



75
आज़ादी का
अमृत महोत्सव

भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

संदर्भ सं: भाविप्रा/सिल/ईन्जी(सि)/मिट्टी की जांच - सर्वे/ 3358-70
Ref: AAI/PKNG/Engg(C)/Geo-Tech Investigation-P-Road/

दिनांक: 24.08.2023
Date: 24.08.2023

सेवा मे,
एम/एस स्वेइन इंजीनियरिंग एसोसिएट्स प्रा. लिमिटेड
प्लॉट नंबर 77, सत्यनगर, भुवनेश्वर,
ओडिशा, 751007

To,
M/s Swayin Engineering Associates Pvt. Ltd.
Plot No 77, Satyanagar, Bhubaneswar,
Odisha, 751007

विषय: भू-तकनीकी जांच कार्य "सीएच 920 से 1970 मीटर तक ढलान स्थिरीकरण कार्य (पश्चिमी तरफ) के तहत परिधि सड़क का निर्माण और पाकयोंग हवाई अड्डे, सिक्किम में परिधि बाड़ लगाने का स्थानांतरण" के लिए काम करता है।

Sub: : Geotechnical Investigation works for the work "Construction of Perimeter road i/c Slope Stabilization work (Western Side) from CH. 920 to 1970 mtr & Shifting of Perimeter Fencing at Pakyong Airport, Sikkim."

संदर्भ: आपकी निविदा दिनांक 04.08.2023
Ref.: Your Tender opened on 04.08.2023.

महोदय / Sir (s),

- उपरोक्त कार्य के लिए आपकी निविदा अध्यक्ष, भारतीय विमानपत्तन प्राधिकरण की ओर से आप द्वारा उद्धरित मद दर जिसकी कुल राशि रु. 16,77,600.00 (रुपया सोलह लाख सतहत्तर हजार छःसौ मात्र) जो कि निविदा की अनुमानित लागत रु. 34,56,000.00 से 51.46% कम है, स्वीकृत किया जाता है।

Your tender for the work mentioned above is hereby accepted on behalf of Chairman, Airports Authority of India, at the item rates quoted by you totaling to Rs. 16,77,600.00 (Rupees Sixteen lakh Seventy-Seven Thousand Six hundred only) which is 51.46% below the estimated cost of Rs. 34,56,000.00.

- उप. महाप्रबंधक (अभि-सिविल), भारतीय विमानपत्तन प्राधिकरण, पाकयोंग हवाई अड्डा, इस कार्य के इंजीनियर प्रभारी होंगे। आपसे अनुरोध है कि आप संविदा करार पर हस्ताक्षर करने एवं उसे पूरा करने हेतु इस पत्र के जारी किए जाने के 10 (दस) दिनों के भीतर उप. महाप्रबंधक (अभि-सिविल), भारतीय विमानपत्तन प्राधिकरण, पाकयोंग हवाई अड्डा के कार्यालय में उपस्थित हों। संविदा करार रु 100/- (सौ रुपये मात्र) के न्यायिकेतर (नॉन ज्युडिशियल) स्टाम्प पेपर पर बनाया जाएगा और स्टाम्प पेपर की लागत आपको वहन करनी होगी।

Dy. General Manager (E-C), AAI, Pakyong Airport shall be the Engineer-in-Charge of the work. You are requested to attend office of Dy. General Manager (E-C), AAI, Pakyong Airport within 10 (ten) days from the date of issue of this letter, 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.

- आपके निविदा के साथ प्राप्त बयाना राशि रु 69,120.00 (रुपया उनसठ हजार एक सौ बीस मात्र) को संविदा दस्तावेज के पृष्ठ 16 पर दी गई शर्त 1A के अनुसार सुरक्षा जमा के हिस्से के रूप में परिवर्तित कर दिया गया है। कृपया इस पत्र के जारी होने के 10 दिन में सुरक्षा जमा के लिए रु 98,640.00 (रुपया अठानबे हजार छह सौ चालीस मात्र) जमा करवा दें, ऐसा नहीं करने पर उक्त रकम संविदा दस्तावेज के पृष्ठ 16 पर दी गई शर्त 1A के अनुसार आपके रनिंग बिल से काट ली जाएगी।

Contd. in next page

AM
Swayin



75
आज़ादी का
अमृत महोत्सव

भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

::2::

The earnest money amount of Rs.69,120.00 (Rupees Sixty-Nine Thousand One Hundred Twenty only) received along with your Tender has been converted as part of Security Deposit as per condition 1A on page 16 of contract document. Please deposit Rs. 98,640.00 (Rupees Ninety-Eight Thousand Six Hundred Forty only) towards Security Deposit within 10 (Ten) 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.

