providing and applying primer coat with bitumen emulsion SS1 grade conforming to IS : 8887 on prepared surface of granular base including clearing of surface and spraying primer at the rate of 0.70kg/sqm using mechanically means complete in all respects as per direction of Engineer-In-Charge. The contractor shall quote his rates assuming quantity of bitumen emulsion as 0.70kg/sqm. If the actual quantity of bitumen emulsion varied from the quantity assumed above, necessary cost adjustment for deviation in the quantity of bitumen emulsion shall be done as per rate in actual supply voucher from nearest refinery at the time of execution. The rate of bitumen emulsion exclusive of GST shall only be considered for payment.	450.00	Sqm	53.10	23,895.00
18.00	Providing and applying tack coat using hot straight run bitumen of Viscosity grade VG-10(80/100) conforming to IS:73 including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing Runway/road 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 assumed above, 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 VG-10 bitumen exclusive of GST shall only be considered for payment. a) 0.2kg/sqm on existing bituminous surface	1050.00	Sqm	17.70	18,585.00
19.00	Providing and laying of Hot Mix Dense Bituminous Macadam (DBM) using crushed stone aggregate of quality, size and grading as specified and cement filler 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 110 kg/m3 of mix supplied in bulk produced by Govt. Refineries and 2% cement by weight of aggregates as filler material].	23.00	Cum	10429.73	2,39,883.79
20.00	Providing and laying of Hot Mix Semi Dense Asphaltic Concrete (SDAC) using crushed stone aggregate of quality, size and grading as specified and cement 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 120 kg/m3 of mix supplied in bulk produced by Govt. Refineries and 2% cement by weight of aggregates as filler material].	53.00	Cum	11392.61	6,03,808.33
21.00	Painting road surface marking with adequate nos of coats to give uniform finish with ready mixed road marking paint conforming to IS : 164, on bituminous surface in white/yellow shade, including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. complete. New work (Two or more coats)	87.00	Sqm	1062.00	92,394.00
22.00	Laying old cement concrete interlocking paver blocks of any design/shape laid in required line, level, curvature, colour and pattern over and including 50 mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge. (Old CC paver blocks shall be supplied by the department free of cost).	705.00	Sqm	185.85	1,31,024.25
23.00	Laying at or near ground level old kerb stones of all types in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement : 3 coarse sand), including making joints with or without grooves (thickness of joints, except at sharp curve, shall not be more than 5 mm), including making drainage opening wherever required etc. complete as per direction of Engineer-in-charge. (Length of finished kerb edging shall be measured for payment). (Old kerb stones shall be supplied by the department free of cost)	96.00	Metre	79.65	7,646.40
Total in Figures					1,72,98,906.87
Quoted Rate in Words				Rupees One Crore Seventy Two Thousand Ninty Eight Thousand Nine Hundred and Six and Eighty Seven Paise Only	


 आर. श्रीनिवासन / R. SREENIVASAN
 संयुक्त महाप्रबन्धक (अभि-संरचना/सिविल)
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