



PAKHTUNKHWA ENERGY DEVELOPMENT ORGANIZATION

ENERGY & POWER DEPARTMENT GOVERNMENT OF KHYBER PAKHTUNKHWA PAKISTAN

DETAIL DESIGN AND CONSTRUCTION OF MUJAHIDIN HYDROPOWER
PROJECT (6.95 MW) WITH TRANSMISSION LINES
AT BARANDOO RIVER, DISTRICT TORGHAR



PRICE BID EVALUATION REPORT

MARCH 2026



Associated Consulting Engineers – ACE Limited (Lead Firm)

1-C/2, M.M. Alam Road, Gulberg-III, Lahore – Pakistan. Tel: +92 42 35759417 - 19



National Engineering Services Pakistan

1-C, Block-N, Model Town Extension, Lahore 54700, Pakistan



AGES Consultants

House # 57-E, Canal Road, University Town, Peshawar, Khyber Pakhtunkhwa, Pakistan.

Phone: + 92 91 5853837 | Fax: + 92 91 5853838



BAK Consulting Engineers

House# A73-E, Abdara Road University Town, Peshawar.

Tel: 0092-091-5853670/5853674/5703862 Fax:0092-091-5840807

[Handwritten signatures]

TABLE OF CONTENTS

SECTION 1: INTRODUCTION	1
1.1 Background	1
1.2 Constitution of the Procurement Committee	1
1.3 Submission of Bids	2
1.4 Evaluation of Technical Bid	2
1.5 Price Bid Opening	2
1.6 Clarification of Bids	3
SECTION 2: DETAILED EVALUATION	4
2.1 Documents Comprising the Price Bid	4
2.2 Letter of Price Bid	4
2.3 Bid Security	4
2.4 Integrity Pact (Schedule J to Bid)	4
2.5 Estimated Progress Payments (Schedule K to Bid)	5
2.6 Lump Sum Cost Breakdown for Major Cost Items (Schedule L to Bid)	5
2.7 Payment Procedure (Annex-1 – Attachment to PCC Sub-Clause 33.1)	5
2.8 Price Adjustment (Annex 2 – Attachment to PCC Sub Clause 47.1)	5
2.8.1 Table of Adjustment Data - Foreign Currency (Schedule-1)	5
2.8.2 Table of Adjustment Data - Local Currency (Schedule-4)	7
2.9 Schedules of Prices	7
2.10 Determination of Lowest Evaluated Bid	8
2.10.1 Currency of Bid	8
2.10.2 Readout Bid Price	8
2.10.3 Correction of Errors	8
2.10.4 Discounts	8
2.10.5 Price Adjustment	8
2.10.6 Evaluated Bid Price	9
2.10.7 Local and Foreign Currency Components of the Evaluated Bid Price	9
2.11 Overview of the Engineer's Estimate	10
2.12 Comparison of the Evaluated Bid Price to the Engineer's Estimate	11
2.13 Detailed Examination of Lump Sum Prices	12
2.14 Validation of the Engineer Estimate and Market Analysis	13
2.15 Price Negotiation Meeting with Sole Bidder	13
2.16 Meeting of the Procurement Committee on P-BER and Multiple Re-Bidding Options	15
2.17 Meeting of Procurement Committee on P-BER and Revised Eligibility & Qualification Criteria	16
SECTION 3: CONCLUSIONS AND RECOMMENDATIONS	17
3.1 Conclusions	17
3.2 Recommendations of the Procurement Committee:	18

Annexures

Annexure A.	Minutes of 23 rd Executive Committee Meeting.....	20
Annexure B.	Letter of Price Bid Opening.....	28
Annexure C.	Basic Bidding Data Sheet.....	30
Annexure D-1.	Record of Price Bid Opening (Attendance Sheet).....	32
Annexure D-2.	Record of Price Bid Opening (Read out Bid Price).....	34
Annexure D-3.	Record of Price Bid Opening (Bid Security).....	36
Annexure E.	Clarification sought from the Bidder and Bidder's response.....	38
Annexure F.	Comparison of Price Bid to the Engineer's Estimate.....	39
Annexure G.	Validation of the Engineer's estimate and Market Analysis.....	45
Annexure H.	Minutes of 16 th Procurement Committee Meeting regarding Price Negotiations with the sole Bidder, M/s GRC-SMS JV.....	46
Annexure I	Minutes of 17 th Procurement Committee Meeting.....	47
Annexure J	Procurement Committee Meeting- Final Review of P-BER.....	48
Annexure K	Criteria for Evaluation of Technical Bids Pursuant to IB 26.2 (c) (ii)...	49

SECTION 1: INTRODUCTION

1.1 Background

The Energy and Power Department, Government of Khyber Pakhtunkhwa (GoKP), approved the PC-I for implementation of 6.95 MW Mujahidin Hydropower Project (MHPP) on Barandoo River District Torghar. The financial Plan and Mode of financing as proposed consists of 100% through Hydel Development Fund (HDF), and reflected in provincial ADP each year.

The Project is sponsored by (GoKP) and to be executed by PEDO, through EPC/Turnkey mode, using PEC Standard Bidding Documents. The PEDO, accordingly hired the services of Management Consultants (MC) to furnish the Tender Level Designs, Drawings, and Specifications, also the preparation of Bidding Documents on the basis of Single Stage, Two Envelope Bidding Procedure; in line with PEC Standard Document.

The Invitation for Bid was advertised in leading English Newspapers, Daily Times, Peshawar dated August 17, 2024 and Urdu Newspaper Roznama Ausaf, Islamabad dated August 17, 2024 & Roznama Express Peshawar dated August 16, 2024, also placed on Web Sites of PEDO and KPPRA.

A pre-bid meeting was held at 1100 hours on September 19, 2014 in the committee room of PEDO for clarification of Bidding Documents. Out of Eleven (11) firms, who purchased the Bidding Document, Five (5) potential Bidders, attended the pre-bid meeting. The Minutes of pre-bid meeting were sent to those who had purchased the Bidding Documents. Two Addenda were issued for clarifications regarding certain aspects of the technical & commercial requirements of the bidding documents before submission of bids. The Minutes of Pre-Bid Meeting and issued Addenda have been made part of Technical Bid Evaluation Report (T-BER).

1.2 Constitution of the Procurement Committee

The Procurement Committee was constituted upon the approval of the Chief Executive Officer (CEO) of PEDO notified vide Project office letter No. 793-99/PEDO/Barandoo HPP dated Aug 23, 2023. The composition of the Committee is given below:

- | | |
|--|------------|
| 1. Project Director/ Mujahidin HPP, PEDO | (Chairman) |
| 2. Representative from (Procurement & Contracts), PEDO | (Member) |
| 3. Representative from Development Directorate, PEDO | (Member) |
| 4. Representative from Finance Directorate, PEDO | (Member) |
| 5. Team Leader/Project Manager MC Mujahidin HPP | (Member) |
| 6. The Procurement Expert, MC Mujahidin HPP (optional) | (Member) |

MC
PM/MC

PD

Fin.

PEC

Dev

PM/MC
es

1.3 Submission of Bids

The closing date for the submission of bids was extended several times to attract maximum bidders for a healthy competition in the bidding process. The latest date for receipt of bids by the PEDO KP was scheduled at 14:00 hours local time on December 12, 2024. Out of Eleven (11) firms who purchased the bidding documents, only one (01) bidder submitted his bid from August 16, 2024 till the latest date for submission of Bids i.e. December 12, 2024.

The Procurement Committee unanimously proposed one hour extension of time in the deadline for submission of Bids and discussed the proposal with the Representative of the Single Bidder who agreed one hour extension in the interest of healthy competition, so that other Bidders, if trapped in Traffic or such problems, may reach and submit their Bids. However, no other bidder submitted their bids till the extended time of 1500 hours of the December 12, 2024.

The Technical Bid was opened on the same day in accordance with the prescribed procedure laid down in the Bidding Documents:

Bid No.	Bidder's Name	Single Entity or Joint Venture
Bid-01	Ghulam Rasool & Co and Sultan Mehmood & Son (GRC-SMS)	Joint Venture

Whereas the Price Bid (Financial Proposal) submitted by the Bidder was kept unopened under the lock and key in the custody of the Employer (CEO PEDO).

1.4 Evaluation of Technical Bid

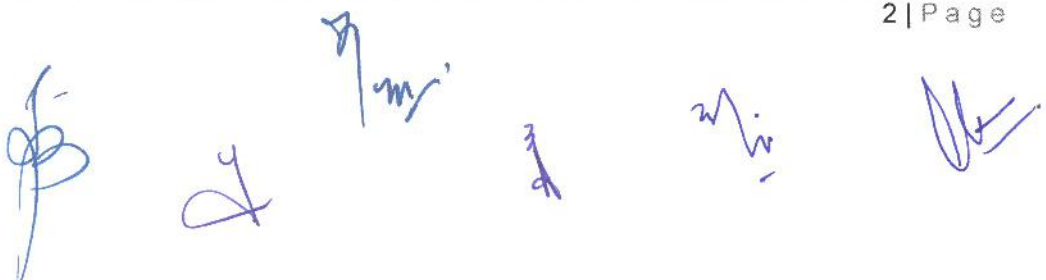
The Procurement Committee evaluated the Technical Bid submitted by the one (01) bidder. On the basis of analysis of Technical Bid, supplemented by clarifications, additional information, where necessary, the Procurement Committee declared the M/s GRC-SMS JV as the responsive bidder to the requirement of the Bidding Documents. The approval of the Technical Bid Evaluation Report (T-BER) was also sought by the PEDO Executive Committee (EC), in its 23rd meeting held on September 25, 2025, MoM issued on October 20, 2025 and is attached at **Annexure-A**.

1.5 Price Bid Opening

The Price Bid opening activity initially scheduled at 1100 hours on November 04, 2025 vide Project office letter attached as **Annexure-B** eventually took place at 1130 hours on the same day in the office of the Project Director, MHPP by the Procurement Committee.

The representative of the bidder was also present and the bidder's name was announced and recorded. A basic project Data Sheet is attached as **Annexure-C**.

The Procurement Committee opened the Price Bid. As the Bidder has not submitted any "Modification", "Substitution", "Withdrawal" or "Notice of Withdrawal", therefore the Committee examined and signed the documents and announced the Bidder's name and Bid Price. The details of Bid Security were also noted. The record of Bid Opening is attached as **Annexure-D** (Attendance Sheet is annexed as **Annexure D-1**, readout bid price as **Annexure D-2** and details of Bid security as **Annexure D-3**).



1.6 Clarification of Bids

Pursuant to Sub-Clause IB. 23.1 [Clarification of Bids] of the Instruction to Bidders, the Bidder was requested to clarify some aspects of its bid regarding (i) Lump Sum Cost Breakdown for Major Cost Items (Schedule L to Bid), (ii) Source of Indices for Price Adjustment Application on Plant and Equipment supplied from Abroad and (iii) Payment Procedures (Annex-1 Attachment to PCC Sub Clause 33.1).

Clarifications requested by the Consultants and the replies provided by the Bidders were made in writing are part of the evaluation and appended herewith the report as **Annexure-E**:

SECTION 2: DETAILED EVALUATION

2.1 Documents Comprising the Price Bid

The Price Bids were required to include the following documents:

- (a) Letter of Price Bid duly filled, signed and sealed, in accordance with Clause IB.17.
- (b) Bid security furnished in accordance with Clause IB. 15.
- (c) Schedules (J to L) to Bid, duly filled and signed, in accordance with the instructions, contained therein.
- (d) Schedule of Prices completed in accordance with IB.11 and IB.12.
- (e) Any other documents prescribed in Particular Conditions of Contract and or Technical Provisions was to be submitted with the Bid (i.e. Annex-1 to PCC 33.1 and Annex-2 to PCC Clause 47.1).

The results of checking for completeness of submitted bid documents are provided below:

2.2 Letter of Price Bid

The submitted Price Bid is found on the prescribed format, signed and stamped.

