

**Council**

Distr.: General  
25 February 2014

Original: English

**Twentieth session**  
Kingston, Jamaica  
14-25 July 2014

**Report and recommendations of the Legal and Technical Commission to the Council of the International Seabed Authority relating to an application by the Government of India for the approval of a plan of work for exploration for polymetallic sulphides**

**I. Introduction**

1. On 26 March 2013, the Secretary-General of the International Seabed Authority received an application for the approval of a plan of work for exploration for polymetallic sulphides in the Area. The application was submitted pursuant to the Regulations on prospecting and exploration for polymetallic sulphides in the Area (ISBA/16/A/12/Rev.1, annex, “the Regulations”) by the Government of India.
2. On 11 April 2013, in accordance with regulation 22 (c) of the Regulations, the Secretary-General issued a note verbale by which he notified the members of the Authority of the receipt of the application and circulated information of a general nature concerning the application. The Secretary-General also placed consideration of the application as an item on the agenda of the meeting of the Legal and Technical Commission held from 8 to 15 July 2013.

**II. Methodology and consideration of the application by the Legal and Technical Commission**

**A. General methodology applied by the Commission in consideration of the application**

3. In its consideration of the application, the Commission noted that, in keeping with the scheme established in article 6 of annex III to the United Nations Convention on the Law of the Sea, it was first required to make an objective determination as to whether the applicant had fulfilled the requirements contained in the Regulations, particularly with respect to the form of applications; whether the



applicant had provided the necessary undertakings and assurances specified in regulation 15 of the Regulations; and whether it had the necessary financial and technical capability to carry out the proposed plan of work for exploration and, as appropriate, had satisfactorily discharged its obligations under any previous contract with the Authority. The Commission is then required to determine, in accordance with regulation 23, paragraph 4, of the Regulations and its procedures, whether the proposed plan of work will provide for effective protection of human health and safety, effective protection and preservation of the marine environment, and will ensure that installations are not established where interference may be caused to the use of recognized sea lanes essential to international navigation or in areas of intense fishing activity. Regulation 23, paragraph 5, of the Regulations goes on to provide that “If the Commission makes the determinations specified in paragraph 3 and determines that the proposed plan of work for exploration meets the requirements of paragraph 4, the Commission shall recommend approval of the plan of work for exploration to the Council”.

4. In considering the proposed plan of work for exploration for polymetallic sulphides, the Commission took into account the principles, policies and objectives relating to activities in the Area as provided for in Part XI and annex III of the Convention and in the Agreement relating to the implementation of Part XI of the United Nations Convention on the Law of the Sea of 10 December 1982.

## **B. Consideration of the application**

5. The Commission considered the application in closed meetings on 9 and 11 July 2013 during the nineteenth session, and on 4 and 6 February 2014 during the twentieth session.

6. Prior to commencing a detailed examination of the application, the Commission invited the applicant’s designated representative, the Chairman of the Earth System Science Organization and Secretary of the Ministry of Earth Sciences, Shailesh Nayak, accompanied by the Director of the National Centre for Antarctic and Ocean Research, S. Rajan, and the High Commissioner of India to Jamaica, H.E. Pratap Singh, to make a presentation of the application. Members of the Commission then asked questions with a view to clarifying certain aspects of the application before convening in closed session to examine the application in detail. Following its initial consideration, the Commission also decided to request the Chair of the Commission to transmit a list of questions to the applicant in writing through the Secretary-General. Responses were received from the applicant; however the Commission did not have sufficient time to complete consideration of the application. It decided to defer consideration of the application to its next meeting, in February 2014, at which it would be taken up as a matter of priority.

### III. Summary of basic information regarding the application

#### A. Identification of the applicant

7. The name and address of the applicant are as follows:

(a) Name: Earth System Science Organization, Ministry of Earth Sciences, Government of India;

(b) Street address: Ministry of Earth Sciences, Prithvi Bhavan, Lodi Road, New Delhi — 110003, India;

(c) Postal address: same as above;

(d) Telephone number: +91-11-24629771-2;

(e) Fax Number: +91-11-24629777;

(f) E-mail address: secretary@moes.gov.in

8. The applicant's designated representative is:

(a) Name: Shailesh Nayak, Chairman, Earth System Science Organization, Secretary to the Government of India, Ministry of Earth Sciences;

(b) Street address: same as above;

(c) Postal address: same as above;

(d) Telephone number: same as above;

(e) Fax number: same as above;

(f) E-mail address: same as above.

