

Government eProcurement System Created By: Ashok choudhary Created Date/Time: 02-Sep-2024 04:54 PM Tender Title: Strengthening/rehabilitation of Airport Parking Stand/Apron at Keshod Airport Tender ID: 2024_AAI_200169_1
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Tender Inviting Authority: Assistant General Manager Engg-Civil , Keshod Airport, Keshod - 362220
Name of Work: Strengthening/rehabilitation of Airport Parking Stand/Apron at Keshod Airport
Contract No: 2024_AAI_200169

SCHEDULE OF WORK / ITEM(S)					
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Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	Unicon Engineering Co (GSTN-24AAEFU0436A1ZU) BID ID -722260		TRIBHOVAN RAGHAVJI PRAJAPATI(GSTN-NA)--723505		Shramshraddha Construction Co(GSTN-NA)--721794	
					Rate	Amount	Rate	Amount	Rate	Amount
1.00	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. All kinds of soil.	507.11	CUM	0.00	80.00	40568.80	350.00	177488.50	200.00	101422.00
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 for all lift.	35.78	CUM		48.00	1717.44	420.00	15027.60	150.00	5367.00
3.00	Supplying and filling in plinth/drain with sand under floors, including watering,ramming, consolidating and dressing complete.	37.86	CUM		1480.00	56032.80	2085.00	78938.10	1100.00	41646.00
4.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	45.81	CUM		4480.00	205228.80	5998.00	274768.38	7300.00	334413.00
5.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand derived from natural sources : 8 graded stone aggregate 40 mm nominal size derived from natural sources)	26.58	CUM		4000.00	106320.00	5245.00	139412.10	6200.00	164796.00
6.00	Centering and shuttering including strutting, propping etc. and removal of form for Foundations, footings, bases of columns, etc. for mass concrete	86.48	SQM		218.00	18852.64	250.00	21620.00	500.00	43240.00
7.00	Providing precast cement concrete Jali 1:2:4 (1 cement : 2 coarse sand(zone-III) : 4 graded stone aggregate 6mm nominal size), reinforced with 1.6 mm dia mild steel wire, including centering and shuttering, roughening cleaning, fixing and finishing in cement mortar 1:3 (1 cement: 3 fine sand) etc. complete, excluding plastering of the jambs, sills and soffits. 50 mm thick	28.16	SQM		750.00	21120.00	1780.00	50124.80	2000.00	56320.00

L1 Amount	L1 Vendor
40568.80	Unicon Engineering Co
1717.44	Unicon Engineering Co
41646.00	Shramshraddha Construction Co
205228.80	Unicon Engineering Co
106320.00	Unicon Engineering Co
18852.64	Unicon Engineering Co
21120.00	Unicon Engineering Co

8.00	15 mm cement plaster on the rough side of single or half brick wall of mix : 1:4 (1 cement: 4 fine sand)	33.36	SQM
9.00	12 mm cement plaster finished with a floating coat of neat cement of mix :1:4 (1 cement: 4 fine sand)	117.84	SQM
10.00	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)	3.44	CUM
11.00	Dismantling dressed stone work ashlar face stone work, marble work or precast concrete work manually/ by mechanical means including stacking of serviceable and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge : In cement mortar	6.00	CUM
12.00	Dismantling 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 :bituminous road	34.44	SQM
13.00	Painting runway/taxi track/apron marking with adequate nos of coats to give uniform finish with road marking paint of superior make as approved by the Engineer-in-charge, i/c cleaning the surface of ail dirt, scales, oil, grease and other foreign material etc. and lining out complete. New work (Two or more coats)	491.64	SQM
14.00	Providing and laying Non Pressure NP-3 class (Medium duty) R.C.C. pipes including collars/spigot jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete 450 mm dia RCC pipes.	142.50	MTR
15.00	Supplying & laying of drainage composite for use behind walls, between two different fills, alongside drains of road, below concrete lining of canals etc. Geocomposite for planar drainage, realized by thermobonding a draining core in extruded monofilaments with two filtering nonwoven geotextiles that may also be working as separation or protecting layers. The draining three dimensional core will have a "W" configuration as longitudinal parallel channels. Minimum thickness to be 7.2mm, with two filtering UV stabilized polypropylene nonwoven geotextile of minimum thickness of 0.75mm charecteristic opening size (O90) of 110 micron and tensile strength of 8.0 kN/m that will be working as separation or protecting layer, geocomposite having in plane flow capacity of 2.1 L / (m.s) at hydraulic gradient of 1.0 & 20 kPa pressure and tensile strength of 18 kN/m , with mass per unit area of 740 gsm, supplied in the form of roll for easy transportation to site of work as per detailed specification all complete as per directions of Engineer in charge.	1333.93	SQM

250.00	8340.00	303.00	10108.08	350.00	11676.00
250.00	29460.00	303.00	35705.52	300.00	35352.00
250.00	860.00	1200.00	4128.00	900.00	3096.00
230.00	1380.00	1200.00	7200.00	500.00	3000.00
200.00	6888.00	250.00	8610.00	900.00	30996.00
150.00	73746.00	145.00	71287.80	140.00	68829.60
1680.00	239400.00	2100.00	299250.00	2200.00	313500.00
880.00	1173858.40	95.00	126723.35	500.00	666965.00