2.3 Bid Security

As per Clause IB. 15.1 of the Bidding Data Sheet, All Bids must be accompanied by a Bid Security @ 2% of the Priced Bid in PKR or an equivalent amount in a freely convertible currency.

Further as per Clause IB. 15.2 of the of the Bidding Data Sheet, the Bid Security shall be, in the form of Deposit at Call or a Bank Guarantee in the name of CEO PEDO, issued by a Scheduled Bank in Pakistan or from a foreign bank duly counter-guaranteed by a Scheduled Bank in Pakistan, valid for a period twenty-eight (28) days beyond the bid validity date.

In response to the above requirements, the Bidder has submitted Bid security amounting to Rs. 250 million in the form of Bank Guarantee issued by the Bank of Punjab.

The submitted bid security is fulfilling the requirement of 2% of the Bid Price, the validity of the extended Bid security is December 9, 2025, therefore the Bidder is found in compliance in this respect.

2.4 Integrity Pact (Schedule J to Bid)

As per Clause IB 44 of the Instructions to Bidder, the Bidder shall sign and stamp the Integrity Pact provided in Schedule-J to Bid in the Bidding Documents for all Federal Government procurement contracts exceeding Rupees ten million. Failure to provide such Integrity Pact shall make the Bid non-responsive. In response, the Bidder's submitted Integrity pact is found on the prescribed format, signed and stamped.



2.5 Estimated Progress Payments (Schedule K to Bid)

The Bidder (GRC-SMS JV) has shown estimated progress payments in both PKR and USD against the value of work to be executed on a monthly basis with the total estimated progress payments as Rs. 7,346,918,482 and USD 8,553,153. By applying forex conversion rate of 1 USD = 277.80 PKR, the total progress payments in equivalent PKR comes out as Rs. 9,722,984,380. Based on above, the bidder is found in compliant in this respect.

2.6 Lump Sum Cost Breakdown for Major Cost Items (Schedule L to Bid)

The Bidder has submitted breakup of its lump sum cost for E & M plant / equipment by splitting those into two parts i.e. (i) fabrication, manufacturing, testing and transportation and (ii) taxes and duties. The Bidder has also submitted unit rate analyses for excavation, concrete, steel and shotcrete works.

However, in pursuance to Schedule-L to Bid (Ref Addendum No. 2), the bidder was required to provide a detailed breakup of its lump sum costs in a manner that the overall picture for the quoted price can be understood. It should include major heading wise cost breakup, including rate analysis for at least 6 major cost items of civil works and of major components of E & M plant / equipment. The Bidder was also required to provide the break-up of its costs for Item No. 3.7 & 3.8 of Schedule 3. Based on clarification, the Bidder has submitted detailed breakup of its price Bid. The Bidder submitted detail breakup has been evaluated and the Bidder is found in compliant in this respect.

2.7 Payment Procedure (Annex-1 – Attachment to PCC Sub-Clause 33.1)

The Bidders were required to submit along with their Bids, Payment Procedure Annex 1: Attachment to PCC Sub Clause 33.1, however the Bidder, M/s GRC-SMS JV had not provided the same. Based on clarification, the Bidder submitted the Annex-1 which was still found incomplete in many respect, therefore the Bidder had been considered as provisionally compliant on this point, subject to subsequent submission of approved Annex-1 prior to award pending this eventuality.

2.8 Price Adjustment (Annex 2 – Attachment to PCC Sub Clause 47.1)

As per Annex 2, the Price Adjustment will be applicable to the Schedules-1 & 4 only in line with PEC Standard Procedure. Price adjustment will not be applicable on Schedules 2, 3 and 5. As per the Annex-2, the Bidders were advised to indicate the source of labor and materials indices and the base date indices in their bid. In response, the Bidder submitted details with the Bid is evaluated as under:

2.8.1 Table of Adjustment Data - Foreign Currency (Schedule-1)

Pursuant to PCC 47.1, the Bidder has submitted Table of Adjustment Data – Foreign Currency (USD) pertaining to Schedule-1 of price Schedules to be used for price adjustment which provides the following information:

- Source of Index and Base Value & Date: The Bidder has proposed the following sources for the required indices specified under Table:

Labor (Expatriate) (L)	Consumer Price Index for Urban Wage and Clerical Workers (CPI-W) Series ID: CWUR0000SA0, U.S. Department of Labor, Bureau of Labor Statistics Series Title: All items in US city average, urban wage earners and clerical workers, not seasonally adjusted Base Period: 1982-84=100
Miscellaneous Materials Imported (Representing all type of imported material) (M)	Import / Export Price Indices Series ID: EIUIRI, U.S. Department of Labor, Bureau of Labor Statistics Series Title: Monthly import price index for BEA End Use 1, Industrial supplies and materials, not seasonally adjusted. Base Period: 2000=100
Ferrous Material (F)	PPI Industry Data Series ID: PCU331110331110, U.S. Department of Labor, Bureau of Labor Statistics Series Title: PPI industry data for iron and steel mills and ferroalloy mfg, not seasonally adjusted. Base Date: 198206
Equipment & Instruments (E)	PPI Industry Data Series ID: PCU333120333120, U.S. Department of Labor, Bureau of Labor Statistics Series Title: PPI industry data for Construction machinery mfg, not seasonally adjusted. Base Date: 198012

Evaluating the Bidder's submitted details, the following observations were noted:

- The bidder has proposed US-based indices for price adjustment in Table of Adjustment Data-Foreign Currency. However as per para (b) of Price Adjustment – Schedule-I: Plant and Equipment supplied from Abroad of Annex-2-Attachment to PCC Sub-Clause 47.1 which states, "If the currency in which the Contract Price, P0, is expressed is different from the currency of the country of origin of the labor and/or material indexes, a correction factor will be applied to avoid incorrect adjustments of the Contract Price. The correction factor shall correspond to the ratio of exchange rates between the two currencies on the base date and the date for adjustment as defined above."

Based on clarification, the Bidder did not submitted the required information, however he has shown agreement with the application of correction factor and requested to discuss the matter during the pre-award stage. Therefore, the Bidder has been considered as provisionally compliant on this point, subject to submission of approved source of indices for determining the correction factor prior to award pending this eventuality.

Bidder's Proposed Weighting: The Bidder was required to propose a value within the specified range for each index given in Table, such that the total weighting shall be equal to one (1).). In response, the Bidder has proposed weightings for all indices which are found within the permissible range and the total weighting (incl: Nonadjustable) is equal to one (1), thus the bidder is found in compliant is this respect.

2.8.2 Table of Adjustment Data - Local Currency (Schedule-4)

The Bidder has submitted Table of Adjustment Data – Local Currency (Schedule-4) which provides the following information.

- Source of Index and Base Value & Date: The Bidder was required to provide source of indices and base cost values for Peshawar (KP) against the specified Indices [Local Labor, Fuel, Cement, Reinforcing Steel, and Maintenance of Contractor's Equipment & Plant and Miscellaneous material. The sources of indices are required to be from reliable source like Monthly Statistical Bulletin, Federal Bureau of Statics, Government of Pakistan. It was also required that the base cost values shall be for the month falling on the day 28 days prior to latest day for submission of the Bid. With the Bids submission date of December 12, 2018, the base cost values were required to be submitted for the month of November 2024. In response, the Bidder has proposed the Monthly Statistical Bulletin, Federal Bureau of Statics Pakistan for all the indices. The Bidder proposed indices are found in line as per requirements of the Bidding Documents.
- Bidder's Proposed Weighting: The Bidder was required to propose a value within the specified range for each index given in Table of adjustment data, such that the total weighting shall be equal to one (1). In response, the Bidder has proposed weightings for all indices which are found within the permissible range and the total weighting (incl: Nonadjustable) is equal to one (1), thus the bidder is found in compliant in this respect.

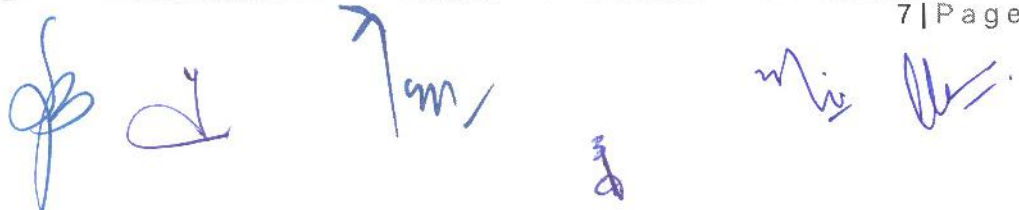
2.9 Schedules of Prices

Following is the list of Schedule of rates and prices provided by the bidders:

Schedule No.1	-	Plant and Equipment Supplied from Abroad
Schedule No.2	-	Plant and Equipment Supplied from within Pakistan
Schedule No. 3	-	Design Services, Installation and other Services
Schedule No. 4	-	Civil Works, Installation and other Services
Schedule No. 5	-	Mandatory Spare Parts and Tools
Schedule No. 6	-	Grand Summary

The bidder M/s GRC-SMS JV provided the required schedules on prescribed format which are found in compliance with the stipulated requirements except that the following observation has been noted:

- In the Schedule 1 (Plant and Equipment Supplied from Abroad), the bidder has mentioned "China" under the column for "Country of Origin", however it is noted that as per the clarification sought during the Technical Bid Evaluation, the bidder has already committed to provide the Protective relays, SCADA systems, Plant control system and Communication system (Refer Para 1.2.4.2, Volume 2 – Specification of Bidding Documents) from Siemens and ABB of European origin.



Daywork Schedule

The bidder, M/s GRC-SMS JV provided Daywork Schedule is found on prescribed format, No errors have been found. Hence, the bidder is found in compliant in this respect.

2.10 Determination of Lowest Evaluated Bid

Pursuant to Sub-Clause IB. 26.2(e) of the Instruction to Bidders, the Evaluated Bid Price of the single responsive Bidder (GRC-SMS JV) has been determined. The step-wise procedure followed in determining the evaluated bid price is described below:

2.10.1 Currency of Bid

The Bidder has quoted the unit rates and prices in the Price Schedules in Pak rupees & USD which is in accordance with Sub-Clause IB. 12.1 of the Instructions to Bidders.

2.10.2 Readout Bid Price

Following bid price was read out from the Price Bid submitted by the Bidder (GRC-SMS JV):

- Total Bid Price (including Provisional Sums but excluding Dayworks) of PKR 9,722,984,380 is read out from the Letter of Price Bid.

2.10.3 Correction of Errors

The Price Bid submitted by GRC-SMS JV was checked for arithmetical errors in pursuance to Clause IB. 24.2 of the Instruction to Bidders. No arithmetic errors were found.

2.10.4 Discounts

The Price Bid was checked for unconditional discounts pursuant to Sub-Clause IB. 22.3 of the Instructions to Bidders. No discount has been offered by the Bidder (GRC-SMS JV).

2.10.5 Price Adjustment

Pursuant to Sub-Clause 26.2, Para (e) (iii), following price adjustment methods were adopted to evaluate adjusted prices for each bidder:

(a) Price Adjustment for Completeness in Scope of Work

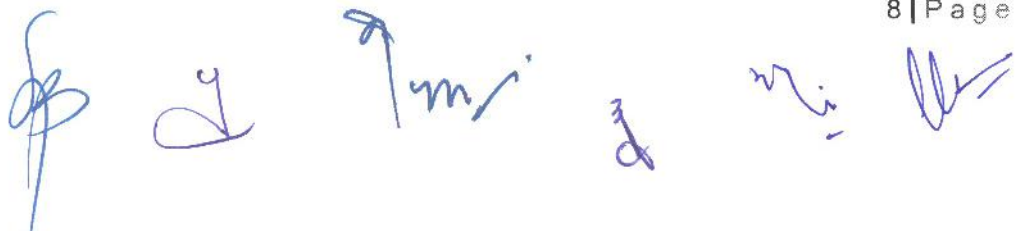
No price adjustment was needed for completeness of scope of work.