9. The applicant is a State party to the Convention.

10. The date of deposit by India of the instrument of ratification of the United Nations Convention on the Law of the Sea is 29 June 1995; the date of ratification of the Agreement relating to the Implementation of Part XI of the United Nations Convention on the Law of the Sea of 10 December 1982 is 29 June 1995.

#### B. Area of application

11. The area under application is located in the Central Indian Ocean and forms part of the Indian Ocean ridge. It consists of 100 blocks measuring approximately 10 km by 10 km each, but not exceeding 100 km<sup>2</sup>. The blocks are grouped into five clusters, each containing from 15 to 30 blocks. The application area is confined within a rectangular area not exceeding 300,000 km<sup>2</sup> in size and where the longest side does not exceed 1,000 km. The coordinates and general location of the area under application are shown in the annex to the present document. The application area is in the international seabed area.

**C. Other information**

12. The applicant has been previously awarded a contract with the Authority as follows:

(a) The Government of India and the Authority signed a contract for exploration for polymetallic nodules in the Area on 25 March 2002;

(b) The reports submitted to the Authority in connection with the contract for exploration for polymetallic nodules are listed in the application;

(c) The date of expiration of the contract is 24 March 2017.

13. The applicant attached a written undertaking signed by the applicant's designated representative, in compliance with regulation 15 of the Regulations.

14. The applicant elects to offer an equity interest in a joint venture arrangement in accordance with regulation 19 of the Regulations.

15. The applicant has paid a fee of \$500,000 in accordance with regulation 21, paragraph 1 (a) of the Regulations.

**IV. Examination of information and technical data submitted by the applicant**

16. The following technical documents and information were submitted in the application:

(a) Information relating to the area under application:

(i) Charts of the location of the clusters and blocks;

(ii) A list of the coordinates of the corners of 100 blocks under application;

(b) A certificate of sponsorship;

(c) Information to enable the Council to determine whether the applicant is financially capable of carrying out the proposed plan of work for exploration;

(d) Information to enable the Council to determine whether the applicant is technically capable of carrying out the proposed plan of work for exploration, including previous experience and expertise developed;

(e) Plan of work for exploration;

(f) Training programmes;

(g) Written undertakings by the applicant;

(h) Previous contracts.

## **V. Consideration of financial and technical qualifications of the applicant**

### **A. Financial capacity**

17. The Commission noted that the applicant provided a statement signed by its designated representative by which the applicant commits to undertaking all its responsibilities as prescribed in regulation 15 of the Regulations. The applicant stated that the necessary funds required for implementation of the proposed plan of work would be made available. The applicant committed to meeting its financial obligations to the Authority.

### **B. Technical capacity**

18. The Commission noted that the applicant referred to the experience gained as a pioneer investor and a contractor exploring nodules. The proposed activities are scheduled in three five-year phases and will include mapping, geological sampling and environmental baseline data collection and assessment. Activities related to resource assessment and environmental baseline studies will be carried out concurrently. The objectives are to analyse and evaluate the collected data in order to make relinquishments in accordance with the Regulations, to identify and select promising blocks and clusters for hydrothermal sulphide mineralization, and to establish environmental baselines. The programme for oceanographic and environmental baseline studies will be conducted in active and inactive hydrothermal sites in the area under application. During the initial phase, the proposed exploration activities will aim at surveying the seabed and sub-seabed morphology, structural characteristics and location of hydrothermal fields in and around the proposed exploration area. During the last five-year phase, the applicant proposes to undertake a pilot study to evaluate the impact on the environment of exploration activities, such as dredging, core drilling and box coring. The applicant also provided details on the equipment and instruments that will be used, together with a yearly schedule of survey and exploration, and environmental baseline data collection and assessment for the immediate five-year programme of activities.

19. The applicant stated that the proposed exploration activities were unlikely to create any serious disturbance on the seafloor and on the water column immediately above the seafloor. Those activities were classified as activities not requiring an environmental impact assessment by the Commission. However, applying a precautionary approach, the applicant would undertake a programme of oceanographic and environmental baseline studies over the three five-year phases of the plan of work, in order to assess any local disturbance that may be caused by sampling.

