

Sindh Public Procurement Regulatory Authority

Bidding Documents

For

International Competitive Bidding

Procurement of Goods

PART TWO (PROCUREMENT SPECIFIC PROVISIONS)

- Invitation for Bids (IFB)
- Bid Data Sheet (BDS)
- Special Conditions of Contract (SCC)
- Schedule of Requirements
- Technical Specifications
- Sample Form
- Eligibility

Preface

These Bidding Documents have been prepared for use by procuring agencies in the procurement of goods through National Competitive Bidding (NCB).

In order to simplify the preparation of bidding documents for each procurement, the Bidding Documents are grouped in two parts based on provisions which are fixed and that which are specific for each procurement. Provisions which are intended to be used unchanged are in Part one, which includes Section I, Instructions to Bidders, and Section II, General Conditions of Contract. Data and provisions specific to each procurement and contract are included in Part Two which includes Section II, Bid Data Sheet; Section III, Special Conditions of Contract; Section IV, Schedule of Requirements; Section V, Technical Specifications; and the forms to be used in Section I, Invitation for Bids, and Section VI, Sample Forms.

This is Part Two and contains data and provisions specific to each procurement. Care should be taken to check the relevance of the provisions of the Bidding Documents against the requirements of the specific goods to be procured. The following general directions should be observed when using the documents. In addition, each section is prepared with notes intended only as information for the Procuring agency or the person drafting the bidding documents. They shall *not* be included in the final documents, except for the notes introducing Section VI, Forms, where the information is useful for the Bidder.

- (a) Specific details, such as the "name of the Procuring agency" and "address for bid submission," should be furnished in the Invitation for Bids, in the Bid Data Sheet, and in the Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- (b) Amendments, if any, to the Instructions to Bidders and to the General Conditions of Contract should be made through the Bid Data Sheet and the Special Conditions of Contract, respectively.
- (c) Footnotes or notes in italics included in the Invitation for Bids, Bid Data Sheet, Special Conditions of Contract, and in the Schedule of Requirements are not part of the text of the document, although they contain instructions that the Procuring agency should strictly follow. The final document should contain no footnotes.

- (d) The criteria for bid evaluation and the various methods of evaluation in the Instructions to Bidders (Clauses 25.3 and 25.4, respectively) should be carefully reviewed. Only those that are selected to be used for the procurement in question should be retained and expanded, as required, in the Bid Data Sheet or in the Technical Specifications, as appropriate. The criteria that are not applicable should be deleted from the Bid Data Sheet.
- (e) Clauses included in the Special Conditions of Contract are illustrative of the provisions that should be drafted specifically by the Procuring agency for each procurement.
- (f) The forms provided in Section VI should be completed by the Bidder or the Supplier; the footnotes in these forms should remain, since they contain instructions which the Bidder or the Supplier should follow.

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Part Two

Section I. Invitation for Bids

Notes on the Invitation for Bids

The Invitation for Bids (IFB) shall be issued as an advertisement in at least three newspaper of general circulation in the Province of Sindh or Authorities web site as the case may be, allowing at least fifteen days for NCB and forty five days(45) ICB for bid preparation and submission ;

The Invitation for Bids provides information that enables interested bidders to decide whether to participate. Apart from the essential items listed in the Standard Bidding Documents (SBD), the Invitation for Bids should also indicate any important bid evaluation criteria or qualification requirement (for example, a requirement for a minimum level of experience in manufacturing a similar type of goods for which the Invitation for Bids is issued) and that the bidders should give their best and final prices as no negotiations are allowed.

The Invitation for Bids should be incorporated into the bidding documents. The information contained in the Invitation for Bids must conform to the bidding documents and in particular to the relevant information in the Bid Data Sheet.