(b) Price Adjustment for Technical Compliance

No adjustment in bid price was needed for technical compliance.

(c) Price Adjustment for Commercial Compliance

No deviation was found in the price bid submitted by the bidder in terms of commercial compliance.



(d) Price Adjustment for Deviations in Terms of Payment

The bidder has not shown any reservation on the completion on the terms of payments as defined in the Bidding Documents.

(e) Price Adjustment for Completion Schedule

The bidder has not shown any reservation on the completion time of 36 months.

After detailed evaluation as per the methods prescribed above, no deviation was found in the price bid submitted by the bidders.

2.10.6 Evaluated Bid Price

Based on above, the evaluated bid price is determined as PKR 9,291,988,880. The detail of the evaluated bid price is given below:

Description	Currency (PKR)
Total Bid Price (Including Provisional Sum but Excluding Daywork) [readout from letter of Price Bid]	9,722,984,380
Arithmetic Errors	0
Corrected Bid Price (Including Provisional Sum but Excluding Daywork)	9,722,984,380
Unconditional Discount [readout from the letter of Price Bid]	Nil
Corrected Bid Price after Discounted (Including Provisional Sum)	9,722,984,380
Provisional Sum (to be subtracted)	500,000,000
Evaluated Bid Price (Excluding Provisional Sum)	9,222,984,380

2.10.7 Local and Foreign Currency Components of the Evaluated Bid Price

The local and foreign currency components of the Evaluated Bid Price are provided below:

Schedule No.	Title	Bidder (GRC-SMS JV)	
		Foreign Currency (USD)	Local Currency (PKR)
1	Plant and Equipment Supplied from Abroad	7,354,836	90,234,751
2	Plant and Equipment Supplied from within Pakistan	N.A	0
3	Design Services, Installation and other Services	875,000	212,862,551
4	Civil Works, Installation and other Services	N.A	6,543,821,180
5	Mandatory Spare Parts and Tools	323,317	0

Schedule No.	Title	Bidder (GRC-SMS JV)	
		Foreign Currency (USD)	Local Currency (PKR)
SUB TOTAL- A		8,553,153	6,846,918,482
Exchange rate for foreign currency (USD) on 14-Nov-2024 [28 days prior to latest date for Bid submission / opening on 12-Dec-2024]		277.8000	
SUB TOTAL- B (Foreign + Local) (PKR)		9,222,984,380	
Add Provisional Sum		500,000,000	
GRAND TOTAL (Including Provisional Sum)		9,722,984,380	

2.11 Overview of the Engineer's Estimate

1. The PC-1 of the project was based on MRS 2015 with 1 USD = 105 PKR and approved at a cost of **Rs. 4,195.66** Million.
2. The Revised PC-1 is based on MRS biannual 2024 with USD = 278.03 PKR which has been submitted to the PEDO for approval at a cost of **Rs. 9,556.48** million. The revised PC-1 has been prepared incorporating the following major changes:
 - a. The Length of access roads and bridges has been increased.
 - b. The height of the weir has been increased to achieve required generation and to attain the corresponding head.
 - c. The some additional land / tress cutting are considered etc. due to reservoir.
 - d. The length of the conduit channel has been decreased.
 - e. The sedimentation basin is deleted based on negligible suspended sediments.
 - f. The length of power tunnel has been increased whereas the length of the penstock, surge shaft, elbow has been decreased.
 - g. The powerhouse area is increased. The additional protection works have also considered at the powerhouse site.
3. During the preparation of the Bidding Documents, the relevant scope of work was included in the Price Schedules and made part of the EPC Bidding Documents. The Engineer's Estimate pertaining to EPC Bid is **Rs. 7,432.73** million as shown below:

Table 1 – Brief Summary of approved PC-1, Revised PC-1 & Engineer's Estimate

Sr. No.	DESCRIPTION	Approved PC-1	Revised PC-1	Engineer's Estimate
		Million Pak Rs.	Million Pak Rs.	Million Pak Rs.
1	Direct Cost			
	General and Preliminary works	314.74	709.16	709.16
	Environmental and Resettlement cost	60.50	464.35	
	Civil Works	1598.65	3,800.95	3,800.95
	Permanent Equipment			
	Hydro-mechanical	604.15	501.88	501.88
	Electro-mechanical	Included above	937.69	937.69
	Transmission Line	555.08	695.63	695.63
2	Sub Total (1)	3,133.14	7,109.65	6,645.31
3	Engineering Design by EPC Contractor @ 3 %	0.00	213.29	213.29
4	Sub Total (1+3)	3133.14	7,322.94	6,858.60
5	Indirect Cost			
a	Engineering and Project Management Cost	187.99	396.91	
b	PMU Cost	103.69	229.48	
c	Security of Foreigners/Expatriates @ 1% of (Item 4)	-	73.23	
d	Duties and Taxes 5% (Foreign)	30.21	74.14	74.14
e	Infrastructure Development cess @ 2% (Notification)	-	28.79	
f	CSR or CBM @ 0.5 %	-	36.61	
g	Physical Contingencies 3% of (Item 4)	38.27	219.69	
6	Sub Total	3,493.30	8,381.79	6,932.73
	(KPRA @ 2%)	-	167.64	
7	Total Base Cost of the Project	3,493.30	8,549.43	6,932.73
	PEDO Head Office @ 1% (Item 7)	31.33	85.49	
	Price Adjustment Escalation	254.20	504.72	500.00
	Interest During Construction (IDC)	416.84	416.84	
8	Total Project Cost	4,195.66	9,556.48	7,432.73

2.12 Comparison of the Evaluated Bid Price to the Engineer's Estimate

As explained in Para 1.3, the Bidder M/s GRC-SMS JV is a sole bidder, therefore, the examination of prices quoted in the Bid for each Bill of the Work cannot be analyzed in comparison with other Bids. Therefore, the Evaluated Bid Price was examined and compared along with percentages of the Engineer's Estimate. The following table gives an overall and Schedule wise comparison of Evaluated Bid Price with the Engineer's Estimate.

Table 2 – Comparison of Evaluated Bid Price with Engineer’s Estimate

Schedule No.	Title	Engineer Estimate		Evaluated Bid Price (PKR)	Evaluated Bid Price Above (+) or Below (-) the Engineer Estimate	
		Amount (PKR)	%age of Total Amount		Amount (PKR)	(%)
1	Plant and Equipment Supplied from Abroad	2,070,499,674	27.86	2,133,408,281	62,908,607	3.04
2	Plant and Equipment Supplied from within Pakistan	-	-	-	-	-
3	Design Services, Installation and other Services	213,289,540	2.87	455,937,551	242,648,011	113.76
4	Civil Works, Installation and other Services	4,474,271,359	60.20	6,543,821,180	2,069,549,821	46.25
5	Mandatory Spare Parts and Tools	174,672,270	2.35	89,817,368	(84,854,902)	(48.58)
SUB TOTAL (Excluding Provisional Sum)		6,932,732,842	93.27	9,222,984,380	2,290,251,538	33.04
Add Provisional Sum		500,000,000	6.73	500,000,000	-	-
GRAND TOTAL (Including Provisional Sum)		7,432,732,842	100.00	9,722,984,380	2,290,251,538	30.81

The following observation may be noted from above table:

- The Evaluated Bid price for Schedule-1 (Plant and Equipment supplied from Abroad) is about Rs 62.91 million (3.04 %) above from Engineer’s Estimate.
- No prices have been quoted for any item from Schedule-2 (Plant and Equipment supplied from within Pakistan).
- The Evaluated Bid price for Schedule-3 (Design services, Installation & other Services) is about Rs. 242.65 million (113.76%) above from Engineer’s Estimate.
- The Evaluated Bid price for Schedule-4 (Civil Works, Installation & other Services) is about Rs. 2,069.55 million (46.25%) above from Engineer’s Estimate.
- The Evaluated Bid price for Schedule-5 (Mandatory Spare Parts and Tools) is about Rs. 84.85 million (48.58%) below from Engineer’s Estimate.
- The Evaluated Bid Price (Including provisional sum) on overall is about Rs. 2,290.25 million (30.81%) above of the Engineer’s Estimate. Thus, the Price Bid submitted by the responsive bidder is considered to be abnormally on higher side.
- The bidder has quoted Rs. 69.00 million against the daywork schedule.

2.13 Detailed Examination of Lump Sum Prices

From the preceding Sections, it is obvious that Evaluated Bid Price (Including provisional sum) of GRC-SMS JV is about Rs. 2,290,251,579 (30.81%) above of the Engineer’s Estimate. In light of above, a detailed item wise comparison of the lump sum prices offered by the Bidder has been made with the Engineer’s Estimate and attached as **Annexure-F**.

Based on the above detailed item wise comparison, some abnormally high /low prices were identified, which are summarized as below:

- The quoted Bid prices of turbines and hydro mechanical gates (Item 1.1 & 1.11) are very high whereas those for the electrical works (Item 1.2, 1.8 & 1.13) are very low. However, the overall quoted Bid price for E&M plant and equipment is within permissible range.
- The quoted Bid price for Schedule-3 (Design services, Installation & other Services) is about Rs. 242.65 million (113.76%) above from Engineer's Estimate.
- The quoted Bid price for Temporary works (Item 4.1.1) is about Rs. 87.68 million above from the Engineer's Estimate.
- The quoted Bid price for construction of residential and office buildings of the Employer (Item 4.1.2) is about Rs. 368.18 million above from the Engineer's Estimate.
- The quoted Bid price for construction of Access Road (Item 4.1.3) is about Rs. 364.72 million above from the Engineer estimate.
- The quoted Bid price for construction of Main Dam / Weir (Item 4.1.5) is about Rs. 676 million above from the Engineer's Estimate.
- The quoted Bid price for construction of Cut & Cover Conduit (Item 4.1.7) is about Rs. 128 million above from the Engineer's Estimate.

2.14 Validation of the Engineer Estimate and Market Analysis

From above comparison it shows that Evaluated Bid of PKR 9,722.98 million (Including Provisional Sum) submitted by single Bidder is about 30.81% above from the Engineer Estimate of PKR 7,432.73 million. Therefore, the Procurement Committee in its 15th meeting held on December 15, 2025 thoroughly reviewed the draft P-BER & advised following actions:

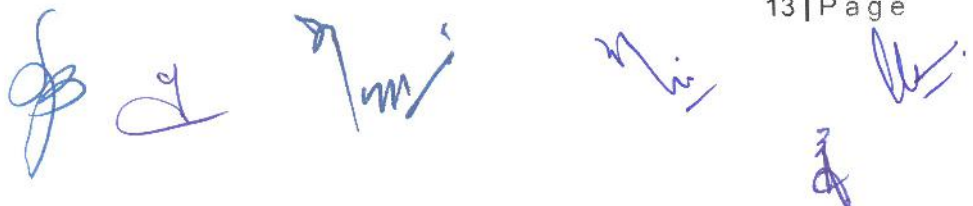
- The MC shall revalidate the Project Engineer Estimate based on latest available MRS.
- The MC shall carry out a Market Analysis Report as preparatory exercise to support the forthcoming price negotiations with the sole bidder.

In light of above, a separate document was prepared in order to fulfil the requirement of the Procurement Committee which provides the details about the basis of the Engineer's Estimate, quantities estimation, adopted unit rates for E&M and Civil Works, current market analysis, etc. The above report is also attached as **Annexure-G**

Based on above report and market analysis, the Procurement Committee ensured that the Engineer's estimate which is mainly based on MRS KP 2024 and found it sound and valid for making comparison with the Evaluated Price Bid submitted by the sole bidder.

2.15 Price Negotiation Meeting with Sole Bidder

In accordance with IB. 32.2 of the Bid Data Sheet read in conjunction with the Rule 42A of the Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Rules, the Procuring Entity is permitted to conduct Price negotiations in case of a single responsive Bid.