4. आपसे अनुरोध है कि संविदा श्रमिक (विनियमन एवं समापन) अधिनियम 1970 और संविदा श्रमिक (विनियमन एवं समापन) केन्द्रीय नियमावली 1971, अधिन, केन्द्रीय और राज्य सरकार के न्यूनतम मजदूरी अधिनियम और ई.पी.एफ.एक्ट, 1952 एवं ई. एस. आई. एक्ट नियमों का पालन करें।

You are requested to comply with provision of Contract Labour (Regulation and Abolition) Act of 1970 and contract (Regulation and Abolition) Central rules 1971, Minimum Wages Act & Rules, EPF Act, 1952 and ESI act thereof Central & State Governments.

5. आपको साइट सौंपने के लिए वरिष्ठ प्रबंधक (अभि. - सिविल)-I से संपर्क करने का भी निर्देश दिया जाता है।
You are also directed to contact Sr. Manager (E-C)-I, AAI, Pakyong Airport who will hand over the site.

6. कृपया यह नोट कर लें कि काम करने का समय 3 (तीन) महीने है जिसमें 15 (पंद्रह) दिनों की वर्षा शामिल है जो इस पत्र के जारी होने की तारीख से 10 दिन या असल कार्य चालु करने की तिथि से जो पहले हो, गिना जाएगा।

Please note that the time allowed for carrying out the work shall be 03 (Three) months including 15 (Fifteen) days of rainfall and the same shall be reckoned from the 10th day from the issue of this letter.

7. संविदा के संबंध में आगे किया जाने वाला पत्राचार समान्यतः इंजीनियर प्रभारी से किया जाए।
Any further correspondence in connection with the contract should normally be addressed to the Engineer-in-Charge.
8. कृपया इस पत्र की पावती भेजें तथा साथ में संलग्न इस पत्र की दुसरी प्रति पर स्वीकारोक्ति के रूप विधिवत हस्ताक्षर करके हमें वापस भेजें।

Please acknowledge the receipt and return the duplicate copy of this letter enclosed herewith after duly signing it to the undersigned as a token of acceptance.

9. यदि कोई विसंगति पाई जाती है तो अंग्रेजी भाषा ही मान्य होगी।
In case any discrepancy is found, then English version will be taken as correct.

धन्यवाद/ Thanking you.

भवदीय / Yours faithfully,

B/M
24/08/2022

(बेंतेइलंग दखार) / (Banteilang Dkhar)

वरिष्ठ प्रबंधक (अभि. - सिविल) / Senior Manager Engg (Civil),
भा.वि.प्रा., पाक्योंग हवाई अड्डा, पाक्योंग - 737106
AAI, Pakyong Airport, Pakyong - 737106

संलग्न / Encl: अनुसूची की मात्रा / Schedule of Quantity

Government eProcurement System
Created By: Banteilang Dkhar
Created Date/Time: 04-Aug-2023 01:09 PM
Tender Title: Geotechnical Investigation works for the work Construction of Perimeter road ic Slope Stabilization work (Western Side) from CH. 920 to 1970 mtr and Shifting of Perimeter Fencing at Pakyong Airport, Sikkim
Tender ID: 2023_AAI_160313_1

Tender Inviting Authority: Airports Authority of India , Pakyong Airport, Engg (Civil)

to 1970 mtr & Shifting of Perimeter Fencing at Pakyong Airport, Sikkim".