Invitation for Bids

Date: *[date of issuance of IFB]*

IFB N^o:

1. The *[name of Procuring agency]* has received an allocation from the Public Fund in Pak rupees / Foreign Currency towards the cost of *[name of Project]*. It is intended that part of the proceeds of this allocated fund will be applied to eligible payments under the contract for *[title of contract]*.
2. The *[name of the Procuring agency]* now invites sealed bids from eligible bidders for the supply of *[brief description of the goods and related services]*.
3. Interested eligible bidders may obtain further information from and inspect the bidding documents at the office of *[name of appropriate purchasing unit]* *[mailing address of appropriate office for inquiry and issuance of bidding documents and cable, telex, and/or facsimile numbers]*.
4. A complete set of bidding documents may be purchased by interested bidders on the submission of a written application to the above and upon payment of a nonrefundable fee of *[amount in Pak. Rupees]*
5. The provisions in the Instructions to Bidders and in the General Conditions of Contract are the provisions of the Sindh Public Procurement Ordinance and its Rules made thereunder which also conform to the requirements of the World Bank *Standard Bidding Documents: Procurement of Goods for National Competitive Bidding, Pakistan, Part One*.
6. Bids must be delivered to the above office on or before *[time]* on *[date]* and must be accompanied by a security of *[fixed sum or percentage]*.
7. Bids will be opened in the presence of bidders' representatives who choose to attend at *[time and date]* at the offices of *[address of appropriate office]*.
8. The bidders are requested to give their best and final prices as no negotiations are expected.

Section II. Bid Data Sheet

Notes on the Bid Data Sheet

Section II is intended to assist the Procuring agency in providing the specific information in relation to corresponding clauses in the Instructions to Bidders included in Part one Section I, and has to be prepared for each specific procurement.

The Procuring agency should specify in the Bid Data Sheet information and requirements specific to the circumstances of the Procuring agency, the processing of the procurement, the applicable rules regarding bid price and currency, and the bid evaluation criteria that will apply to the bids. In preparing Section II, the following aspects should be checked:

- (a) Information that specifies and complements provisions of Part One Section I must be incorporated.
- (b) Amendments and/or supplements, if any, to provisions of Part One Section I as necessitated by the circumstances of the specific procurement, must also be incorporated.

Bid Data Sheet

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB) Part One. Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

[Instructions for completing the Bid Data Sheet are provided, as needed, in the notes in italics mentioned for the relevant ITB Clauses.]

Introduction	
ITB 1.1	Name of Procuring Agency: Gorakh Development Authority, Government of Sindh.
ITB 1.1	Loan or credit or Project allocation number. Loan or credit or Project allocation amount. <i>[when applicable]</i>
ITB 1.1	Name of Project.
ITB 1.1	Name of Contract. <i>[For a Project requiring similar but separate items of equipment specified in the Schedule of Requirements, bids may be invited under alternative contract options, and the Bidder should be allowed, at its option, to bid for individual contracts or for a group of similar contracts (package). The basis for bid evaluation and contract award, by item or package, shall be specified herein.]</i>
ITB 4.1	Name of Procuring agency.
ITB 6.1	Procuring agency's address, telephone, telex, and facsimile numbers.
ITB 8.1	Language of the bid. <i>[Insert appropriate language]</i>

Bid Price and Currency

ITB 11.2

The price quoted shall be: US Dollar, for comparison of other currency shall be converted into US\$ at the exchange rate provided by State Bank of Pakistan on the day of Opening of Bid, Price shall include installation, commissioning and operation of cable cars and chairlift and training of personnel.

[The related provisions shall be reflected accordingly in SCC and Price Schedules.]

ITB 11.5

The price shall be fixed,

Preparation and Submission of Bids		
ITB 13.3 (d)	<p>Qualification requirements.</p> <p>Bidder shall have successfully installed at least three similar projects in more than one country outside their home country. Preference shall be given to companies having experience of similar projects in Pakistan</p> <p>Supplier /service provider shall submit authorization from the manufacturer who shall have Ten years of manufacturing a similar type of goods for which the Invitation for Bids is issued.</p> <p>Supplier /Service provider shall observe European safety standard including CEN/OITAF in installation and operation of the equipment.</p>	
ITB 14.3 (b)	Spare parts required for _____ 15 (Fifteen years of operation.	
ITB 15.1	<p>Amount of bid security.</p> <p>1% of bid value in shape of Pay Order or Bank Guarantee from any Schedule Bank of Pakistan</p>	
ITB 16.1	<p>Bid validity period.</p> <p>60 days from opening of Bid</p>	
ITB 17.1	<p>Number of copies.</p> <p>One Original one Copy</p>	
ITB 18.2 (a)	<p>Address for bid submission.</p> <p>Director General Gorakh Hills Development Authority, Plot # 25/II/A, Street # 32 Saba Avenue Phase V. Extension DHA Karachi</p>	
ITB 18.2 (b)	<p>IFB title and number.</p> <p>Supply Installation of Cable Cars/Chairlift at Gorakh Hills</p>	
ITB 19.1	Deadline for bid submission. 5.10.2016 (2.00pm)	
ITB 22.1	<p>Time, date, and place for bid opening.</p> <p>3.00 pm 5.10.2016 at the office of Director General Gorakh Hills Development Authority, Plot # 25/II/A, Street # 32 Saba Avenue Phase V. Extension DHA Karachi</p>	