20. The parameters evaluated under the baseline environmental study would also be repeated during the entire 15-year period, in order to assess any effects on the watercolumn and benthic environment. This programme would aim at establishing environmental baselines, conducting monitoring programmes and assessing possible impacts of activities at both active and dormant hydrothermal sites in the area under application. The studies would cover both benthic and pelagic environments, including microbial components. The first ten years would focus on the collection of

baseline oceanographic and environmental data and at the end of the tenth year, the applicant would identify impact reference zones and preservation reference zones. The impact reference zones may be identified on the representativeness of environmental characteristics, including the biota, of the area to be subject to disturbances during exploration, particularly areas that are earmarked for physical sampling of rocks, sediments and minerals through dredging, coring, grab, etc. The preservation reference zones may be large enough in order not to be affected by the natural variations of local environmental conditions. Such an area was envisaged to be outside the sampling-induced disturbances area. During the last five-year phase, the applicant would carry out specific environmental impact studies in the identified impact reference zones after completion of sampling. The applicant would provide all data in a standardized format to the Authority. Applying a precautionary approach, the applicant would evaluate any impact caused by the oxidization of minerals collected during exploration.

21. The applicant provided information related to the prevention, reduction and control of hazards and possible impacts to the marine environment in the short and long term. That included the creation of a system for pollution and other hazard assessment, the conduct of harm assessment, the development of an emergency action plan and the constitution of a system of notification and information with a central crisis group and a crisis alert system, and the establishment of a support system for the adoption of decisions in emergency situations.

## **VI. Consideration of data and information submitted for approval of the plan of work for exploration**

22. In accordance with regulation 20 of the Regulations, the applicant submitted the following information for approval of the plan of work for exploration:

(a) A general description and schedule of the proposed exploration programme, including the programme of activities for the immediate five-year period;

(b) A description of the programme for oceanographic and environmental baseline studies in accordance with the Regulations and any environmental rules, regulations and procedures established by the Authority that would enable an assessment of the potential environmental impact, including, but not restricted to, the impact on biodiversity of the proposed exploration activities, taking into account any recommendations issued by the Legal and Technical Commission;

(c) A preliminary assessment of the possible impact of the proposed exploration activities on the marine environment;

(d) A description of proposed measures for the prevention, reduction and control of pollution and other hazards, as well as possible impacts, to the marine environment;

(e) Data necessary for the Council to make the determination, as required by regulation 13, paragraph 1;

(f) A schedule of anticipated yearly expenditures in respect of the programme of activities for the immediate five-year period.

## VII. Training programmes

23. The applicant proposed to offer training opportunities for three trainees. This would take place on board its research vessels and at three of its scientific institutions, namely: the National Centre for Antarctic and Ocean Research in Goa; the National Institute of Ocean Technology, in Chennai; and the Indian National Centre for Ocean Information Services, in Hyderabad. The applicant stated that, in accordance with regulation 29 and section 8 of annex 4 to the Regulations, the contractor would draw up detailed training programmes in consultation and cooperation with the Authority. The Commission emphasized that the applicant and the Secretary-General, in developing the training programmes, should ensure that they were in line with the Recommendations for the guidance of contractors and sponsoring States relating to training programmes under plans of work for exploration, as developed by the Commission during its nineteenth session ([ISBA/19/LTC/14](#)).

## VIII. Conclusion and recommendations

24. Having examined the particulars submitted by the applicant, summarized in sections III to VII above, the Commission is satisfied that the application has been duly submitted in accordance with the Regulations and that the applicant is a qualified applicant within the meaning of annex III, article 4, of the Convention. The Commission is further satisfied that the applicant:

- (a) Has complied with the provisions of the Regulations;
- (b) Has given the undertakings and assurances specified in regulation 15 of the Regulations;
- (c) Possesses the financial and technical capability to carry out the proposed plan of work for exploration.

25. The Commission states that none of the conditions in regulation 23, paragraph 6 of the Regulations apply.

26. With respect to the proposed plan of work for exploration, the Commission is satisfied that the proposed plan of work for exploration will:

- (a) Provide for effective protection of human health and safety;
- (b) Provide for effective protection and preservation of the marine environment;
- (c) Ensure that installations are not established where interference may be caused to the use of recognized sea lanes essential to international navigation or in areas of intense fishing activity.

27. Accordingly, pursuant to regulation 23, paragraph 5, the Commission recommends to the Council approval of the plan of work for exploration for polymetallic sulphides submitted by the Government of India.