Contract No: 2023_AAI_160313_1

SCHEDULE OF WORK / ITEM(S)

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	SWAYIN ENGINEERING ASSOCIATES PVT.LTD.(GSTN: 21AAJCS3015K1ZL)	
					Rate	Amount
1.00	Site reconnaissance for collecting data about site nature, topography of the site, geological features, Rock types and other properties concerning the project site. The geological investigations include rock mass classifications; determination of Geological Strength Index (GSI) and Rock Mass Rating (RMR) values for the slope sections of 50 m length parallel to the airport runway both sides from the marked borehole locations on the contour map.	1.00	Job	0.00	50000.00	50000.00
2.00	Mobilization of necessary plant, equipment(s) and personnel to the project site, setting up the equipment, shifting of the equipment from one test location to another location, carrying out the field investigations on land and demobilization on completion of work	1.00	Job	0.00	500000.00	500000.00
3.00	Drilling at uphill side (Western side, Borehole 1 to 6): Depth of Boring: 50m (at least) with assumption of 5m soil cover. (Locations are provided on site map separately). (a) The geotechnical investigation includes drilling of boreholes, performing SPT as per IS 2131: 1981 (RA 2021) in the boreholes and to collect undisturbed and disturbed sampling from boreholes at 0.75 m interval alternatively in depth or when there is a change in strata, whichever is earlier and relevant laboratory tests. Borehole is to be made at Six (06) locations. Drilling is to be carried out as per IS 1892: 2021 through 150 mm nominal diameter boreholes. (The payment in this item shall be made as per the actual depth drilled till soil cover is encountered and the payment for the balance depth drilled after encountering soil cover shall be made in Item no. 4)	30.00	Mtr	0.00	800.00	24000.00
4.00	Drilling at uphill side (Western side, Borehole 1 to 6): Depth of Boring: 50m (at least) with assumption of 5m soil cover. (Locations are provided on site map separately). (a) Drilling in hard stratum (rock) is met with (hard stratum is confirmed by either the refusal from SPT or due to resistance during the drilling operation), further drilling is to be carried out by NX core drilling with TC/Diamond bits as per IS 6926: 1996 (RA 2020) by using double core Each run of the core drilling is to be properly recorded. At the end of each run, the drill rod string with core barrel is to be extracted and core is to be recovered. The cores are to be carefully transferred to the core boxes, and properly preserved, numbered, labeled and photographed for reporting. The rock core recovery (C.R.) percentage and Rock Quality Designation (RQD) are to be recorded.	270.00	Mtr	0.00	2100.00	567000.00

Bm
SHE-C1

SI.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	SWAYIN ENGINEERING ASSOCIATES PVT.LTD.(GSTN: 21AAJCS3015K1ZL)	
					Rate	Amount
5.00	Drilling at downhill side (Eastern side, Borehole 7 to 12): Depth of Boring: 30m (at least) with assumption of 10m soil cover underlain by 20m as soil-gravel-boulder mix/Rock. (Locations are provided on site map separately). (a) The geotechnical investigation includes drilling of boreholes, performing SPT as per IS 2131: 1981 (RA 2021) in the boreholes and to collect undisturbed and disturbed sampling from boreholes at 0.75 m interval in depth or when there is a change in strata, whichever is earlier and relevant laboratory tests. Borehole is to be made at Six (06) locations. Drilling is to be carried out as per IS 1892: 2021 through 150 mm nominal diameter boreholes. (The payment in this item shall be made as per the actual depth drilled till soil cover is encountered and the payment for the balance depth drilled after encountering soil cover shall be made in Item no. 6)	60.00	Mtr	0.00	700.00	42000.00
6.00	Drilling at downhill side (Eastern side, Borehole 7 to 12): Depth of Boring: 30m (at least) with assumption of 10m soil cover underlain by 20m as soil-gravel-boulder mix/Rock. (Locations are provided on site map separately). (b) Drilling in hard stratum (rock) is met with (hard stratum is confirmed by either the refusal from SPT or due to resistance during the drilling operation), further drilling is to be carried out by NX core drilling with TC/Diamond bits as per IS 6926: 1996 (RA 2020) by using double core. Each run of the core drilling is to be properly recorded. At the end of each run, the drill rod string with core barrel is to be extracted and core is to be recovered. The cores are to be carefully transferred to the core boxes, and properly preserved, numbered, labeled and photographed for reporting. The rock core recovery (C.R.) percentage and Rock Quality Designation (RQD) are to be recorded.	120.00	Mtr	0.00	2100.00	252000.00
7.00	Recording the depth of ground water table in all the bore holes if observed up to the depth of exploration during boring work. Groundwater accumulation in boreholes is to be monitored during and after completion of drilling activities	12.00	Job	0.00	50.00	600.00
8.00	Dynamic cone Penetration Test (DCPT) upto 30m depth or the number of blows exceeds 35 for 100mm penetration whichever occurs earlier at the eastern side as specified in IS 4968 (Part-II) - 1976 (RA 2007) & IS 10042-1981 (RA 2002). The DCPTs are to be carried out at every 20m starting from chainage 900 towards chainage 1700 or as suggested by site engineer.	40.00	Job	0.00	3000.00	120000.00
9.00	The in-situ density test carried out at in test pits excavated at regular intervals in between the boreholes from 7 to 12 at depth 1.50m from EGL either by sand replacement method or by water replacement method	6.00	Job	0.00	2000.00	12000.00
10.00	Determination of field moisture as per the IS 2720: Part 18:1992 (Reaffirmed Year: 2021) at nearby borehole locations	12.00	Job	0.00	1000.00	12000.00