Bid Evaluation

ITB 25.3	<p>Criteria for bid evaluation.</p> <p>Least cost method including ITB 25.2, 25.3 (a) (d) (e)</p> <p>[Minimum service facilities and parts inventories or reference to the Technical Specifications.]</p>
ITB 25.4 (f)	<p>Operating and maintenance costs.</p> <p>Factors for calculation of the life cycle cost:</p> <ul style="list-style-type: none"> (i) number of years for life cycle <i>[it is recommended that the life cycle period should not exceed the usual period before a planned major overhaul of the goods];</i> (ii) operating costs <i>[e.g., fuel and/or other input, unit cost, and annual and total operational requirements];</i> (iii) maintenance costs <i>[e.g., spare parts—without duplication of above Clause 25.4(d) requirements—and/or other inputs];</i> and (iv) rate, as a percentage, to be used to discount all annual future costs calculated under (ii) and (iii) above to present value. <p>or</p> <p>Reference to the methodology specified in the Technical Specifications or elsewhere in the bidding documents. <i>[The contractual liquidated damages specified in the SCC shall be higher than the evaluation advantage.]</i></p>
ITB 25.4 (g)	<p>Performance and productivity of equipment.</p> <p><i>[Specify the applicable procedure and the adjustment factor (in the currency used for bid evaluation, as applicable), as required. The adjustment factor should</i></p>

	<i>apply to the norm that shall be used and that shall either be specified in the Technical Specifications or shall be the value committed in the responsive bid with the best guaranteed performance or productivity; the contractual liquidated damages specified in the SCC shall be higher than the evaluation advantage.]</i>
ITB 25.4 (h)	Details on the evaluation method or reference to the Technical Specifications.
ITB 25.4 Alternative	Specify the evaluation factors. <i>[The method shall be used only when a more elaborate quantification is either impractical or unjustified due to the small value of the procurement.]</i>

Contract Award	
ITB 29.1	Percentage for quantity increase or decrease. 15% of contract value

Section III. Special Conditions of Contract

Notes on the Special Conditions of Contract

Similar to the Bid Data Sheet in Section II, the clauses in this Section are intended to assist the Procuring agency in providing contract- specific information in relation to corresponding clauses in the General Conditions of Contract.

The provisions of Section III complement the General Conditions of Contract included in Part one, Section II, specifying contractual requirements linked to the special circumstances of the Procuring agency, the Procuring agency's country, the sector, and the Goods purchased. In preparing Section III, the following aspects should be checked:

- (a) Information that complements provisions of Part one Section II must be incorporated.
- (b) Amendments and/or supplements to provisions of Part one Section II, as necessitated by the circumstances of the specific purchase, must also be incorporated.

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Special Conditions of Contract

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

[Instructions for completing the Special Conditions of Contract are provided, as needed, in the notes in italics mentioned for the relevant SCC. Where sample provisions are furnished, they are only illustrative of the provisions that the Procuring agency should draft specifically for each procurement.]

1. Definitions (GCC Clause 1)

GCC 1.1 (g)—The Procuring agency is:

GCC 1.1 (h)—The Procuring agency's country is:

GCC 1.1 (i)—The Supplier is:

Sample Provision

GCC 1.1 (j)—The Project Site is: Gorakh Hills District Dadu

2. Country of Origin (GCC Clause 3)

All countries and territories as indicated in Part Two Section VI of the bidding documents, "Eligibility for the Provisions of Goods, Works, and Services in Government-Financed Procurement".