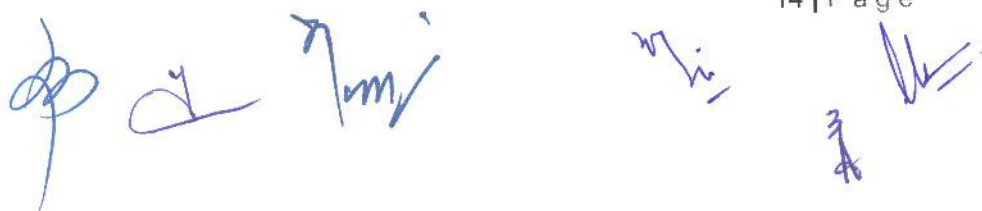


In light of above contractual provisions, the Employer invited the sole Bidder, M/s GRC-SMS JV to attend the Price Negotiation Meeting on January 15, 2026 which was reschedule to be held on January 20, 2026 as per the Bidder request.

Accordingly, Procurement Committee Meeting was held at the office of the Project Director, 6.95 MW Mujahidin Hydropower Project (HPP), NESPAK Building, Peshawar for the Purpose of Price Negotiation with the sole Bidder, M/s GRC-SMS JV, under KPPRA Rule 42A on January 20, 2026. The Minutes of the Meeting (MoM No.16) are attached as **Annexure-H**.

The key points deliberated during the meeting are summarized below:

1. The Bidder's Representative presented a detailed cost breakdown of the quoted bid price, including quantities, unit rates, and corresponding amounts. It was stated that, while preparing the Price Bid, potential Project risks such as (i) quantity variations, (ii) difficult terrain, (iii) security concerns, and (iv) geological uncertainties were duly considered.
2. The Bidder proposed the following cost-reduction measures: (i) Reduction of the Provisional Sum from PKR. 500 million to PKR. 200 million; (ii) Separation of the Transmission Line works, resulting in an estimated cost reduction of PKR 883.766 million; (iii) Reduction of the residential colony covered area by up to 35%, based on comparison with other PEDO projects such as Gorkin Matiltan and Karora HPP, resulting in an estimated saving of PKR 301.971 million; and (iv) An offered rebate of 2% on the quoted Bid Price.
3. The representative of PEDO's Procurement & Contracts (P&C) Section clarified that variation in Scope of Work at this stage of procurement is not permissible and requested the Bidder to consider a reduction in the quoted rates. It was further stated that Price Adjustment provisions are available in the Contract, and any reduction in quoted rates would be compensated through future escalation.
4. In response, the Bidder stated that prevailing market conditions indicate de-escalation rather than escalation.
5. The Management Consultant's Contract Specialist explained that the Engineer's Estimate is primarily based on MRS-2024 rates, incorporating 25.5% overheads and profit margins, with an additional enhancement of 14% applied as a hard-area factor.
6. The MC's Contract Specialist also presented a comparative analysis of major cost items between the Engineer's Estimate and the quoted Bid prices. The Procurement Committee observed that the Bidder's quoted rates for surface Excavation, Concrete works, Residential colony, and Access roads were exceptionally high in comparison with the Engineer's Estimate.
7. The Bidder's representative stated that MRS rates are not fully applicable to Hydropower Projects due to their complex nature. The Bidder's representative further claimed that the quoted rates are comparatively lower when benchmarked against other ongoing PEDO projects, such as Gorkin Matiltan and Balakot HPP. The Bidder reaffirmed that the maximum rebate that could be offered is limited to 3%.
8. The Chair noted that a 3% rebate, amounting to approximately PKR. 277 million, would



not be sufficient to bridge the gap of PKR 2,290.25 million between the quoted Bid Price and the Engineer's Estimate.

9. The Deputy Director (Finance) observed that a substantial rebate could have enabled the Procurement Committee to forward the case to the PEDO Executive Committee (EC) for consideration; however, with the limited rebate of 3%, re-bidding appears unavoidable.
10. The Chair further stated that acceptance of a 3% rebate would result in an increase in the Revised PC-I cost to approximately PKR 11.569 billion, thereby exceeding the financial competency of the forum (PDWP) that approved the original PC-I.
11. The Bidder categorically stated that the quoted bid price is rational and workable, and that any rebate beyond 3% would render the bid commercially unviable and inexecutable for the Bidder.
12. After detailed deliberations, the Procurement Committee unanimously resolved that the Price Bid Evaluation Report (P-BER) may be submitted to the PEDO Executive Committee (EC) with the recommendations to allow the Project office to proceed with re-bidding.

2.16 Meeting of the Procurement Committee on P-BER and Multiple Re-Bidding Options

The meeting of the Procurement Committee was held on February 04, 2026 at the office of the Project Director, 6.95 MW Mujahidin Hydropower Project (HPP), for finalization of the Price Bid Evaluation Report (P-BER) based on negotiation with the sole bidder and to propose recommendations to the Executive Committee regarding re-bidding under multiple procurement options minuted vide MoM No: 17. The following three options were reviewed:

Option No.1: Rebidding on EPC /Turnkey (Lump Sum Basis) as Single Contract

The currently approved Bidding Documents (BD) are based on this option.

Option No.2: Rebidding on EPC Lump Sum Basis with two Separate Contract Packages

This option is similar to the Option-1 except that Option-2 proposes sub-divisions of the works into following two contract packages:

Package-1: Weir, Channel, Tunnel, Colony, Access Road, and Gates.

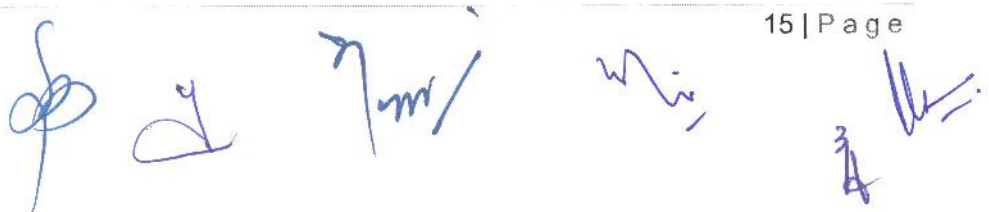
Package-2: Powerhouse Access Road, Powerhouse (Civil Works), Penstock / manifold, Electro-Mechanical (E&M) Works, transmission & distribution system.

Option No.3: Rebidding with Two Contract Packages, i.e. Civil Works on Admeasurements Basis and E&M Works on EPC Basis

This option is generally implied on WAPDA Projects. This option proposes sub-divisions of the works into following two contract packages:

Package-1: Weir, Channel, Tunnel, Colony, Access Roads, powerhouse civil works, penstock and gates. The MC shall be responsible for the detailed design. The contractor shall be paid for actual work executed and measured.

Package-2: All Electro-Mechanical (E&M) Works, transmission & distribution system. The EPC contractor shall be responsible for the detailed design. The contractor shall be paid for actual



work executed and plant supplied.

The Committee deliberated the pros & cons associated with each option. **Annexure-I** Minutes of the 17th Meeting of the Procurement Committee. The committee has recommended in majority the following actions:

- I. The P-BER shall be finalized with recommendations to proceed with **re-bidding under the approved EPC framework**, incorporating necessary refinements to the Bidding Documents and rationalization of the evaluation criteria to ensure maximum participation and foster healthy competition.
- II. The Management Consultant shall revise the eligibility and evaluation criteria for review by PEDO P&C, following which the criteria shall be finalized jointly.


2.17 Meeting of Procurement Committee on P-BER and Revised Eligibility & Qualification Criteria

The meeting of the Procurement Committee was held on March 03, 2026 at the office of the Project Director, 6.95 MW Mujahidin Hydropower Project (HPP) to finalize the Eligibility and Evaluation Criteria and conclude the Price Bid Evaluation Report. The PC attendance sheet is attached as **Annexure-J**.

During the meeting, the Procurement Committee thoroughly reviewed the following:

- Price Bid Evaluation Report (P-BER)
- Clause 2 "Eligibility of the Bidders" of the Bidding Data Sheet, and
- Appendix-1 to Bidding Data Sheet "Criteria for Evaluation of Technical Bids".

Based on detailed review and deliberations, the Committee recommended the Revised Eligibility and Evaluation Criteria which is attached **Annexure-K**.



SECTION 3: CONCLUSIONS AND RECOMMENDATIONS

3.1 Conclusions

1. The PC-1 of the project was based on MRS 2015 with 1 USD = 105 PKR and approved at a cost of Rs. 4,195.66 million.
2. The Revised PC-1 is based on MRS biannual 2024 with USD = 278.03 PKR which has been submitted to PEDO for approval at a cost of **Rs. 9,556.48** million.
3. During the preparation of the Bidding Documents, the relevant scope of work was included in the Price Schedules and made part of the EPC Bidding Documents. The Engineer's Estimate pertaining to EPC Bid is **Rs. 7,432.73** million.
4. The Evaluated Bid Price of the single responsive Bidder (GRC-SMS JV) is determined as Rs 9,722,984,380 in pursuance of Sub Clause IB 29.2 of the Instructions to Bidder.
5. The Evaluated Bid Price (excluding provisional sum) is Rs 9,222,984,380 which is about Rs 2,290,251,579 (33.04%) above from the Engineer's Estimate.
6. The Evaluated Bid Price (Including provisional sum) is Rs 9,722,984,380 which is about Rs 2,290,251,579 (30.81%) above from the Engineer's Estimate.
7. The Bidder has quoted Rs. 69,004,500 against the daywork schedule.
8. The Evaluated Bid Price increases the revised PC-1 cost to Rs. 11,846,732,757 which is about Rs. 2,290,251,579 (24 %) above from the Revised PC-1 cost of Rs. 9,556,481,178 submitted to the PEDO for approval.
9. The schedule wise comparison of Evaluated Bid Price with the Engineer's Estimate shows that the bidder's quoted price for E&M plant /equipment is about Rs. 62.91 million (3.04%) above from Engineer's Estimate and that for Mandatory spare parts and tools is about Rs. 84.85 million (48.58%) below from Engineer's Estimate. Hence, the bidder's total quoted prices for E&M plant, equipment and mandatory spares and tools are found within the permissible range of Engineer's Estimate.
10. The schedule wise comparison of Evaluated Bid Price with the Engineer's Estimate shows that the bidder's quoted price for Design Services is about Rs. 242.65 million (113.76%) above from Engineer's Estimate and that for Civil Works is about Rs. 2,069.55 million (46.25%) above from Engineer's Estimate. Hence, the bidder has quoted abnormally high prices for Design Services and Civil Works when compared with the Engineer's Estimate.
11. The Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Rule 42 A (Provision for negotiations on price) is reproduced as below *"In case of single complying bid, the procuring entity may conclude the procurement contract through negotiation on quality upgrades, mode and schedule of delivery or cost reduction. In case the bid price is above engineer estimates or market analysis report, conducted by the procuring entity, after due diligence, in such eventuality, the successful bidder shall be asked to match that price in order to protect public interest and to ensure general principle of timelines for procurement as enunciated in section 3 of the Act."*

