



EISCAT Scientific Association

EISCAT Scientific Association
Enquiry for
*Demolition and final removal of 32m dish antennas
in Sweden and Finland*

Closing date for offers: **2024-03-27**
The offer should be valid at least until: **2024-05-31**

EISCAT Scientific Association

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Kiruna Site

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SE-981 28 Kiruna, Sweden
Phone: +46 980 79062

Sodankylä Site

Tähteläntie 54B
FIN-99600 Sodankylä, Finland
Phone: +358 40 8669096

Tromsø Site

Ramfjordmoen
N-9027 Ramfjordbotn, Norway
Phone: +47 776 20730

www.eiscat.se

EISCAT Svalbard Radar

P. O. Box 432
N-9171 Longyearbyen, Norway
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1 INTRODUCTION

This enquiry describes the scope and requirements for demolition and final removal of the old EISCAT 32m dish antennas located at the EISCAT Kiruna, Sweden and EISCAT Sodankylä, Finland sites. The enquiry is for removing both antennas, but a Tenderer can opt for offering removal at just one of the sites. The enquiry also stipulates that the resulting scrap-metal will be owned by the Tenderer, which can then make best use of its value. An estimation of the different resulting scrap materials is also included in this document.

2 THE EISCAT ORGANISATION

The EISCAT Scientific Association, "EISCAT" throughout this document, conducts research on the lower, middle, and upper atmosphere and ionosphere using the incoherent scatter radar technique. EISCAT is currently building a new radar-system, EISCAT 3D, which is a next generation incoherent scatter radar capable of providing a 3-dimensional monitoring of the atmosphere and ionosphere.

The new EISCAT_3D system, which is mostly finalised, will replace the existing radar installations on the mainland. As part of this transition, the current EISCAT sites in Sweden and Finland are being returned to the host organisations, and the big 32m dish antennas will be removed. Remaining after these removals are a single 32m antenna located near Tromsø, Norway and a 120x40 m antenna also located at the Tromsø site. The final two old mainland antennas will be removed later. A new enquiry will be published for those demolitions.

EISCAT Scientific Association in Sweden will be the contract party:

<p>EISCAT Scientific Association Bengt Hultqvists väg 1 SE-981 92 Kiruna Sweden</p>	<p>Organisationsnummer: 897300-2549 Swedish VAT: SE897300254901</p>
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3 ANTENNAS TO BE REMOVED AND ITS LOCATIONS



The EISCAT Kiruna site antenna.
 Location: 67°51'38"N 20°26'07"E
 EISCAT Kiruna
 Mottagarstation
 SE-981 92 Kiruna
 Sweden



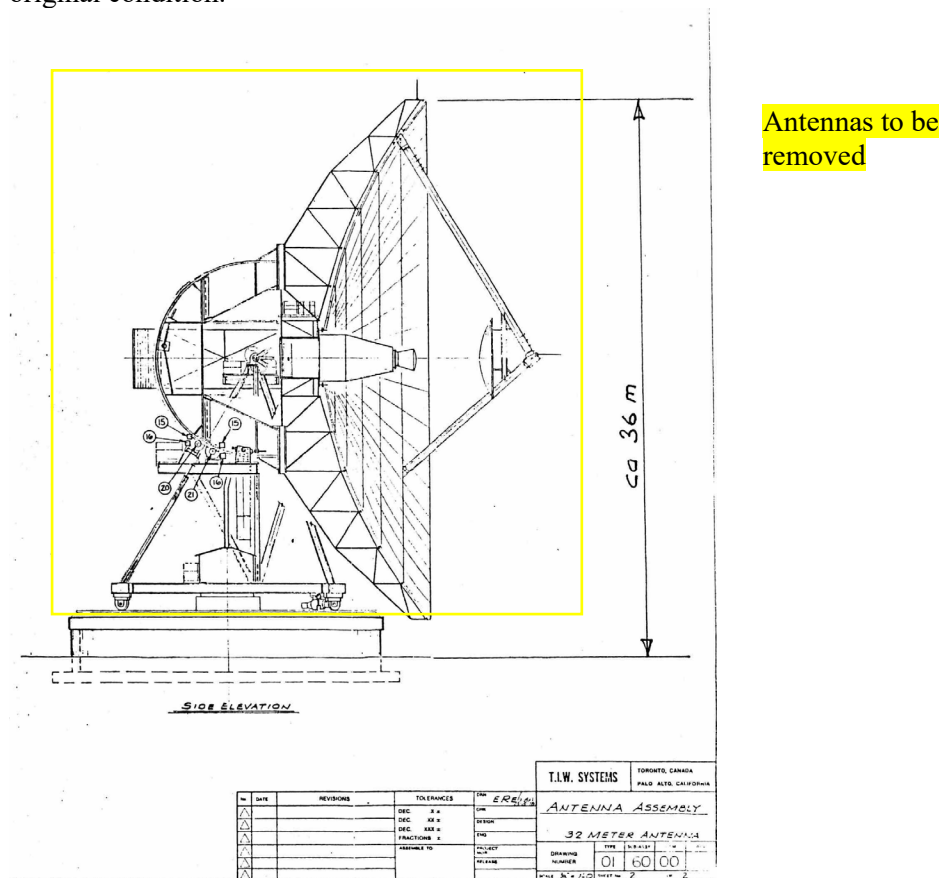
The EISCAT Sodankylä site antenna
 Location: 67°21'49"N 26°37'37"E
 EISCAT Sodankylä
 Tähteläntie 54D
 FIN-996 00 Sodankylä
 Finland