3. Performance Security (GCC Clause 7)

GCC 7.1—The amount of performance security, as a percentage of the Contract Price, shall be: 5% (Five (5)) percent of the Contract Price

[The following provision should be used in the case of Goods having warranty obligations.]

GCC 7.4—After delivery and acceptance of the Goods, the performance security shall be reduced to two (2) percent of the Contract Price to cover the Supplier's warranty obligations in accordance with Clause GCC 15.2.

4. Inspections and Tests (GCC Clause 8)

GCC 8.6—Inspection and tests prior to shipment of Goods and at final acceptance are as follows:

5. Packing (GCC Clause 9)*Sample provision*

GCC 9.3—The following SCC shall supplement GCC Clause 9.2:

6. Delivery and Documents (GCC Clause 10)*Sample provision (DDP terms)*

GCC 10.3—Upon shipment, the Supplier shall notify the Procuring agency the full details of the shipment, including Contract number, description of Goods, quantity and usual transport document. The Supplier shall mail the following documents to the Procuring agency:

- (i) copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount;
- (ii) original and two copies of the usual transport document (for example, a negotiable bill of lading, a non-negotiable sea waybill, an inland waterway document, an air waybill, a railway consignment note, a road consignment note, or a multimodal transport document) which the buyer may require to take the goods;
- (iii) copies of the packing list identifying contents of each package;
- (iv) insurance certificate;
- (v) Manufacturer's or Supplier's warranty certificate;
- (vi) inspection certificate, issued by the nominated inspection agency, and the Supplier's factory inspection report; and
- (vii) certificate of origin.

7. Insurance (GCC Clause 11)

GCC 11.1— The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is sellers responsibility. Since the Insurance is seller's responsibility they may arrange appropriate coverage.

8. Incidental Services (GCC Clause 13)

GCC 13.1—Incidental services to be provided are:

The Supplier/ Service provider shall provide following services, including additional services:

- (f) performance or supervision of on-site assembly and/or start-up of the supplied Goods;
- (g) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
- (h) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (i) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of 3 years, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
- (j) training of the Procuring agency's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods. The list of personnel to be trained shall provided at the time of signing of the contract.

9. Spare Parts (GCC Clause 14)

GCC 14.1—Additional spare parts requirements are:

Sample provision

GCC 14.1—Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the Goods. Other spare parts and components shall be supplied as promptly as possible, but in any case within six (6) months of placing the order and opening the letter of credit.

10. Warranty (GCC Clause 15)***Sample provision***

GCC 15.2—In partial modification of the provisions, the warranty period shall be 60 months from date of acceptance of the Goods. The Supplier shall, in addition, comply with the performance and/or consumption guarantees specified under the

Contract. If, for reasons attributable to the Supplier, these guarantees are not attained in whole or in part, the Supplier shall, at its discretion, either:

- (a) make such changes, modifications, and/or additions to the Goods or any part thereof as may be necessary in order to attain the contractual guarantees specified in the Contract at its own cost and expense and to carry out further performance tests in accordance with SCC 4,

GCC 15.4 & 15.5—The period for correction of defects in the warranty period is:
30 thirty days

11. Payment (GCC Clause 16)***Sample provision***

GCC 16.1—The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:

Payment for Goods supplied:

Payment shall be made in US\$ through letter of credit in the following manner:

- (i) **On Shipment: Fifty** (50) percent of the Contract Price of the Goods shipped shall be paid through irrevocable confirmed letter of credit opened in favor of the Supplier in a bank in its country, upon submission of documents specified in GCC Clause 10.
- (ii) **On Acceptance:** Ten (30) percent of the Contract Price of Goods received shall be paid within thirty (30) days of receipt of the Goods upon submission of claim supported by the acceptance certificate issued by the Procuring agency.

20 % Payment of local currency portion shall be made in Pak Rupees within thirty (30) days of presentation of claim supported by a certificate from the Procuring agency declaring that the Goods have been installed, operational and that all other contracted Services have been performed.

Payment terms can be negotiated

12. Prices (GCC Clause 17)***Sample provision***

GCC 17.1—Prices shall be adjusted in accordance with provisions in the Attachment to SCC.