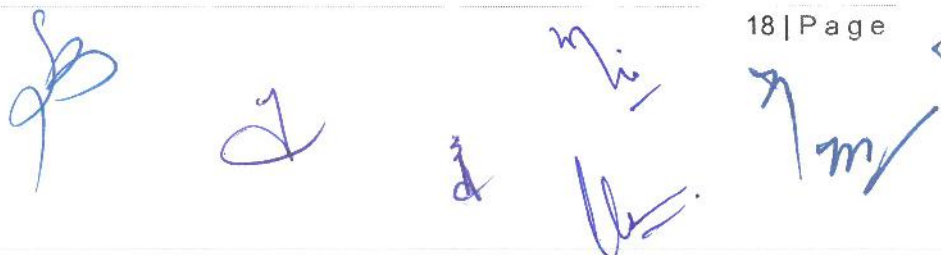


12. In accordance with IB. 32.2 of Bid Data Sheet read in conjunction with the Rule 42A of the KPPRA, the Procurement Committee Meeting was held on January 20, 2026 minuted vide MOM No: 16 (**Annexure-H**) with the sole Bidder, M/s GRC-SMS JV for the purpose of Price Negotiation. In the meeting, the Bidder categorically stated that the quoted bid price is rational and workable, and that any rebate beyond 3% would render the bid commercially unviable and in-executable for the Bidder. The Evaluated Bid Price (Including Provisional Sum) of Rs. 9,722,984,380 is about Rs. 2,290,251,579 (30.81%) the Engineer's Estimate, which is found abnormally high. If the offered 3% rebate is considered, it would result in decrease of the bid difference with the Engineer's Estimate to 27.81% approximately PKR 277 million which is still abnormal and exceptionally higher than EE, therefore, liable to rejection. Moreover, it will increase the Revised PC-1 cost to approximately Rs. 11.569 billion, rendering the project unviable and also exceeding the financial competency of the relevant competent forum "PDWP" that approved the original PC-I. After detailed deliberations, the Procurement Committee unanimously resolved that the Price Bid Evaluation Report (P-BER) may be submitted to the PEDO Executive Committee (EC) with the recommendations to allow the Project office to proceed with Re-bidding.
13. In continuation to the above stated meeting and unsuccessful negotiation with the sole bidder another meeting of the Procurement Committee was convened on February 04, 2026 with intend to finalize the Price Bid Evaluation report considering multiple rebidding options, minuted vide MOM No.17 (**Attached as Annexure-I**). The majority of the members recommended the following:
- I. The P-BER shall be finalized with recommendations to proceed with **re-bidding under the approved EPC framework**, incorporating necessary refinements to the Bidding Documents and rationalization of the evaluation criteria to ensure maximum participation and foster healthy competition.
 - II. The Management Consultant shall revise the eligibility and evaluation criteria for review by PEDO P&C, following which the criteria shall be finalized jointly.
14. In continuation to the above stated meeting another meeting of the Procurement Committee was convened on March 03, 2026. The Committee finalized the P-BER and recommend the Revised Eligibility and Evaluation Criteria.

3.2 Recommendations of the Procurement Committee:

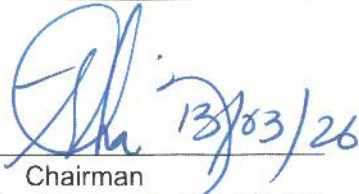
In view of the detailed deliberation in the Procurement Committee meetings held on January 20, 2026, February 04, 2026 and March 03, 2026, as stated above, the majority of the Committee members recommend the following for the consideration an Approval of the PEDO Executive Committee:

- a. Rejection of the Evaluated Price Bid of PKR. 9,722.98 million submitted by the sole responsive bidder M/s GRC-SMS JV against the Engineer's Estimate PKR 7,432.73 million on the basis of abnormally high quoted rates.
- b. Allowing the Project office to proceed with the Re-Bidding on the approved Bidding Documents with refinements.

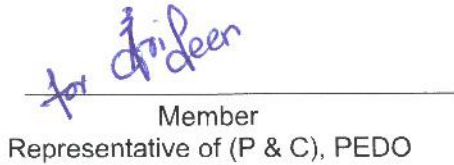


- c. Allowing the Project office to re-bid on the rationalized and revised Eligibility and Evaluation criteria to ensure maximum bidders participation and healthy competition (Annexure-K)

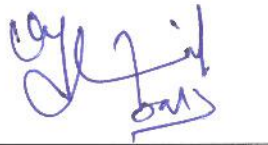
Recommended By Notified Committee


Chairman

Project Director / Mujahidin HPP, PEDO


Member

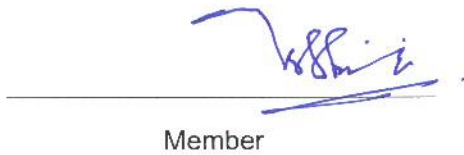
Representative of (P & C), PEDO


Member

Representative of Development Directorate, PEDO


Member

Representative of Finance Directorate, PEDO


Member

Team Leader/Project Manager MC Mujahidin HPP


Optional Member

Contract Specialist, MC Mujahidin HPP

Annexure-A
Minutes of 23rd Executive Committee
Meeting

Minutes of 23rd Executive Committee Meeting



P E D O
PAKHTUNKHWA ENERGY DEVELOPMENT ORGANIZATION
Government of Khyber Pakhtunkhwa Peshawar
Room No. 120, Sector 38/B2, Phase-V, Hayatabad, Peshawar
Tel: 091-9217468



No.3534-09/PEDO/CEO/23rd EC Minutes
Dated Peshawar 20th October, 2025

To

1. The Director Admin & HR; PEDO.
2. The Director Finance; PEDO.
3. The Director O&M; PEDO.
4. The Project Director; 300 MW Balakot HPP, PEDO.
5. The Project Director; Gorkin Matiltan HPP, PEDO.
6. The Project Director; Lawl HPP, PEDO.
7. The Project Director Solar, PEDO.
8. The Project Director;
6.95 MW Mujahidin Barndo HPP, PEDO.

SUBJECT: - MINUTES OF 23RD MEETING OF EXECUTIVE COMMITTEE OF PEDO HELD ON 25TH & 26TH SEPTEMBER, 2025

With reference to the subject noted above, I am directed to enclose herewith the relevant portion of the approved minutes of 23rd meeting of Executive Committee of PEDO held on 25th & 26th September, 2025 under the Chairmanship of CEO PEDO for information and compliance.

Encl: As above.

(ENGR. FARAZ AHMAD KHAN)
SECRETARY
EXECUTIVE COMMITTEE, PEDO

Copy for information to: -

- i. PS to CEO PEDO, Peshawar.

SECRETARY
EXECUTIVE COMMITTEE, PEDO

See MOM file
[Signature]
22/10/2025



MINUTES OF THE 23rd MEETING OF PEDO EXECUTIVE COMMITTEE HELD ON SEPTEMBER 25th & 26th, 2025 AT THE PEDO HOUSE, PESHAWAR

1. The 23rd meeting of the Executive Committee (EC) of PEDO was held on September 25th & 26th, 2025 under the Chairmanship of CEO PEDO at the Committee Room of PEDO Head Office. List of participants is attached at Annex-1.
2. The meeting started with recitation from the Holy Quran. CEO PEDO welcomed the participants of the meeting. Secretary Executive Committee informed that today's meeting will consider the following agenda items:

Sr. No.	AGENDA TITLE
EC-23-01	CONFIRMATION OF THE MINUTES OF: - i. 17 th Meeting of Executive Committee held on 26 th May, 2025 ii. 18 th Meeting of Executive Committee held on 05 th June, 2025 iii. 19 th Meeting of Executive Committee held on 30 th June, 2025 iv. 20 th Meeting of Executive Committee held on 14 th July, 2025 v. 21 st Meeting of Executive Committee held on 18 th August, 2025 vi. 22 nd Meeting of Executive Committee held on 22 nd August, 2025
EC-23-02	APPROVAL FOR 1ST VARIATION ORDER (VO-I)/(EOT-2) FOR "SOLARIZATION OF MASAJIDS & WORSHIPS PLACES OF KHYBER PAKHTUNKHWA (350 ADDITIONAL MASAJID)
EC-23-03	APPROVAL OF FIRST VARIATION ORDER (VO-I)/(EOT-2) FOR "SOLARIZATION OF 2000 MASAJID IN MERGED AREAS" (150 ADDITIONAL MASAJID)
EC-23-04	APPROVAL OF THE TECHNICAL BID EVALUATION REPORT (T-BER) FOR 6.95 MW MUJAHIDIN HPP.
EC-23-05	REVIEW OF REVISED EPC STAGE DRAFT TARIFF PETITION AND TARIFF MODEL FOR 300 MW BALAKOT HPP ON TAKE OF PAY BASIS.
EC-23-06	APPROVAL FOR APPOINTMENT OF CONTRACT SPECIALIST ON FIXED PAY BASIS FOR AN INTERIM PERIOD OF 06 MONTHS IN PEDO HEAD OFFICE.
EC-23-07	APPROVAL FOR EXTENSION IN THE CONTRACT OF FIXED PAY/CONTRACT EMPLOYEES AND APPOINTMENT OF FOREMAN FOR MACHAI HPS.
EC-23-08	APPROVAL OF APPOINTMENTS AGAINST THE PROJECT POST OF DIRECTOR ELECTRICAL (BPS-19) IN HYDROPOWER PROJECT "84 MW GORKIN MATILTAN HPP"
EC-23-09	APPROVAL OF BASE RATE DATE FOR PRICE ADJUSTMENT FORMULA - 84 MW GORKIN MATILTAN HPP
EC-23-10	APPROVAL TO INCORPORATION THE ALREADY APPROVED DOCUMENTS REGARDING QUALIFICATION, CRITERIA AND ADVERTISEMENT FOR THE POST OF SECRETARY EXECUTIVE COMMITTEE INTO THE OFFICIAL MINUTES OF THE MEETING OF THE EXECUTIVE COMMITTEE.
EC-23-11	CONFIRMATION OF APPOINTMENT AND TERMINATION OF PROBATION PERIOD OF MISS. SITRA ZEB KHAN DIRECTOR ENVIRONMENT/SOCIAL (BPS-19) PEDO HEAD OFFICE, PESHAWAR.
EC-23-12	APPROVAL OF APPOINTMENT AGAINST THE POST OF SECRETARY EXECUTIVE COMMITTEE (MP-III) IN PEDO HEAD OFFICE.
EC-23-13	APPROVAL OF RENEWAL OF CONTRACT OF M/S KRW-CHARTER ACCOUNTANTS-TAX CONSULTANCY CONTRACT.

Sr. No.	AGENDA TITLE
EC-23-14	i. APPOINTMENT OF MR. SYED SOHAIL ALI ZAIDI AS COMMERCIAL & FINANCE EXPERT ON CONTINGENCY BASIS (FIXED PAY) FOR AN INTERIM PERIOD OF SIX MONTHS ii. APPROVAL OF LEGAL EXPERT MR. AZM ALI FOR A PERIOD OF SIX MONTHS.
EC-23-15	APPROVAL OF EXTENSION IN O&M CONTRACT AGREEMENT FOR 81 MW MALAKND-III.
EC-23-16	APPROVAL FOR RE-APPROPRIATION IN VARIOUS HEAD OF PC-I LAWI HPP
EC-23-17	REQUEST FOR EXTENSION IN O&M SERVICE CONTRACT AGREEMENT FOR 18 MW PEHUR HPC
EC-23-18	APPROVAL OF 1ST AMENDMENT IN THE CONSULTANCY SERVICE FOR THE PROJECT "SOLARIZATION OF 8000 SCHOOLS & 187 BHU"
EC-23-19	APPROVAL FOR AWARD OF ADDITIONAL CONSULTANCY SERVICES FOR THE PROJECT "SOLARIZATION OF MOSQUES & WIRSHIP PLACES IN KHYBER PAKHTUNKHWA"
EC-23-20	APPROVAL FOR AWARD OF ADDITIONAL CONSULTANCY SERVICES FOR THE PROJECT "SOLARIZATION OF 2000 MASAJID IN MERGED AREAS OF KHYBER PAKHTUNKHWA"
EC-23-21	APPROVAL OF TECHNICAL SCRANTON FOR SOLARIZATION OF PEDO HOUSE.
EC-23-22	APPROVAL OF FUNDS FOR TURBINE REPAIR WORKS FOR 2.5 MW MACHAI HPS
EC-23-23	APPROVAL OF AUDITED FINANCIAL STATEMENTS FOR THE YEAR ENDED JUNE 30, 2022.
EC-23-24	APPROVAL OF RECOMMENDATION OF THE PEDO SELECTION AND PROMOTION COMMITTEE MEETING HELD ON 06 TH AUGUST 2025 REGARDING THE PROMOTION OF PEDO OFFICIALS (BPS-16 & BELOW)
EC-23-25	REQUEST FOR EXTENSION OF SERVICE/CONTRACT PERIOD OF STAFF IN SOLAR PROJECT "SOLARIZATION OF 8000 SCHOOLS & 187 BHU'S"
EC-23-26	APPROVAL OF SPECIAL ALLOWANCE FOR MR. FAZLI WAHAB FOR PEDO EXECUTIVE COMMITTEE & PEDO POLICY BOARD
EC-23-27	APPOINTMENT OF ACCOUNTANTS UNDER CLAUSE 12(1), CHAPTER-III, PEDO ACT 2020 FOR A PERIOD OF SIX MONTHS
EC-23-28	APPROVAL OF LEGAL EXPERT MR. IRFAN GILL FOR A PERIOD OF SIX MONTHS.