## Annex I

### List of coordinates of the area under application in decimal degrees following the World Geodetic System 1984 geographical projection system

#### Cluster A

<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
1	69.50222068	22.99760244
	69.50222068	23.08821326
	69.59985794	23.08821326
	69.59985794	22.99760244
2	69.40458174	23.08821326
	69.40458174	23.17826241
	69.50222068	23.17826241
	69.50222068	23.08821326
3	69.50222068	23.08821326
	69.50222068	23.17826241
	69.59985794	23.17826241
	69.59985794	23.08821326
4	69.20944032	23.17826241
	69.20944032	23.26909546
	69.30714708	23.26909546
	69.30714708	23.17826241
5	69.30714708	23.17826241
	69.30714708	23.26909546
	69.40458174	23.26909546
	69.40458174	23.17826241
6	69.40458174	23.17826241
	69.40458174	23.26909546
	69.50222068	23.26909546
	69.50222068	23.17826241
7	69.50222068	23.17826241
	69.50222068	23.26909546
	69.59985794	23.26909546
	69.59985794	23.17826241
8	69.01403446	23.26909546
	69.01403446	23.35968723
	69.11180804	23.35968723
	69.11180804	23.26909546



<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
9	69.11180804	23.26909546
	69.11180804	23.35968723
	69.20944032	23.35968723
	69.20944032	23.26909546
10	69.20944032	23.26909546
	69.20944032	23.35968723
	69.30714708	23.35968723
	69.30714708	23.26909546
11	69.30714708	23.26909546
	69.30714708	23.35968723
	69.40458174	23.35968723
	69.40458174	23.26909546
12	69.40458174	23.26909546
	69.40458174	23.35968723
	69.50222068	23.35968723
	69.50222068	23.26909546
13	69.50222068	23.26909546
	69.50222068	23.35968723
	69.59985794	23.35968723
	69.59985794	23.26909546
14	69.01403446	23.35968723
	69.01403446	23.45001688
	69.11180804	23.45001688
	69.11180804	23.35968723
15	69.11180804	23.35968723
	69.11180804	23.45001688
	69.20944032	23.45001688
	69.20944032	23.35968723
16	69.20944032	23.35968723
	69.20944032	23.45001688
	69.30714708	23.45001688
	69.30714708	23.35968723
17	69.30714708	23.35968723
	69.30714708	23.45001688
	69.40458174	23.45001688
	69.40458174	23.35968723
18	69.40458174	23.35968723
	69.40458174	23.45001688
	69.50222068	23.45001688

<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
	69.50222068	23.35968723
19	69.50222068	23.35968723
	69.50222068	23.45001688
	69.59985794	23.45001688
	69.59985794	23.35968723
20	69.01403446	23.45001688
	69.01403446	23.54019250
	69.11180804	23.54019250
	69.11180804	23.45001688
21	69.11180804	23.45001688
	69.11180804	23.54019250
	69.20944032	23.54019250
	69.20944032	23.45001688
22	69.20944032	23.45001688
	69.20944032	23.54019250
	69.30714708	23.54019250
	69.30714708	23.45001688
23	69.30714708	23.45001688
	69.30714708	23.54019250
	69.40458174	23.54019250
	69.40458174	23.45001688
24	69.40458174	23.45001688
	69.40458174	23.54019250
	69.50222068	23.54019250
	69.50222068	23.45001688
25	69.50222068	23.45001688
	69.50222068	23.54019250
	69.59985794	23.54019250
	69.59985794	23.45001688
26	69.01403446	23.54019250
	69.01403446	23.63021861
	69.11180804	23.63021861
	69.11180804	23.54019250
27	69.11180804	23.54019250
	69.11180804	23.63021861
	69.20944032	23.63021861
	69.20944032	23.54019250
28	69.20944032	23.54019250
	69.20944032	23.63021861
	69.30714708	23.63021861

---

<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
29	69.30714708	23.54019250
	69.30714708	23.54019250
	69.30714708	23.63021861
	69.40458174	23.63021861
	69.40458174	23.54019250
30	69.40458174	23.54019250
	69.40458174	23.63021861
	69.50222068	23.63021861
	69.50222068	23.54019250