N/A

13. Liquidated Damages (GCC Clause 23)

GCC 23.1—Applicable rate: 0.5% per week

Maximum deduction:

TEN 10 percent of the Contract Price.

14. Resolution of Disputes (GCC Clause 28)

GCC 28.3—The dispute resolution mechanism to be applied pursuant to GCC Clause 28.2 shall be as follows:

In the case of a dispute between the Procuring agency and the Supplier, the dispute shall be referred to adjudication or arbitration in accordance with the laws of the Islamic Republic of Pakistan.

15. Governing Language (GCC Clause 29)

GCC 29.1—The Governing Language shall be: English

16. Applicable Law (GCC Clause 30)

GCC 30.1—The Contract shall be interpreted in accordance with the laws of Islamic Republic of Pakistan which includes the following legislation:

The Employment of Children (ECA) Act 1991

The Bonded Labour System (Abolition) Act of 1992

The Factories Act 1934

17. Notices (GCC Clause 31)

GCC 31.1—Procuring agency's address for notice purposes:

Director General Gorakh Hills Development

Authority Plot# 25/II, street 32, Saba Avenue Phase

V, Ext. DHA Karachi

Supplier's address for notice purposes:

Section IV. Schedule of Requirements

Notes for Preparing the Schedule of Requirements

The Schedule of Requirements shall be included in the bidding documents by the Procuring agency, and shall cover, at a minimum, a description of the goods and services to be supplied and the delivery schedule.

The objective of the Schedule of Requirements is to provide sufficient information to enable bidders to prepare their bids efficiently and accurately, in particular, the Price Schedule, for which a form is provided in Section VI. In addition, the Schedule of Requirements, together with the Price Schedule, should serve as a basis in the event of quantity variation at the time of award of contract pursuant to ITB Clause 29.

The date or period for delivery should be carefully specified, taking the date prescribed herein from which the Procuring agency's delivery obligations start (i.e., notice of award, contract signature, opening or confirmation of the letter of credit).

Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery required.

Number	Description	Quantity	Delivery schedule (shipment)
			in weeks/months from <u>13 weeks</u>
			Letter of Credit

¹ The Procuring agency must specify here the date from which the delivery schedule will start. That date should be either the date of contract award, or the date of contract signature, or the date of opening of letter of credit, or the date of confirmation of the Letter of Credit, as appropriate. The Bid Form should include only a cross-reference to this Schedule.

Section V. Technical Specifications

Notes for Preparing the Technical Specifications

A set of precise and clear specifications is a prerequisite for bidders to respond realistically and competitively to the requirements of the Procuring agency without qualifying their bids. The specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of economy, efficiency, and fairness in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation facilitated. The specifications should require that all goods and materials to be incorporated in the goods be new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided for otherwise in the contract.

Samples of specifications from previous similar procurements in the same country are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods, although not necessarily to be used in a particular procurement. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized international standards should be used as much as possible. Where other particular standards are used, whether national standards of the Borrower's country or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest current edition or revision of the relevant shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words "or at least equivalent."

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring agency with the bidding documents. Similarly, the Supplier may be requested to provide drawings or samples either with its bid or for prior review by the Procuring agency during contract execution.

Technical Specifications

{Important: Below Specifications are obtained from Internet therefore equivalent specifications can be evaluated.}

SYSTEM DESCRIPTION

The required ropeway system is a bi-cable reversible aerial tramway type with 2 carriers Cable Cars and Chair lifts for transportation of passengers uphill and downhill at a speed which can be selected by the operator(s) within the minimum and maximum range.

The ropeway system shall be designed, manufactured and installed in accordance with the latest standards of ropeway technology, and operate automatically. It will fully comply with the latest international recommendations and safety requirements for Aerial Passenger Ropeways.

The rescue of stranded passengers can be carried out by the following method: Electric

Motor drive via gear motor

Rescue by means of the rescue devices.

In emergency cases the passengers will normally stay in the cabins and will be brought back to the stations by means of the emergency drive. In the event that the ropeway cannot be operated at an, the passengers stranded on the line can be evacuated from their cabins using the existing rescue device(s).