4 REMOVAL PROCEDURES

4.1 32m dish antennas

The two antennas are mounted on concrete foundations. The foundations will be kept. The antennas are of wheel-on-track design. The rails will be removed from the foundations as well. Both antennas are functional so a preferred wrecking positioning can be set before power and all control cables are disconnected. The Tenderer can choose the wrecking method. The antennas are bolted so the dismantling can be done piece-by-piece or by cutting. At the time the demolition starts, the ownership of the antennas will be transferred to the Tenderer, which can then make best use of any residual material value. After the demolition, and removal of the scrap metal, the Tenderer is responsible for reinstating the area around the antennas to the original condition.



We encourage Tenderers interested in bidding for this work to do a physical inspection of one of the antennas to get a good understanding of the undertaking. Please contact EISCAT to organise a visit.

4.2 Other removals

As option, we may want to engage the Tenderer with other smaller structure removals. If so, those removals will be detailed and discussed during the contract negotiations phase and the Tenderer can then also opt not to take on additional work.

5 ENVISAGED SCHEDULE

The antenna in Kiruna, Sweden is ready to be removed now (February 2024). Since the EISCAT Kiruna site is located about 3 km from the main road E10, and the final stretch is a private gravel road, subject to thaw, it is preferred if the removal can be done outside the thaw period (usually April-June). The Sodankylä site is located in a better position not really subject to road-thaw problems. The removal permit for the Sodankylä antenna is though not in place yet.



6 TENDERING INFORMATION

6.1 General instructions

EISCAT would like to emphasize the importance of that potential bidders monitor the specific tendering area in the EISCAT web-site (<https://eiscat.se/procurements/>) on a regular basis in order to get access to possible changes and/or clarifications of the procurement, cancellations, questions & answers and all other information related to this enquiry.

EISCAT's responsibility for the correctness and accuracy of the documentation for this enquiry is limited to the documentation published on the EISCAT web site and/or sent out by e-mail.

In order to qualify as Tenderer and have tenders evaluated, a Tenderer must reply to and/or comment on all the requirements stipulated in this enquiry, including all requirements stipulated in any appendices. The tender must be received by EISCAT, at the latest, at the closing date, be confirmed by an authorised representative and include an affirmation that the submitted tender is valid until the expiration of the validity period as stated on the frontpage of this document.

In order to assure equal handling of received tenders, it is mandatory to at least use the Requirement Answers Template when responding. The template can be found at: https://eiscat.se/wp-content/uploads/2024/02/Requirements_Answer_Template_wrecking_FI_SE.docx

6.2 Form of contract

6.2.1 Options

A tender can be for one antenna removal or both. Tenders including both antenna removals will be ranked higher in the selection process.

Default – Both antenna removals

Option 1 – Only removal of the Swedish antenna (SE)

Option 2 – Only removal of the Finnish antenna (FI)

Other removals – To be detailed and negotiated later

6.2.2 Price

Prices can be given in SEK or EUR. The offers shall be fixed per antenna removal and cover all cost aspects of the removal(s) and take into account any income the Tenderer can yield from scrap-materials in that specific country. Tenderers offering the default, demolition and removal of both antennas can choose to either just use one currency or divide the offer in SEK and EUR. All prices should be exclusive of VAT.