8340.00	Unicon Engineering Co
29460.00	Unicon Engineering Co
860.00	Unicon Engineering Co
1380.00	Unicon Engineering Co
6888.00	Unicon Engineering Co
68829.60	Shramshradha Construction Co
239400.00	Unicon Engineering Co
126723.35	TRIBHOVAN RAGHAVJI PRAJAPATI

16.00	Providing and laying of a stress absorbing membrane over a cracked road surface, with crack width below 6 mm after cleaning with a mechanical broom, using modified binder (PMB 70-10) complying with clause 521, sprayed at the rate of 9 kg per 10 sqm and spreading 5.6 mm crushed stone aggregates @ 0.11 cum per 10 sqm with hydraulic chip spreader, sweeping the surface for uniform spread of aggregates and surface finished to conform to clause 902.	6916.00	SQM
17.00	Providing and applying tack coat using bitumen emulsion (Rapid setting) complying with IS:8887 or suitable low viscosity paving bitumen of VG 10 grade conforming to IS:73, spraying the bitumen with mechanically operated spray unit at the rate specified below, cleaning and preparing the existing pavement surface as per specifications complete in all respects as per direction of Engineer-In-Charge. If the actual quantity of bitumen varies from the quantity specified, necessary cost adjustment for deviation in the quantity of bitumen shall be done as per rate in actual supply voucher from nearest refinery at the time of execution. The rate of bitumen exclusive of GST shall only be considered for payment.a) 0.40 Kg/Sqm on existing concrete surface	7024.00	SQM
18.00	Providing and applying tack coat using bitumen emulsion (Rapid setting) complying with IS:8887 or suitable low viscosity paving bitumen of VG 10 grade conforming to IS:73, spraying the bitumen with mechanically operated spray unit at the rate specified below, cleaning and preparing the existing pavement surface as per specifications complete in all respects as per direction of Engineer-In-Charge. If the actual quantity of bitumen varies from the quantity specified, necessary cost adjustment for deviation in the quantity of bitumen shall be done as per rate in actual supply voucher from nearest refinery at the time of execution. The rate of bitumen exclusive of GST shall only be considered for payment.a) 0.30 Kg/Sqm on existing bituminous surface	2675.00	SQM
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 as specified and Viscosity Grade Bitumen (supplied in bulk) in portions 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-40 shall be taken as 110 kg/m ³ of mix supplied in bulk produced by Govt. Refineries and 2% cement by weight of aggregates as filler material.	458.68	CUM

78.00	539448.00	95.00	657020.00	90.00	622440.00
38.00	266912.00	18.00	126432.00	100.00	702400.00
32.00	85600.00	18.00	48150.00	100.00	267500.00
10080.00	4623494.40	10200.00	4678536.00	12135.00	5566081.80

539448.00	Unicon Engineering Co
126432.00	TRIBHOVAN RAGHAVJI PRAJAPATI
48150.00	TRIBHOVAN RAGHAVJI PRAJAPATI
4623494.40	Unicon Engineering Co

20.00	Providing and laying of Hot Mix Dense Asphaltic Concrete (DAC) using crushed stone aggregate of quality, size and grading as specified and Cement 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-40 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.	471.18	CUM
21.00	Providing and fixing Unplasticised Polyvinyl Chloride (UPVC) pipes, having thermal stability for hot & cold water supply, including all UPVC plain & threaded fittings, including making perforations of required size for drain out water ,including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step UPVC solvent/adhesive, renching, refilling & testing of joints complete as per direction of Engineer in Charge. External. 200 mm dia Pipes	315.50	MTR
22.00	Supplying stone aggregate(ds 50 mm) and filling in drain including preparing the surface all complete as per direction of Engineering in-charge.	179.39	CUM
23.00	Laying in position dressed Bella stone size 15"x 9" x 7.5" masonry with cement mortar 1:6 (1 cement : 6 coarse sand) including striking joints on unexposed faces, racking out joints on exposed faces, watering, curing and scaffolding wherever required etc. complete as per specification and directions of Engineer Incharge.up to Plinth Level.	15.26	CUM

10180.00	4796612.40	11000.00	5182980.00	14000.00	6596520.00
1380.00	435390.00	1700.00	536350.00	4000.00	1262000.00
1080.00	193741.20	1900.00	340841.00	1000.00	179390.00
4280.00	65312.80	7200.00	109872.00	7000.00	106820.00

4796612.40	Unicon Engineering Co
435390.00	Unicon Engineering Co
179390.00	Shramshradha Construction Co
65312.80	Unicon Engineering Co

Total in Figures

12990283.68

13000573.23

17183770.40

Lowest Amount Quoted BY: Unicon Engineering Co(12990283.68)

BOQ Summary Details Tender Title: Strengthening/rehabilitation of Airport Parking Stand/Apron at Keshod Airport Tender ID: 2024_AAI_200169_1	
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Sheet Name	Sl.No	Bidder Name	Amount	Bid Rank
BoQ1	1	Unicon Engineering Co	12990283.68	L1
	2	TRIBHOVAN RAGHAVJI PRAJAPATI	13000573.23	L2
	3	Shramshraddha Construction Co	17183770.40	L3