---

**Cluster B**

<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
31	69.80937441	24.72886074
	69.80937441	24.81859711
	69.90834694	24.81859711
	69.90834694	24.72886074
32	69.90834694	24.72886074
	69.90834694	24.81859711
	70.00728649	24.81859711
	70.00728649	24.72886074
33	70.00728649	24.72886074
	70.00728649	24.81859711
	70.10622249	24.81859711
	70.10622249	24.72886074
34	69.80937441	24.81859711
	69.80937441	24.90889827
	69.90834694	24.90889827
	69.90834694	24.81859711
35	69.90834694	24.81859711
	69.90834694	24.90889827
	70.00728649	24.90889827
	70.00728649	24.81859711
36	70.00728649	24.81859711
	70.00728649	24.90889827
	70.10622249	24.90889827
	70.10622249	24.81859711
37	69.80937441	24.90889827
	69.80937441	24.99919833
	69.90834694	24.99919833
	69.90834694	24.90889827
38	69.90834694	24.90889827
	69.90834694	24.99919833
	70.00728649	24.99919833
	70.00728649	24.90889827
39	70.00728649	24.90889827
	70.00728649	24.99919833
	70.10622249	24.99919833
	70.10622249	24.90889827
40	69.80937441	24.99919833
	69.80937441	25.08949727
	69.90834694	25.08949727

<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
	69.90834694	24.99919833
41	69.90834694	24.99919833
	69.90834694	25.08949727
	70.00728649	25.08949727
	70.00728649	24.99919833
42	70.00728649	24.99919833
	70.00728649	25.08949727
	70.10622249	25.08949727
	70.10622249	24.99919833
43	69.80937441	25.08949727
	69.80937441	25.17979509
	69.90834694	25.17979509
	69.90834694	25.08949727
44	69.90834694	25.08949727
	69.90834694	25.17979509
	70.00728649	25.17979509
	70.00728649	25.08949727
45	70.00728649	25.08949727
	70.00728649	25.17979509
	70.10622249	25.17979509
	70.10622249	25.08949727
46	69.80937441	25.17979509
	69.80937441	25.27009180
	69.90834694	25.27009180
	69.90834694	25.17979509
47	69.90834694	25.17979509
	69.90834694	25.27009180
	70.00728649	25.27009180
	70.00728649	25.17979509
48	70.00728649	25.17979509
	70.00728649	25.27009180
	70.10622249	25.27009180
	70.10622249	25.17979509
49	69.80937441	25.27009180
	69.80937441	25.36038739
	69.90834694	25.36038739
	69.90834694	25.27009180
50	69.90834694	25.27009180
	69.90834694	25.36038739
	70.00728649	25.36038739
	70.00728649	25.27009180

## Cluster C

<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
51	67.78652639	26.19113583
	67.78652639	26.28111250
	67.88547806	26.28111250
	67.88547806	26.19113583
52	67.68723944	26.28111250
	67.68723944	26.37048472
	67.78652639	26.37048472
	67.78652639	26.28111250
53	67.78652639	26.28111250
	67.78652639	26.37048472
	67.88547806	26.37048472
	67.88547806	26.28111250
54	67.48283889	26.37048472
	67.48283889	26.45899833
	67.58312083	26.45899833
	67.58312083	26.37048472
55	67.58312083	26.37048472
	67.58312083	26.45899833
	67.68723944	26.45899833
	67.68723944	26.37048472
56	67.37801806	26.45899833
	67.37801806	26.54594917
	67.48283889	26.54594917
	67.48283889	26.45899833
57	67.48283889	26.45899833
	67.48283889	26.54594917
	67.58312083	26.54594917
	67.58312083	26.45899833
58	67.17672361	26.54594917
	67.17672361	26.63737917
	67.27626694	26.63737917
	67.27626694	26.54594917
59	67.27626694	26.54594917
	67.27626694	26.63737917
	67.37801806	26.63737917
	67.37801806	26.54594917
60	67.07725139	26.63737917
	67.07725139	26.72386611

<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
	67.17672361	26.72386611
	67.17672361	26.63737917
61	66.87460750	26.72386611
	66.87460750	26.81122611
	66.97676528	26.81122611
	66.97676528	26.72386611
62	66.97676528	26.72386611
	66.97676528	26.81122611
	67.07725139	26.81122611
	67.07725139	26.72386611
63	66.7781825	26.81122611
	66.7781825	26.90293194
	66.8746075	26.90293194
	66.8746075	26.81122611
64	66.87460750	26.81122611
	66.87460750	26.90293194
	66.97676528	26.90293194
	66.97676528	26.81122611
65	66.7781825	26.90293194
	66.7781825	26.99733972
	66.8746075	26.99733972
	66.8746075	26.90293194