AGENDA ITEM: EC-23-01: - CONFIRMATION OF THE MINUTES OF: -

- i. 17th Meeting of Executive Committee of PEDO held on 26th May, 2025
- ii. 18th Meeting of Executive Committee of PEDO held on 05th June, 2025
- iii. 19th Meeting of Executive Committee of PEDO held on 30th June, 2025
- iv. 20th Meeting of Executive Committee of PEDO held on 14th July, 2025
- v. 21st Meeting of Executive Committee of PEDO held on 18th August, 2025
- vi. 22nd Meeting of Executive Committee of PEDO held on 22nd August, 2025

DECISION EC-23-01:

- I. The Executive Committee confirmed 17th, 18th, 19th, 20th and 21st MoM as issued.
- II. Member Finance apprised the forum that decision of the agenda Item EC-22-12 was not properly recorded in the minutes of the 22nd Executive Committee meeting held on 22-08-2025. The Executive Committee, directed to Secretary EC

October 31, 2025. The final completion date for all 2,150 Masajid is now set for October 31, 2025.

AGENDA ITEM: EC-23-04: APPROVAL OF THE TECHNICAL BID EVALUATION REPORT (T-BER) FOR 6.95 MW MUJAHIDIN HPP.

19. PD Mujahedin HPP briefed that PEDO floated an advertisement under Single Stage Two Envelope bidding procedures on August 17, 2024 for "Detailed Engineering design, Procurement, Supply, Construction, Erection/Installation, Testing and Commissioning etc. of the 6.95 MW Mujahidin HPP" with the deadline for submission of Bids fixed as October 18, 2024. The deadline for submission of Bids was extended three (3) times; finally, to December 12, 2024. Total Eleven (11) bidders/firms purchased the bidding documents. The Pre-bid meeting was convened on September 19, 2024 participated by five (5) bidders.
20. PD Mujahedin HPP submitted that out of Eleven (11) bidders/firms who purchased the bidding documents, only one (1) bidder M/s GRC-SMS JV submitted their bid. The notified Procurement Committee (PC) opened the Technical Bid of the bidder on the same date i.e., December 12, 2024.
21. PD Mujahedin HPP stated that in pursuance of IB 23.1, and for the proper evaluation of the submitted Bid, the Bidder was asked for four (4) clarifications which was duly responded by the Bidder.
22. PD Mujahedin HPP apprised that as per the criteria outlined under IB 26.2 (c) Appendix-I to Bidding Data Sheet for Specific Experience in key activities, "Design and Manufacturing" requirements are to be met by the bidder or its proposed Specialized Subcontractor. The Bidder fulfilled the requirements through Specialized Subcontractor, however, the Bidder proposed Specialized Subcontractor/Consulting Firm (M/s Paradigm Engineering Consultants) for Civil Work Designs (as allowed in the criteria; and also fulfilling the Design experience requirements) has applied for the PEC registration which was in process during the Technical Bid Evaluation. Therefore, the Eligibility of proposed Specialized Subcontractor/Consultant was discussed in the Procurement Committee Meeting held on March 24, 2025, where it was agreed by the PC members that the PEC registration requirement shall be treated as a condition for the award of the Contract.
23. PD Mujahedin HPP stated that the Procurement Committee evaluated the bidder's Technical Proposal and considered him substantially QUALIFIED, rendering the following recommendations for the consideration and Approval of the PEDO's Executive Committee (EC):
 - 1) Bidder have fulfilled the Eligibility Criteria and the Eligibility of Plant and Services etc. (Country or Origin), in line with decisions of the Procurement Committee date Mar 24, 2025 (subject to submission of PEC license for the proposed Civil Works Design Subcontractor prior to Award of Contract).
 - 2) Bidder have fulfilled the Qualification Criteria in terms of Specific Experience in key activities like; Design experience of Civil Works and Design & Manufacturing Experience as claimed through proposed Subcontractors/Manufacturers.
 - 3) In view of the details given in Appendix-5 of the T-BER, the Technical Bid is Substantially Responsive to the Bidding Document. The Procurement Committee has discussed analyzed and unanimously recommends the following for Approval of the PEDO Executive Committee (EC)/the Competent Authority:

- i. The Technical Bid Evaluation Report (T-BER)
- ii. Thereafter, opening of the Financial Bid

24. PD Mujahedin HPP informed that the T-BER was presented in 18th EC Meeting held on June 5, 2025 and the following decision was made.

The forum deferred the agenda item with the direction that it shall be resubmitted to the Executive Committee after vetting and proper evaluation by the PEDO Procurement & Contract Section.

25. In compliance with the directives of the EC, the T-BER was further discussed with PEDO Procurement & Contract Section, and the case was re-submitted for the approval in the 19th EC. In the meantime, the Bidder submitted the PEC Registration for his Specialized Subcontractor/Design Consultant "Paradigm Engineering Consultants" on June 26, 2025. Additionally, the Bidder submitted the renewed PEC Registration for his Specialized Subcontractor valid till June 2026 on September 5, 2025.

26. PD Mujahedin HPP submitted that the T-BER was presented in the 19th EC Meeting on June 30, 2025. PD Mujahedin HPP offered the detailed T-BER presentation to the Executive Committee followed by detailed discussion. The Executive Committee issued the following directives to the Project Director for necessary clarification and action:

1. The Project Director shall obtain confirmation regarding the PEC registration status of the bidder's specialized subcontractor "M/s Paradigm Engineering Consultants". Furthermore, the subcontractor's prior design experience must be reviewed to assess its alignment with the scope of services proposed under the current registration.
2. The experience certificates submitted must explicitly identify the major design activities undertaken and clearly specify the primary components designed under each referenced project included in the evaluation report. The bidder shall be required to submit detailed information on major design activities and components while the role and input of the specialized sub-contractor shall be reconfirmed by the Management Consultant.
3. The financial worth of the specialized subcontractor must be recalculated in detail, taking into account relevant parameters such as net worth, existing contractual commitments and other pertinent financial indicators.
4. All the member of Procurement Committee should sign the minutes of the meetings, instead of their representatives.
5. A revised and comprehensive analysis, supported by verified documentary evidence duly recommended by Procurement Committee, shall be presented before the Executive Committee in the upcoming meeting for further review and decision.

27. PD Mujahedin HPP in compliance with the EC directives given in its 19th meeting on June 30, 2025, the PD asked the Bidder for further Clarification vide MC's letter No. Letter No. MHPP/3.1/005 dated July 9, 2025 which was duly responded by the Bidder. The Procurement Committee (PC) meeting was scheduled on August 8, 2025 to review, deliberate, and address the observations raised by the EC on the Technical Bid Evaluation Report (T-BER) during its 19th meeting held on June 30,

2025, as well as to consider the Bidder's Clarification No. 8. The following are the recommendations of the PC in response to the decision/observation raised by the EC in its 19th Meeting:

1. The bidder has provided a copy the PEC Registration Certificate of the Specialized Subcontractor M/s Paradigm Engineering Consultant. The registration is valid up to June, 2025. The requirement has been fulfilled by the bidder.
Further, the firm was registered with the Registrar of Firms, Lahore District, in 2011-12 under the Companies Registration Act and has been engaged in consultancy services since then - Complied.
 2. The review of the submitted documents establishes that the Bidder has demonstrated experience in key hydropower projects components, meeting substantial compliance with the design requirements of major components of Weir, Intake, Spillway, Generator Foundation, Tailrace Structure, Headrace Penstock and Powerhouse complex - Substantially Complied.
 3. As per requirement of the bidding document, the Financial Situation (Form B3 and B4) is not required for the Specialized Subcontractor.
The Financial Situation of the Bidder's JV partners, previously endorsed by the Committee as "Complied", has been re-verified by the PEDO Finance Section and found to be in compliance with the requirements of the Bidding Documents - Complied.
28. PD Mujahedin HPP submitted that the following the directives of the PEDO's EC, the Project Procurement Committee (PC) re-evaluated the bidder's Technical Proposal and considers the Bidder as substantially QUALIFIED.
29. PD Mujahedin HPP upon the recommendation of PC requested Executive Committee to approve the following:
- i. Approve the Technical Bid Evaluation Report (T-BER) for the substantially QUALIFIED Bidder M/s GRC-SMS JV.
 - ii. Thereafter, allow the opening of the Financial Bid.

DECISION EC-23-04: - The Executive Committee upon the recommendations of the Project Procurement Committee (PPC) and Project Director, approved the Technical Bid Evaluation Report (T-BER) for the substantially QUALIFIED Bidder M/s GRC-SMS JV. The Project Director was directed to issue the letter for opening of the Financial Proposal to the Bidder upon receipt of the approved Minutes of Meeting (MoM) of the 23rd EC Meeting.


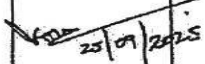



The Executive Committee directed the Project Director to expedite the revision of PC-I and Administrative Approval of the Revised PC-I must be obtained prior to the issuance of Letter of Acceptance (LoA) to the Bidder/EPC Contractor.

The Executive Committee directed the Project Director that the Land Acquisition process for all the Project components shall be completed and ensure the possession of the required land prior to the award of EPC Contract in order to preclude avoidable contractual claims.

ANNEXURE-I

ATTENDANCE SHEET OF
23rd MEETING OF EXECUTIVE COMMITTEE OF PEDO
25th SEPTEMBER, 2025

MEMBERS OF THE EXECUTIVE COMMITTEE

Sr.#	Name of Executive Committee Chairman/ Members	Designation	Signature
1.	Engr. Syed Habib Ullah Shah	Chief Executive Officer, PEDO/ Chairman Executive Committee of PEDO	
2.	Mr. Hamood-Ur-Rahman	Member Finance, PEDO	 25/09/2025
3.	Mr. Aziz Raza	Member Renewable Energy, PEDO	
4.	Mr. Anwar Khan	Additional Secretary Power Representative of Energy & Power Deptt, Khyber Pakhtunkhwa	
5.	Mr. Faraz Ahmad	Secretary Executive Committee	

Annexure-B Letter of Price Bid Opening

Letter of Price Bid Opening



GOVERNMENT OF KHYBER PAKHTUNKHWA.
PAKHTUNKHWA ENERGY DEVELOPMENT ORGANIZATION
NESPAK House, 24/B-2 Phase-V, Hayatabad, Peshawar. Tele: +92-91-9217295. Email: pd.barandoo@pedo.pk



No. 2738-45/PEDO/Barandoo HPP
Dated: October 24, 2025

To
GRC-SMS JV,
Office No.1, Basement Floor,
SM Plaza, Jutial, Gilgit.

Project: Construction of 6.95 MW Mujahidin HPP at Barandoo River, District Torghar, Khyber Pakhtunkhwa (ADP No. 357 (170368)).

Subject: Approval of the Technical Bid Evaluation Report (T-BER) and opening of the Price Bid.