6.2.3 Price adjustments

The offered prices shall be firm and valid with estimated March 2024 as start date. EISCAT can accept a price adjustment mechanism based on an open cost change index, to be agreed during contract negotiations.

6.2.4 Envisaged payment schedule

It is suggested that the payment schedule follows the *Project Milestones and Reviews* paragraph, 7.2 below with a 20%-50%-30% distribution.

6.2.5 Advance payment

Any advance payments by EISCAT shall be covered by Tenderer advance payment guarantees issued by bank or a corporate entity.



6.3 Verification of qualification of Tenderers

EISCAT's requirements for Tenderers are stipulated below. EISCAT will examine if the Tenderer fulfils these requirements before a tender is further evaluated.

6.3.1 Exclusion of Tenderer

Candidates or tenderers are excluded from participation in procurement procedures if:

- The candidate is bankrupt or are having their affairs administered by a court, have entered into an arrangement with creditors, have suspended business activities, are subject to proceedings concerning those matters, or are in any analogous situation arising from a similar procedure provided for in national legislations or regulations.
- The candidate has been convicted of an offence concerning applicable laws and regulations of the environment, human rights, working conditions, anti-corruption, gender equality and diversity.
- The candidate is banned or restricted from doing business in one of EISCAT's home countries, Norway, Finland or Sweden.

6.3.2 Requirement for registration

The company's registration from the Register of companies, commercial enterprises, or associations, whichever is applicable, shall be attached to the reply. The certificates shall not be more than six months old. It is mandatory that the Tenderer has an ongoing business (main or subsidiary entity) in the country where the demolition and removal of the antenna will take place.

6.3.3 Requirement for technical and professional capacity

The qualification criteria related to technical and professional capacity are designed to show if the Tenderer has the capacity needed to perform the contract. The following qualifications are required, and evidence must be included in the reply:

- Short description of two completed reference projects (with relevant need for technical and professional capacity as this enquiry) for two different customers.

6.4 Submission of the enquiry

6.4.1 Language

The tender shall be in English, Swedish or Norwegian. A tender in Finnish can also be accepted but then the Tenderer must be prepared to use English, Swedish or Norwegian during future communications.

6.4.2 Disposition

The reply must be based on what is stipulated in this enquiry. The disposition of the Requirements Answer Template shall be followed. The reply shall contain comments on all requirements and any award criteria stipulated. If no comment is made in respect of a stipulated requirement, it will be regarded as not accepted by the Tenderer.

6.4.3 Tenderer data

The reply shall show the Tenderer's:

Name

Address

Registration number

Telephone number

E-mail address



6.4.4 Subcontractors

The Tenderer shall in its tender state to what extent parts of the contract and/or which parts of the contract it intends to subcontract to third parties and which subcontractors are proposed. The Tenderer shall always be responsible for any subcontractor in all aspects.

6.4.5 Submission

Tenders are accepted both as originals and via email (PDF format). The reply shall be (electronically/scanned) signed by the Tenderer and marked with “ENQUIRY, DEMOLITION AND REMOVAL SE-FI” and the stipulated closing date for submission.

The enquiry shall be addressed to the following postal address:

EISCAT Scientific Association

Bengt Hultqvists väg 1

SE-981 92 Kiruna

Sweden

Tenders submitted by email shall be sent to the following email addresses:

Axel.Steuwer@eiscat.se and registrar@eiscat.se

EISCAT must receive the enquiry, at the latest, by 18.00 Central European Time (CET) on the closing date.

6.5 Information regarding the enquiry

Questions regarding this tender shall be submitted in writing and may be addressed to:

Axel.Steuwer@eiscat.se.

Relevant questions and answers will be published on EISCAT's web site (at <https://eiscat.se/procurements>). Updates will be published regularly, however not after five days before the closing date.

6.6 Tenders received too late or being incomplete

A tender received after the closing date will not be considered. Submissions lacking requested supporting material, and/or not provided using the requirements answer template without a reasonable justification, will not be considered.

6.7 Applicable law

Swedish law applies for this enquiry. National laws and regulations apply for the removal works.