**Cluster D**

<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
66	67.98350278	26.55269250
	67.98350278	26.64296917
	68.08388556	26.64296917
	68.08388556	26.55269250
67	68.08388556	26.55269250
	68.08388556	26.64296917
	68.18363139	26.64296917
	68.18363139	26.55269250
68	67.78179333	26.64296917
	67.78179333	26.73393111
	67.88136611	26.73393111
	67.88136611	26.64296917
69	67.88136611	26.64296917
	67.88136611	26.73393111
	67.98350278	26.73393111
	67.98350278	26.64296917
70	67.98350278	26.64296917
	67.98350278	26.73393111
	68.08388556	26.73393111
	68.08388556	26.64296917
71	68.08388556	26.64296917
	68.08388556	26.73393111
	68.18363139	26.73393111
	68.18363139	26.64296917
72	67.57978167	26.73393111
	67.57978167	26.82102417
	67.67926083	26.82102417
	67.67926083	26.73393111
73	67.67926083	26.73393111
	67.67926083	26.82102417
	67.78179333	26.82102417
	67.78179333	26.73393111
74	67.78179333	26.73393111
	67.78179333	26.82102417
	67.88136611	26.82102417
	67.88136611	26.73393111
75	67.88136611	26.73393111
	67.88136611	26.82102417



<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
	67.98350278	26.82102417
	67.98350278	26.73393111
76	67.47685167	26.82102417
	67.47685167	26.91030917
	67.57978167	26.91030917
	67.57978167	26.82102417
77	67.57978167	26.82102417
	67.57978167	26.91030917
	67.67926083	26.91030917
	67.67926083	26.82102417
78	67.67926083	26.82102417
	67.67926083	26.91030917
	67.77986861	26.91030917
	67.77986861	26.82102417
79	67.47685167	26.91030917
	67.47685167	27.00056778
	67.57978167	27.00056778
	67.57978167	26.91030917
80	67.57978167	26.91030917
	67.57978167	27.00056778
	67.67926083	27.00056778
	67.67926083	26.91030917

## Cluster E

<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
81	63.70251417	27.56996528
	63.70251417	27.65968528
	63.80447111	27.65968528
	63.80447111	27.56996528
82	63.80447111	27.56996528
	63.80447111	27.65968528
	63.90584889	27.65968528
	63.90584889	27.56996528
83	63.90584889	27.56996528
	63.90584889	27.65968528
	64.00722333	27.65968528
	64.00722333	27.56996528
84	63.70251417	27.65968528
	63.70251417	27.75050667
	63.80447111	27.75050667
	63.80447111	27.65968528
85	63.80447111	27.65968528
	63.80447111	27.75050667
	63.90584889	27.75050667
	63.90584889	27.65968528
86	63.90584889	27.65968528
	63.90584889	27.75050667
	64.00722333	27.75050667
	64.00722333	27.65968528
87	63.60220250	27.75050667
	63.60220250	27.84077528
	63.70251417	27.84077528
	63.70251417	27.75050667
88	63.70251417	27.75050667
	63.70251417	27.84077528
	63.80447111	27.84077528
	63.80447111	27.75050667
89	63.80447111	27.75050667
	63.80447111	27.84077528
	63.90584889	27.84077528
	63.90584889	27.75050667
90	63.90584889	27.75050667
	63.90584889	27.84077528
	64.00722333	27.84077528

<i>Block Number</i>	<i>Longitude E</i>	<i>Latitude S</i>
	64.00722333	27.75050667
91	63.60220250	27.84077528
	63.60220250	27.93104306
	63.70251417	27.93104306
	63.70251417	27.84077528
92	63.70251417	27.84077528
	63.70251417	27.93104306
	63.80447111	27.93104306
	63.80447111	27.84077528
93	63.80447111	27.84077528
	63.80447111	27.93104306
	63.90584889	27.93104306
	63.90584889	27.84077528
94	63.90584889	27.84077528
	63.90584889	27.93104306
	64.00722333	27.93104306
	64.00722333	27.84077528
95	63.60220250	27.93104306
	63.60220250	28.02130944
	63.70251417	28.02130944
	63.70251417	27.93104306
96	63.70251417	27.93104306
	63.70251417	28.02130944
	63.80447111	28.02130944
	63.80447111	27.93104306
97	63.80447111	27.93104306
	63.80447111	28.02130944
	63.90584889	28.02130944
	63.90584889	27.93104306
98	63.60220250	28.02130944
	63.60220250	28.11157472
	63.70251417	28.11157472
	63.70251417	28.02130944
99	63.70251417	28.02130944
	63.70251417	28.11157472
	63.80447111	28.11157472
	63.80447111	28.02130944
100	63.80447111	28.02130944
	63.80447111	28.11157472
	63.90584889	28.11157472
	63.90584889	28.02130944

## Annex II

## Map of the general location of the area under application