Reference: 1) No.3534-09/PEDO/CEO/23rd EC Minutes Dated: October 20, 2025

It is hereby conveyed that the PEDO Executive Committee (EC), in its 23rd Meeting held on September 25, 2025, has approved the Technical Bid Evaluation Report (T-BER) for the 6.95 MW Mujahidin Hydropower Project at Barandoo River, District Torghar, and consequently authorized the Project office to proceed with the opening of the Price Bid.

Accordingly, the opening of the Price Bid is scheduled to be held on November 04, 2025 (Tuesday) at 11:00 a.m. at the Project Office.

You are hereby requested to ensure the presence of your authorized representative at the stated date, time, and venue to attend the Bid Opening. The Procurement Committee members are also requested to make themselves available for the same.

Your cooperation in ensuring the smooth conduct of the Bid Opening process is highly appreciated.



Project Director
Mujahidin HPP at Barandoo River
District Torghar, PEDO

Copy forwarded for information to:

1. PA to CEO, PEDO, Peshawar.
2. CE (DEV.), PEDO, Peshawar.
3. CE (P&C), PEDO, Peshawar.
4. Director Finance, PEDO, Peshawar.
5. Team Leader/Project Manager, MC, MHPP.
6. Contract Specialist, MC, MHPP.
7. Office Copy.

Project Director
Mujahidin HPP at Barandoo River
District Torghar, PEDO

Annexure-C
Basic Bidding Data
Sheet

Basic Bidding Data Sheet

Item	Value
Project Title	6.95 MW Mujahidin Hydropower Project at Barandoo River
Project Funding	Hydel Development Fund, Govt of Khyber Pakhtunkhwa
Bid Title	Engineering, Procurement and Construction of 6.95 MW Mujahidin Hydropower Project at Barandoo River, District Torghar
Contract No.	170368
Mode of Procurement	International Competitive Bidding using Single Stage, Two Envelope System.
Date of Invitation for Bids	August 17, 2024
Pre-Bid Meeting	11:00 am on September 19, 2024
Latest Date and Time for submission of Bids	14:00 am on December 12, 2024
Technical Bid	
Opening Date and Time	14:00 am on December 12, 2024, which was eventually opened at 15:00 am on the same day
Number of Bids Received	One (01)
Number of Responsive Bidders	One (01)
Price Bid	
Opening Date and Time of Price Bids	11:00 am on November 04, 2025, which was eventually opened at 11:30 am on the same day
Bid Validity	180 Days from the latest for submission of Bids
Bid Expiry Date	June 10, 2025 (extended with continuing effect)
Bid Security	PKR 250,000,000
Bid security validity (Clause IB 15.2)	28 days after expiry of bid validity, or later
Validity of Extend Bid Security	December 09, 2025 (extended with continuing effect)
Currency for Evaluation	PKR
Date for Determining Applicable Exchange Rate	Thursday, November 14, 2024
Exchange Rate	1 USD = 278.03 PKR

Annexure D-1
Record of Price Bid Opening
Attendance Sheet



PEDO
Pakhtunkhwa Energy Development Organization
Government of Khyber Pakhtunkhwa



Attendance Sheet

Meeting of the Procurement Committee for opening of "Price Bid"

for "Construction of 6.95MW Mujahidin Hydropower Project at Barandoo River, District Torghar, KP"

Date: Nov 04, 2025
Time: 11:00 am

Sr. No.	Name	Designation	Department	Email	Contact No.	Signature
01	Suzainaz Khan	PD Mujahidin	PEDO	pd_barandoo@pedo.pk	0300-5935076 0231-9361976	
02	Ijaz Shinwari	TL/PM - MC	ACE (P/P) Ltd.	shinwari.pd.keto@yahoo.com	0300-5908558	
03	M. Shoaib Shahi	Authorized Rep	GRC-SMS JV	mshoaibshahi@gmail.com	0301-7900077 0400-6044	
04	Faisal Habib	DD (PEC)	PEDO	engr.faisal34@gmail.com	0345-5238191	
05	Zia-ur-Rehman	DE PEDO	PEDO	ziaravirat1@gmail.com	03339596387	
06	M. Ejaz Khan	Project Coordinator MC	ACE	ejaz.ace@gmail.com	03339536559	
07	Saydar Hayaat	Director (Dev)	PEDO	—	—	
08	Muhammad Khan	Contract Specialist	ACE (P/H) Ltd	panida2arad@yahoo.com	0345484518	
09						
10						

Annexure D-2
Record of Price Bid Opening
Readout Bid Price



PEDO
Pakhtunkhwa Energy Development Organization
Government of Khyber Pakhtunkhwa



Record of Price Bid Opening
EPC Contract for Construction Of 6.95 MW Mujahidin Hydropower Project at
Barandoo River, District Torghar, Khyber Pakhtunkhwa

Date: November 04, 2025
Time: 11:00 Hrs.

Sr. No.	Name of Bidder	Read Out Bid Price (Pak Rs.)	Premium /Discount Offered (Pak Rs.)	Name of Bidder's Representative	Signature of Bidder's Representative	Remarks
1	M/s GRC-SMS JV	PKR. 9,722,984,380	—	M. Shoaib Ikahi		

PKR Nine billion, Seven Hundred twenty two million, Nine hundred eighty four thousand, Three Hundred and eighty.

PROCUREMENT COMMITTEE MEMBERS

Procurement Officer/Contract Section,
PEDO

Development Section,
PEDO

Project Director, MHEP
PEDO

Team Leader/Project Manager
MC, Mujahidin HPP

Contract Specialist
MC, Mujahidin HPP

Finance Section,
PEDO

Annexure D-3
Record of Price Bid Opening (Bid Security)



PEDO
Pakhtunkhwa Energy Development Organization
Government of Khyber Pakhtunkhwa



Record of Price Bid Opening

EPC Contract for Construction Of 6.95 MW Mujahidin Hydropower Project at
Barandoo River, District Torghar, Khyber Pakhtunkhwa

Date: November 04, 2025
Time: 11:00 Hrs.

Sr. No.	Name of Bidder	Bid Security (Yes/No.)	Bid Security Amount (Pak Rs.)	Form of Bid Security	Name of Bank Issuing Bid Security	Name of Bidder's Representative	Signature of Bidder's Representative
1	M/S GRC-SMS JV	Yes	PKR. 250,000,000	BANK Guarantee	Bank of Punjab	M. Shoaib Jlahi	

PROCUREMENT COMMITTEE MEMBERS

Procurement and Contract Section,
PEDO

Development Section,
PEDO

Project Director, MHPP
PEDO

Team Leader/Project Manager
MC, Mujahidin HPP

Contract Specialist
MC, Mujahidin HPP

Finance Section
PEDO

Annexure-E
Clarifications Sought from Bidder and Bidder's
Response



Ref No: MHPP/3.1/006

Date: December 16, 2025

To,

Engr. Muhammad Shoaib Ilahi,
Authorized Representative of the GRC-SMS (JV),
Office # 01, Basement Floor,
SM Plaza, Jutial, Gilgit.
Contact: 0301-7900079.

Project: Construction of 6.95 MW Mujahidin Hydropower Project at Barandoo River, District Torghar, Khyber Pakhtunkhwa (ADP No. 357 (170368)).

Subject: Price Bid Clarification No: 1 Required by Procurement Committee (PC) on Price Bid

With reference to Procurement Committee meeting convened on December 15, 2025, wherein the Bidder's Price Bid was discussed in detail. To conclude the Price Bid Evaluation, it is requested to provide the attached clarifications in accordance with IB-23.1 (Clarification of Bids) of the Bidding Documents at earliest preferably on or before December 19, 2025.

With Regards,

Team Leader/Project Manager,
6.95MW Mujahidin HPP

Enc: Annex-A

Copy forwarded for information to:

1. The Project Director Mujahidin HPP, PEDO, Peshawar.
2. The Regional Head, (North) ACE.
3. Chief Representative, ACE Peshawar.
3. Office Copy.



Annex-A

S. no	Clarifications Required
1.	<p>The bidder has submitted breakup of its lump sum cost for E & M plant / equipment by splitting those into two parts i.e. (i) fabrication, manufacturing, testing and transportation and (ii) taxes and duties. The bidder has also submitted unit rate analyses for excavation, concrete, steel and shotcrete works.</p> <p>However as per Schedule-L to Bid (Ref Addendum No. 2), the bidder is required to provide detailed breakup of its lump sum costs in a manner that the overall picture for the quoted price can be understood. It should include major heading wise cost breakup, including rate analysis for at least 6 major cost items. Kindly provide the detailed cost breakdown for item no: 4.1.2,4.1.3,4.1.5,4.1.7,4.1.8 and 4.2.1 of schedule 4 of civil works and of major components of E&M plant / equipment. In pursuance to above Schedule-L, the Bidder is also required to provide the break-up of its costs for Item No. 3.7 and 3.8 of Schedule-3.</p>
2.	<p>The bidder is required to provide the missing Payment Procedures, Annex-1 Attachment to PCC Sub-Clause 33.1.</p>
3.	<p>The bidder has proposed US-based indices for price adjustment in Table of Adjustment Data-Foreign Currency. However as per para (b) of Price Adjustment - Schedule-I: Plant and Equipment Supplied from Abroad of Annex-2-Attachment to PCC Sub-Clause 47.1 which states, "<u><i>If the currency in which the Contract price, P0, is expressed is different from the currency of the country of origin of the labor and/or materials indexes, a correction factor will be applied to avoid incorrect adjustments of the Contract price. The correction factor shall correspond to the ratio of exchange rates between the two currencies on the base date and the date for adjustment as defined above.</i></u>", the bidder is required to submit the indices for labor and materials as per the country of origin for correction factor.</p>



6.95 MW Mujahidin Hydropower Project at Barando River, District Torghar (MHPP)



GRC-SMS JV

Date: January 01, 2026

Reference: GRC/O/ISB/26/001

Team Leader/Project Manager,

6.95 MW Mujahidin Hydropower Project,
House No.437 Yousafzai Street, Afzalabad,
Old Bara Road, University Town, Peshawar
Khyber Pakhtunkhwa, Pakistan
Email. mujahidinhpp@gmail.com

SUBJECT: Construction of 6.95 MW Mujahidin Hydropower Project at Barando River, District Torghar (MHPP), Khyber Pakhtunkhwa (ADP No.357(170368)

Price Bid Clarification No: 1 Required by Procurement Committee (PC) on Price Bid

Dear sir,

Referring to your Letter No. MHPP/3.1/006 dated December 16, 2025, please find herewith our response to Price Bid Clarification No: 1 for your kind information and review.

Thanking you and assuring you of our best services,

Sincerely,

For and on behalf of GRC-SMS JV

Engr. Muhammad Shoaib Ilahi
Authorized Representative

Cc: 1. The Project Director Mujahidin HPP, PEDO, Peshawar
2. Office Copy

GRC – SMS JV Office

Office#01, Basement floor, SM PLAZA, Jutial, Gilgit.