B/M
S.M.C.

Sl.No	Description of Work / Item(s)	No.of Qty	Units	Estimated Rate	SWAYIN ENGINEERING ASSOCIATES PVT.LTD.(GSTN: 21AAJCS3015K1ZL)	
					Rate	Amount
11.00	Conducting the following laboratory tests on selected disturbed / undisturbed soil samples collected from various bore holes / test locations: bulk and dry density, specific gravity (IS 2720 : Part 3 : Sec 1 & 2 : 1980 Reaffirmed Year:2021), water or moisture content (IS 2720: Part 2: 1973 Reaffirmed Year :2020), grain size analysis including hydrometer analysis (as per IS 2720 : Part 4 : 1985 Reaffirmed Year : 2020) and, determination of liquid limit and plastic limit (IS 2720: Part 5: 1985 Reaffirmed Year : 2020), laboratory determination of permeability of soil (IS 2720: Part 17: 1986 Reaffirmed Year: 2021) or granular soils (IS 2720: Part 36: 1987 Reaffirmed Year: 2021), classification and identification of soils for general engineering purposes (IS 1498: 1970 Reaffirmed Year: 2021), tri-axial shear tests in unconsolidated undrained condition (IS 2720: Part 11: 1993 Reaffirmed Year: 2021), direct shear tests (IS 2720: Part 13: 1986 Reaffirmed Year : 2021 or IS 2720 : Part 39:Sec 1: 1977 Reaffirmed Year: 2021), consolidation test (IS 2720: Part 15: 1965 Reaffirmed Year: 2021). All these tests to be conducted as per the IS code guidelines.	1.00	Job	0.00	20000.00	20000.00
12.00	Cores are to be sent to the laboratory for determining density and specific gravity of rock (IS 13030: 1991, RA 2021), uniaxial compressive strength (UCS) of rock samples of NX size (IS 9143:1979, RA 2021), determination of shear strength of rock materials in triaxial compression as per IS 13047: 1991 (Reaffirmed Year: 2021)	1.00	Job	0.00	5000.00	5000.00
13.00	To submit a preliminary site report in three copies along with each bore-log profile, SPT profile results once the borehole SPT tests have been concluded at the site by clearly demarcating (with co-ordinates) the locations of boreholes at site on a contour map or site plan.	1.00	Job	0.00	30000.00	30000.00
14.00	Preparation of final report and submission in three hard copies along with soft copy in form of "docx" and "pdf" file format by applying geological and geotechnical engineering analysis by evaluating field findings and laboratory results including site investigation photographs, laboratory test photographs, along with tables and graphs of field and lab test results, conclusions and recommendations.	1.00	Job	0.00	43000.00	43000.00

Total in Figures

1677600.00

Lowest Amount Quoted BY: SWAYIN ENGINEERING ASSOCIATES PVT.LTD.(1677600.00)

Bm
SM(E-1)