6.8 Invoice instructions

EISCAT has entities in both Finland and Sweden and the invoices must be addressed to those respectively:

EISCAT Finland:

EISCAT Scientific Association
Tähteläntie 54D
FIN-99600 Sodankylä
FO-nummer: 3103178-2

EISCAT Sweden:

EISCAT Scientific Association
Bengt Hultqvists väg 1
SE-981 92 Kiruna
Organisationsnummer: 897300-2549

Invoices addressed to the different EISCAT entities will be handled by the EISCAT central administration in Kiruna and should always be sent electronically to faktura@eiscat.se.

6.9 Award of contract

EISCAT will accept the tender that meets the requirements or has given reasonable justifications for the requirements that are not met and is the most economically and technically advantageous. Tenders including the default option will be ranked higher.



7 CONTRACT IMPLEMENTATION AND MANAGEMENT

This section covers the envisaged management for the Demolition and final removal of 32m dish antennas in Sweden and Finland contract.

7.1 Permits and Compliance

7.1.1 EISCAT responsibilities

- EISCAT is responsible for having the removal permits in place (rivningslov). For Sweden, this is in place. For Finland, work is ongoing (January 2024) to get the required removal permit.
- EISCAT will assure that access to the sites with heavy equipment will be possible according to the agreed work-schedule (will be set during final contract negotiations) and that reasonable areas around the workplaces will be available for site establishment by the contractor.
- EISCAT will move the antenna(s) to a preferred wrecking positioning wanted by the contractor and will then disconnect power and all control cables such that demolition can start in a safe manner.

7.1.2 Contractor responsibilities

- The contractor is required to have all permits in place prior to and follow all national and local regulations at the work sites.
- The contractor is responsible for fencing off needed areas around the workplaces and always having local work- and public safety structures in place during the removals.

7.2 Project Milestones and Reviews

EISCAT monitors the progress of the Contractor through project monitoring and formal reviews for payment milestones. The Contractor needs to relate to Project Phases, e.g. as suggested in Table 1 and the related Project Reviews. Each accepted Milestone or Project Review allows for progress to the next project phase. EISCAT shall be invited to participate in the Project Reviews.

Milestone	Payment	Description	Action
M1	x1	Contract award	Signing of contract
xM2	x2	Work site established and ready for demolition	Ownership transfer document
xM3	x3	Final Inspection and Acceptance	Inspection at the site

x = FI or SE

Table 1. Project phases and related milestones

7.3 Communication and management

EISCAT and the Contractor will each name a contact person for the works at the two work locations. These persons will have the authority to make necessary decisions, in case such would be needed.



8 LIST OF MATERIALS (AVFALLSPLAN)

EISCAT procured in 2014 from Multiconsult, Tromsø, Norway a study on how to wreck and dispose the antennas at EISCAT Tromsø (the 32m dish antenna and the 120x40m antenna). The 32m dish antenna in Norway is identical to the antennas covered in this enquiry.

The “Avfallsplan” (vedlegg B in the report) is shown here. Note that the *Betong, tegl, lett klinker og lignende- 1100 tonn* line, and related, **is not relevant** since that refers to the foundations that will be kept.



Vedlegg nr. K-	Versjonsnr.
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Sluttrapport med avfallsplan for rehabilitering og riving

Byggesaksblankett 5179

Gjelder søknadspiktig tiltak som berører del av bygning som overskrider 100 m² berørt bruksareal (BRA), eller konstruksjoner og anlegg der avfallsmengden overstiger 10 tonn (jf. TEK10 § 9-6). Denne blanketten skal også benyttes for tiltak hvor det både er nybygg og rehabilitering/riving. For nybygg: se byggblankett 5178 Sluttrapport med avfallsplan for nybygg.

Avfallsplan skal foreligge i tiltaket. Sluttrapport skal vedlegges søknad om ferdiggattest. Eventuell justert sluttrapport, inkludert mindre gjenstående mengder, skal oppbevares av ansvarlig søker og skal ikke sendes inn til kommunen (se veiledning til SAK § 8-1 fjerde ledd)

Rapporten gjelder

Eiendom/ byggested	Gnr.	Bnr.	Festnr.	Seksjonsnr.	Byggnrnr.	Boligrnr.	Kommune
	30	192					Tromsø
	Adresse				Postnr.	Poststed	
	Ramfjordmoen				9027	Ramfjordbotn	

Detaljert sluttrapport med avfallsplan

Blanketten omfatter ikke disponering av gravemasser fra byggevirksomhet. (jf. TEK10 § 9-5) Forurenset masse må håndteres i henhold til forurensningsforskriftens kapittel 2 (jf. TEK10 § 9-3).