Location of drive station	bottom	
Location of return station	top	
Location of tensioning system	top	
Number of track(s)	2	pcs.
Total number of track rope(s)	2	pcs.
Horizontal length	2'090.00	m
Vertical rise	106.00	m
Inclined length	2'100.00	m
Average grade	5%	
Hourly capacity total (design)	- 240	
pass.th Hourly capacity (design) pphpd	- 120	
pass./h/d (people per hour per direction)		
Uphill transportation	100	%
Downhill transportation	100	%

Drive speed, infinitely adjustable up to	0-7	m/s
Trip time	-6	min
Drive Machinery, Type	Overhead	
Electric main drive:		
- required output continuous	90	kW
- voltage	400	V
- frequency	50	Hz
Emergency drive, diesel output (ISO3046)	9.20	kW
Load capacity per carrier	1,280	kg
Number of carriers	2	pcs.
Door opening operation	automatic	
Number of towers	5	pcs.
Haul rope:		
-diameter	20	mm
Track rope(s) (fully locked)	-diameter 36	mm
Control cable:	-location overhead	
-number of control wires	as required	

Data as indicated above are subject to modification

Ropeway Equipment

Bottom station - Drive station

- 2 steel mast caps anchored to the vertical concrete masts
- 1 crossbeam for track rope anchoring, galvanized
- 2 support for spare track rope length

- 2 track rope anchor muffles for cable dia. 36 mm
- 1 crossbeam with supports for bullwheels and sheaves, galvanized
- 1 drive bullwheel Ø 1600 mm with bearing and support tube with emergency operating feature
- 1 return bullwheel Ø 1600 mm with bearing
- 2 bullwheel position monitoring and bullwheel catcher
- 2 cantilever arms for track rope shoes
- 2 supports for cantilever arm
- 2 track rope shoes
- 6 haul rope guide sheaves dia. 280 mm
- 2 hanger arm guides on station saddle
- 2 puffer with switch, load and signal contact to the carriage
- 2 covers for bull wheels and haul rope
- Electric control unit for ropeway
- Electric control unit for drive with frequency converter Electric control unit for communication and safety Guards, platforms and ladders
- Cabin guide below (loading/unloading)
- 1 gearbox with electric motor 55 kW with flywheel
- 1 service brake attached on the motor
- 1 emergency brake actuating on the drive bullwheel
- 2 tachogenerator with drive coupling
- 1 emergency drive with gear motor 9.2 kW, via sprocket onto ring gear on drive bull wheel (Energy from gen. set)
- 1 swing arm for emergency drive
- Brackets for switches
- 1 hydraulic unit for emergency brake.

Top station- Return station

- 2 steel mast caps anchored to the vertical concrete masts
- 1 crossbeam for track rope anchoring, galvanized

- 2 poller-anchoring with safety clamps for cable dia. 36 mm
- 1 crossbeam with supports for bullwheels and sheaves, galvanized
- 2 return bullwheels 01600 mm with bearing
- 2 bullwheel position monitoring and bullwheel catcher
- 2 cantilever arms for track rope shoes
- 2 supports for cantilever arm
- 2 track rope shoes
- 6 haul rope guide sheaves dia. 280 mm
- 2 hanger arm guides on station saddle
- 2 puffer with switch, load and signal contact to the carriage
- 2 covers for bullwheels and haul rope
- Guards, platforms and ladders
- Cabin guide below (loading/unloading).

3 Line equipment

Towers

All towers are equipped with:

- Embeds (Istor A/B dia. 36x1500 complete)
- Tubular tower shaft
- Tower head (crossarm)
- 2 track rope shoes, rotate-able
- Consoles for track rope shoes
- Rope lifter yoke
- Haul rope guide sheaves dia, 235 mm isolated
- Work platforms with handrails
- Ladder Rope lifter
- Galvanized.

Track rope shoes / sheave assemblies

The rotate-able mounted track rope shoes have a radius of 10.8 meters (to be confirmed in final design), according to the CEN standards. Zinc dust paint serves as corrosion protection. The rope catchers are equipped with electrically monitored

catchers. The haul rope sheaves are rubber lined and isolated mounted in the saddle. The diameter of the sheaves is 235 mm. All frames are galvanized.