	PLAN		SLUTTRAPPORT				
	Beregnet mengde (tonn)	Disponeringsmåte (Ansl. mengde og leveringssted)					Faktisk mengde (tonn) (2) + (4)
		Fraksjoner som skal kildesorteres	Mengde levert til godkjent avfallsanlegg	Leveringssted	Mengde levert direkte til ombruk/gjenvinning	Leveringssted	
	(1)	(2)	(3)	(4)	(5)	(6)	
Ordinært avfall (listen er ikke uttømmende)							
Trevirke (ikke kreosot- og CCA-impregnert)	0.1					0	
Papir, papp og kartong						0	
Glass						0	
Jern og andre metaller	300					0	
Gipsbaserte materialer						0	
Plast						0	
Betong, tegl, lett-klinker og lignende	1100					0	
Forurenset betong og tegl (under grensen for farlig avfall)						0	
EE-avfall (elektriske og elektroniske produkter)	5					0	
Annet (fyll inn under)							
1014, maling på betong	0.1					0	
						0	
						0	
						0	
						0	
Sum sortert ordinært avfall	1405.2	0		0		0	
Farlig avfall (listen er ikke uttømmende)							
7041-42 Organiske løsemidler						0	
7051-55 Maling, lim, lakk, fugemasser, spraybokser m.m. (også "tomme" fugemasse-patroner)						0	
7081 Kvikksølv-holdig avfall						0	
7086 Lysstoffør						0	



	PLAN		SLUTTRAPPORT			
	Beregnet mengde (tonn)	Disponeringsmåte (Ansl. mengde og leveringssted)				Faktisk mengde (tonn) (2) + (4)
		Fraksjoner som skal kildesorteres	Mengde levert til godkjent avfallsanlegg	Leveringssted	Mengde levert direkte til ombruk/ gjenvinning	
(1)	(2)	(3)	(4)	(5)	(6)	
7098 Trykkimpregnet trevirke (CCA)						0
7121-23 Polymeriserende stoff, isocyanater og hardere						0
7152 Organisk avfall uten halogen (f.eks. avfall med kulltjære)						0
7154 Kreosot-impregnet trevirke						0
7156 Avfall med ftalater (PVC eller viny)						0
7157 Kassert isolasjon med miljøskadelige bløsemidler som KFK og HKFK. (skumisolasjon)	0.21					0
7210 PCB og PCT-holdig avfall (fugemasser og annet)						0
7211 PCB-holdige isolerglassruter						0
7240 KFK/HKFK/HFK og fluorkarboner (traktøleanlegg etc)						0
Asbest						0
Annet (fyll inn under)						
Oljeholdig avfall	0.1					0
						0
						0
						0
Sum sortert farlig avfall	0.31	0		0		0
Blandet avfall / restavfall						0
Sum avfall i alt	1405.51	0		0		0
Sorteringsgrad (Sum sortert ordinært avfall + sum sortert farlig avfall) / sum avfall i alt – sorteringsgraden skal være minst 60 % jf. TEK 10 § 9-8)	100	0		0		0
Avfallareal (kg/m²) (sum avfall i alt / bruksareal)	1756.89	0		0		0

Erklæring

Alt avfall etter riving er medtatt i sluttrapporten som sammen med søknad om ferdigattest sendes kommunen

Gjenstående avfall

Ved Innsending av sluttrapport skal det redegjøres for ev. gjenstående avfall (jf veiledning til SAK10 § 8-1, fjerde ledd). Beregnet mengde (tonn), type avfall og hvordan dette skal håndteres skal oppgis.

Vedlegg

Beskrivelse av vedlegg	Gruppe	Nr. fra – til
Kvittering for deponering av avfall	K	-



Erklæring og underskrift		
Opplysningene gitt i plan og sluttrapport er basert på innkomne data fra de ansvarlig utførende		
Ansvarlig søker for tiltaket		
Foretak		
Kontaktperson	Telefon	Mobiltelefon
E-post		
Dato	Underskrift	
Gjøntas med blokkbokstaver		