Ropes

The track rope is a W 2-Jayerrope with a diameter of 36 mm. A single-mode fiber optic cable is inside the track rope for transmitting the commands to the bottom station.

The haul rope has a construction of 6 x 17 and has a diameter of 20 mm. It is produced with galvanized wires.

The communication rope is connecting the tower with the top station.

Carriers

The carrier has a 8-sheaves carriage. The cabin is connected to the carriage by a rubber suspended hanger arm. There are also swing dampeners in direction of travel incorporated.

The cabin has room for 16 people and is equipped with one automatic tum• sliding door. The doors are closed and locked automatically in the stations.

The two carriers consist of:

Cabin type CWA-OMEGA IV-16 with automatic door and with elastic suspended hanger

Flip-open window on uphill

Carrier with B-sheaves with rubber lined sheaves 0 255 mm and double haul rope grip

Hanger arm with comfort connection

Color and labeling according to customer requests.

Other Equipment

Evacuation equipment

Evacuation equipment for 2 cabins

1 generator set for emergency drive.

Wiring Material

Electric cables from main disconnect switch of electric cabinet in the gondola stations to the electrical equipment of the subject ropeway Control cable on line between the stations.

Electric Controls

Quotation No.: VOPMT-16-0715-00_CCD
Project: Khirthar Range
Type: 16-A T W

For main drive

For emergency drive

Overvoltage protection

Wind speed meter and direction indicator

Speed control

Cabin position indicator

Fault indicators for all control circuits, brake system

Communication system between stations.

Tools and Special Equipment

Complete tool box(es) for service work

Hoisting equipment for rope lifting
frames Sheave liner mounting tool

Rescue device(s).

Wear Parts

Mechanical parts, sufficient for 2 years or 3,000 hours normal operation

Electrical parts, sufficient for 2 years or 3,000 hours normal operation.

Rust Protection

Shot-blasting + anti-corrosive cold zinc primer (steel structures)

Rust protection + paint finish (gear motor housings, cabins,
electrical cabinets).

Section VI. Sample Forms

Notes on the Sample Forms

The Bidder shall complete and submit with its bid the **Bid Form** and **Price Schedules** pursuant to ITB Clause 9 and in accordance with the requirements included in the bidding documents.

When requested in the Bid Data Sheet, the Bidder should provide the **Bid Security**, either in the form included hereafter or in another form acceptable to the Procuring agency, pursuant to ITB Clause 15.3.

The **Contract Form**, when it is finalized at the time of contract award, should incorporate any corrections or modifications to the accepted bid resulting from price corrections pursuant to ITB Clause 16.3 and GCC Clause 17, acceptable deviations (e.g., payment schedule pursuant to ITB Clause 25.4 (c), spare parts pursuant to ITB Clause 25.4 (d), or quantity variations pursuant to ITB Clause 29. The Price Schedule and Schedule of Requirements deemed to form part of the contract should be modified accordingly.

The **Performance Security** and **Bank Guarantee for Advance Payment** forms should not be completed by the bidders at the time of their bid preparation. Only the successful Bidder will be required to provide performance security and bank guarantee for advance payment in accordance with one of the forms indicated herein or in another form acceptable to the Procuring agency and pursuant to GCC Clause 7.3 and SCC 11, respectively.

The **Manufacturer's Authorization** form should be completed by the Manufacturer, as appropriate, pursuant to ITB Clause 13.3 (a).

Sample Forms

1. <i>BID FORM AND PRICE SCHEDULES</i>	23
2. <i>BID SECURITY FORM</i>	26
3. <i>CONTRACT FORM</i>	27
4. <i>PERFORMANCE SECURITY FORM</i>	28
5. <i>BANK GUARANTEE FOR ADVANCE PAYMENT</i>	29
6. <i>MANUFACTURER'S AUTHORIZATION FORM</i>	30

1. Bid Form and Price Schedules

Date:
IFB N^o:

To: *[name and address of Procuring Agency]*

Gentlemen and/or Ladies:

Having examined the bidding documents including Addenda Nos. *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver *[description of goods and services]* in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to _____ percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring agency.

We agree to abide by this Bid for a period of *[number]* days from the date fixed for Bid opening under Clause 22 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount and Currency	Purpose of Commission or gratuity
_____	_____	_____
_____	_____	_____
_____	_____	_____
(if none, state "none")		

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this _____ day of _____ 19_____.

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of

Price Schedule in Pak. Rupees

Name of Bidder _____ IFB Number _____ Page of _____

1	2	3	4	5	6	7
Item	Description	Country of origin	Quantity	Unit price DDP named place	Total DDP per item	Unit price of Delivered duty paid (DDP) to final destination plus price of other incidental services if required ³

Signature of Bidder

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

³ Must be included if required under ITB 11.2

2. Bid Security Form

Whereas *[name of the Bidder]* (hereinafter called "the Bidder") has submitted its bid dated *[date of submission of bid]* for the supply of (hereinafter called "the *[description of the goods]* Bid").

KNOW ALL PEOPLE by these presents that WE *[name of bank]* of *[name of country]*, having our registered office at *[address of bank]* (hereinafter called "the Bank"), are bound unto *[name of Procuring agency]* (hereinafter called "the Procuring agency") in the sum of for which payment well and truly to be made to the said Procuring agency, the Bank binds itself, its successors, and assigns by these presents. Sealed with the Common Seal of the said Bank this ____ day of _____ 19 ____.

THE CONDITIONS of this obligation are:

Part Two - Section VII. Eligibility for the Provision of Goods, Works
and Services in Bank Financed Procurement

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1. If the Bidder withdraws its Bid during the period of bid validity specified by the Bidder on the Bid Form; or
2. If the Bidder, having been notified of the acceptance of its Bid by the Procuring agency during the period of bid validity:
 - (a) fails or refuses to execute the Contract Form, if required; or
 - (b) fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders;

we undertake to pay to the Procuring agency up to the above amount upon receipt of its first written demand, without the Procuring agency having to substantiate its demand, provided that in its demand the Procuring agency will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including twenty eight (28) days after the period of bid validity, and any demand in respect thereof should reach the Bank not later than the above date.

[signature of the bank]

3. Contract Form

THIS AGREEMENT made the _____ day of _____ 19____ between [name of Procuring Agency] of [country of Procuring agency] (hereinafter called "the Procuring agency") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., [brief description of goods and services] and has accepted a bid by the Supplier for the supply of those goods and services in the sum of [contract price in words and figures] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - (a) the Bid Form and the Price Schedule submitted by the Bidder;
 - (b) the Schedule of Requirements;
 - (c) the Technical Specifications;
 - (d) the General Conditions of Contract;
 - (e) the Special Conditions of Contract; and
 - (f) the Procuring agency's Notification of Award.
3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract
4. The Procuring agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by _____ the _____ (for the Procuring agency)

Signed, sealed, delivered by _____ the _____ (for the Supplier)

4. Performance Security Form

To: *[name of Procuring agency]*

WHEREAS *[name of Supplier]* (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated _____ 19____ to supply *[description of goods and services]* (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier's performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the _____ day of _____ 19_____.

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

5. Bank Guarantee for Advance Payment

To: *[name of Procuring agency]*

[name of Contract]

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause 16 of the General Conditions of Contract to provide for advance payment, *[name and address of Supplier]* (hereinafter called "the Supplier") shall deposit with the Procuring agency a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

We, the *[bank or financial institution]*, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Procuring agency on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding *[amount of guarantee in figures and words]*.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the Procuring agency and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[date]*.

Yours truly,

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

6. Manufacturer's Authorization Form

[See Clause 13.3 (a) of the Instructions to Bidders.]

To: *[name of the Procuring agency]*

WHEREAS *[name of the Manufacturer]* who are established and reputable manufacturers of
[name and/or description of the goods] having factories at *[address of factory]*

do hereby authorize *[name and address of Agent]* to submit a bid, and subsequently negotiate and
sign the Contract with you against IFB No. *[reference of the Invitation to Bid]* for the above goods
manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General
Conditions of Contract for the goods offered for supply by the above firm against this
Invitation for Bids.

[signature for and on behalf of Manufacturer]

Note: This letter of authority should be on the letterhead of the Manufacturer and should be
signed by a person competent and having the power of attorney to bind the
Manufacturer. It should be included by the Bidder in its bid.