Mobile: +923017900079,+92 323 9914810

Email: mshoaibilahi@yahoo.co.uk,babarmahmoodv8@gmail.com

TABLE-1

S. no.	Clarifications Required	Response (GRC-SMS JV)
1.	<p>The Bidder has submitted breakup of its lump sum cost for E & M plant / equipment by splitting those into two parts i.e. (i) fabrication, manufacturing, testing and transportation and (ii) taxes and duties. The bidder has also submitted unit rate analyses for excavation, concrete, steel and shotcrete works.</p> <p>However as per Schedule-L to Bid (Ref Addendum No.2), the bidder is required to provide detailed breakup of its lump sum costs in a manner that the overall picture for the quoted price can be understood. It should include major heading wise cost breakup, include rate analysis for at least 6 major cost items. Kindly provide the detailed cost breakdown for item no: 4.1.2,4.1.3,4.1.5,4.1.7,4.1.8 and 4.2.1 of schedule 4 of civil works and of major components of E&M plant / equipment, In pursuance to above schedule-L, the Bidder is also required to provide the break-up of its costs for item No. 3.7 and 3.8 of Schedule-3.</p>	<p>In response to the clarification, Cost Breakdown of item no: 4.1.2,4.1.3,4.1.5,4.1.7,4.1.8 and 4.2.1 of schedule 4 of civil works and the break-up of its costs for item No. 3.7 and 3.8 of Schedule-3.is attached as ANNEX-1.</p>
2.	<p>The bidder is required to provide the missing Payments Procedures, Annex-1 Attachment to PCC Sub-Clause 33.1.</p>	<p>In response to the clarification, We understand that payment procedure, Annex-1 Attachment to PCC Sub-Clause 33.1 is required after the award of the Contract, however we are submitting herewith as ANNEX-2 and if there is any further requirement, will be submitted during the pre-contract award stage</p>
3.	<p>The bidder has proposed US-based indices for price adjustment in Table of Adjustment Data-Foreign Currency. However as per para (b) of Price Adjustment – Schedule-I: Plant and Equipment supplied from Abroad of Annex-2-Attachment to PCC Sub-Clause 47.1 which states, “<i>If the currency in which the Contract Price, P0, is expressed is different from the currency of the country of origin of the labor and/or material indexes, a correction factor will be applied to avoid incorrect adjustments of the Contract Price. The correction factor shall correspond to the ratio of exchange rates between the two currencies on the base date and the date for adjustment as defined above.</i>”, the bidder is required to submit the indices for labor and materials as per the country of origin for correction factor.</p>	<p>Referring to our Financial Bid, we have attached the indices of Materials and Labours as per quoted price of Foreign Currency in USD, however we agree that the correction factor should be applied to base and current price but we couldn't find the base prices and provide us the indices and will discuss mutually to finalize the correction factor.</p>

ANNEX – 1

COST BREAKDOWN

MUJAHIDIN HYDROPOWER PROJECT



4.1.2- Residential and Office Buildings of the Employer's colony including all associated works.

GRC-SMS JV

ITEM NO.	DESCRIPTION	AMOUNT (PKR)	REMARKS
1	Office (Single Story)	50,087,800.00	
2	Guest House (Single Story)	50,087,800.00	
3	Hostel (Single Story)	57,243,200.00	
4	Masjid (Single Story)	57,243,200.00	
5	Dispensary	26,362,000.00	
6	Shops	5,649,000.00	
7	CAT-I (Single Story)	91,595,200.00	
8	CAT-II (Double story)	106,504,500.00	
9	CAT-III (Double story)	253,092,000.00	
10	CAT-IV (Double story)	112,980,000.00	
11	Park	32,325,150.00	
	Total	843,169,850.00	



MUJAHIDIN HYDROPOWER PROJECT

4.1.3- ACCESS ROADS

GRC-SMS JV

ITEM NO.	DESCRIPTION	AMOUNT (PKR)	REMARKS
1	Dam Access Road	49,000,000.00	
2	Colony Access Road	77,300,000.00	
3	Surge Shaft Access Road	85,000,000.00	
4	Colony Internal Roads	120,000,000.00	
5	Poerhouse Access Road	193,420,000.00	
Total		524,720,000.00	



MUJAHIDIN HYDROPOWER PROJECT

4.1.5- MAIN DAM/WEIR

GRC-SMS JV

ITEM NO.	DESCRIPTION	AMOUNT (PKR)	REMARKS
	MAIN DAM/WEIR		
1	Excavation	284,796,697.50	
2	PCC	550,410,170.63	
3	Plum Concrete	49,720,282.50	
4	Structural Concrete	749,172,622.28	
5	Reinforcement	570,805,474.58	
6	Rock Bolting	1,141,560.00	
7	Wire Mesh & Shotcreting	11,432,421.00	
8	Stone Pitching	4,095,000.00	
	UNDERSLUICES		
9	Excavation	48,348,608.70	
10	PCC 1:4:8	4,158,420.53	
11	PCC 1:3:6	33,756,345.00	
12	Plum Concrete	10,859,393.79	
13	Structural Concrete	145,313,489.48	
14	Reinforcement	108,064,339.95	
15	Stone Pitching	1,515,150.00	
	Total	2,573,589,976	



MUJAHIDIN HYDROPOWER PROJECT

4.1.7- CUT AND COVER CONDUIT

GRC-SMS JV

ITEM NO.	DESCRIPTION	AMOUNT (PKR)	REMARKS
1	Earthwork	99,931,092.24	
2	Lean Concrete	4,676,805.00	
3	Structural Concrete	146,136,059.37	
4	Reinforcement	108,216,039.33	
5	Water stopper	4,076,392.32	
6	Stone Pitching	925,470.00	
Total		363,961,858	



MUJAHIDIN HYDROPOWER PROJECT

4.1.8- HEADRACE TUNNEL

GRC-SMS JV

ITEM NO.	DESCRIPTION	AMOUNT (PKR)	REMARKS
1	Tunnel Excavation All Types	238,324,938.60	
2	Concrete	119,681,131.92	
3	Reinforcement	80,602,881.45	
4	Rock Bolt	23,168,911.50	
5	Wire Mesh & Shotcrete	66,810,635.85	
Total		528,588,499.32	



MUJAHIDIN HYDROPOWER PROJECT
4.2.1- FIELD CAMPS, OFFICES AND OPERATING FACILITIES
GRC-SMS JV

ITEM NO.	DESCRIPTION	AMOUNT (PKR)	REMARKS
1	Provision of Fursnished Field Camps, Offices and temporary accomodation	130,000,000.00	
2	All Consumables, spares replacements etc	10,000,000.00	
3	Electricity	20,000,000.00	
4	Telephone & Internet Facility	5,000,000.00	
5	Canteen/Cateering Facility	15,000,000.00	
6	Personnel for Internal Security and the project area	20,000,000.00	
Total		200,000,000.00	



MUJAHIDIN HYDROPOWER PROJECT

3.7-Erection/Installation of E&M Plant and equipment

GRC-SMS JV

ITEM NO.	DESCRIPTION	AMOUNT (USD)	REMARKS
1	Installation of Mechanical Equipment	150,000.00	
2	Installation of Electrical Equipment	150,000.00	
3	Installation of auxiliary Equipment	100,000.00	
4			
Total		400,000.00	

MUJAHIDIN HYDROPOWER PROJECT



3.8- Testing and Commissioning on completion.

GRC-SMS JV

ITEM NO.	DESCRIPTION	AMOUNT (USD)	REMARKS
1	Dry Test	50,000.00	
2	Wet Test	50,000.00	
3			
4			
5			
6			
Total		100,000.00	

ANNEX – 2

ANNEX-1 PAYMENT PROCEDURE



**Annex 1 - Attachment to PCC Sub Clause 33.1
Payment Procedures**

GRC-SMS JV

Activity	Sub Activity	Title	BOQ AMOUNT	Advance Estimated In Rs. #	Months of Completion of sub activity																				
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
					Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #		
Schedule 5 - Mandatory Spare Parts and Tools																									
Activity details																									
		Complete Spare Parts	89,817,368	8,981,737																12,125,345	12,125,345	12,125,345	12,125,345	12,125,345	12,125,345
GRAND TOTAL (Million RS)			922.30	63.85	65.53	65.53	80.83	150.64	183.94	208.77	202.96	230.84	254.00	272.44	281.99	318.28	368.15	397.99	415.73	435.85	447.50				



MUJAHIDIN HYDROPOWER PROJECT

Annex 1 - Attachment to PCC Sub Clause 33.1
Payment Procedures

GRC-SMS JV

Activity	Sub Activity	Title	BOQ AMOUNT	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Final Payments	Total Payment of each activity to be carried to Price Schedule																								
				Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Total of each Sub Activity	Total of each Activity																						
Schedule 1 - Plant and Equipment Supplied from Abroad																																														2,133,408,281	
	1.1	Francis Turbine & Auxiliaries complete in all respects including cooling system etc.,	292,556,279	10,532,026	7,899,020	7,899,020	7,899,020	7,899,020	7,899,020	7,899,020	7,899,020	7,899,020	7,899,020	7,899,020	7,899,020	7,899,020	7,899,020	5,266,013	5,266,013	2,633,007	2,633,007	2,633,007			292,556,279																						
	1.2	Generators & Auxiliaries complete in all respects.	302,013,076	10,872,471	8,154,353	8,154,353	8,154,353	8,154,353	8,154,353	8,154,353	8,154,353	8,154,353	8,154,353	8,154,353	8,154,353	8,154,353	8,154,353	5,436,235	5,436,235	2,718,118	2,718,118	2,718,118			302,013,076																						
	1.3	Governing system, complete in all respects.	19,613,101	706,072	529,554	529,554	529,554	529,554	529,554	529,554	529,554	529,554	529,554	529,554	529,554	529,554	529,554	353,036	353,036	176,518	176,518	176,518			19,613,101																						
	1.4	Butterfly Inlet Valves and Auxiliaries.	60,544,748	2,179,611	1,634,708	1,634,708	1,634,708	1,634,708	1,634,708	1,634,708	1,634,708	1,634,708	1,634,708	1,634,708	1,634,708	1,634,708	1,634,708	1,089,805	1,089,805	544,903	544,903	544,903			60,544,748																						
	1.5	Powerhouse Overhead Cranes & Auxiliaries equipment.	30,319,750	1,091,511	818,633	818,633	818,633	818,633	818,633	818,633	818,633	818,633	818,633	818,633	818,633	818,633	818,633	545,755	545,755	272,878	272,878	272,878			30,319,750																						
	1.6	Mobile Crane.	65,977,500	2,375,190	1,781,393	1,781,393	1,781,393	1,781,393	1,781,393	1,781,393	1,781,393	1,781,393	1,781,393	1,781,393	1,781,393	1,781,393	1,781,393	1,187,595	1,187,595	593,798	593,798	593,798			65,977,500																						
	1.7	Draft Tube, Gates and Auxiliaries complete in all respects.	17,148,056	617,330	462,998	462,998	462,998	462,998	462,998	462,998	462,998	462,998	462,998	462,998	462,998	462,998	462,998	308,665	308,665	154,333	154,333	154,333			17,148,056																						
	1.8	SCADA System complete in all respects.	7,652,820	275,502	206,626	206,626	206,626	206,626	206,626	206,626	206,626	206,626	206,626	206,626	206,626	206,626	206,626	137,751	137,751	68,875	68,875	68,875			7,652,820																						
	1.9	Telecommunication system complete in all respects.	48,832,281	1,757,962	1,318,472	1,318,472	1,318,472	1,318,472	1,318,472	1,318,472	1,318,472	1,318,472	1,318,472	1,318,472	1,318,472	1,318,472	1,318,472	878,981	878,981	439,491	439,491	439,491			48,832,281																						
	1.10	Penstocks and all associated items etc.	49,976,647	1,799,159	1,349,369	1,349,369	1,349,369	1,349,369	1,349,369	1,349,369	1,349,369	1,349,369	1,349,369	1,349,369	1,349,369	1,349,369	1,349,369	899,580	899,580	449,790	449,790	449,790			49,976,647																						
	1.11	Radial gates with hoisting system complete in all respect.	237,636,319	12,832,361	6,416,181	6,416,181	6,416,181	6,416,181	6,416,181	6,416,181	6,416,181	6,416,181	6,416,181	6,416,181	6,416,181	6,416,181	6,416,181	5,346,817	4,277,454	4,277,454	2,138,727	2,138,727	2,138,727			237,636,319																					
	1.12	All other gates including hoisting system complete in all respect.	59,828,216	2,153,816	1,615,362	1,615,362	1,615,362	1,615,362	1,615,362	1,615,362	1,615,362	1,615,362	1,615,362	1,615,362	1,615,362	1,615,362	1,615,362	1,076,908	1,076,908	538,454	538,454	538,454			59,828,216																						
	1.13	Trash Racks along with Rail mounted "grab and bucket" Trash Rack Cleaning Machine (TRCM) complete in all respect.	57,542,951	2,071,546	1,553,660	1,553,660	1,553,660	1,553,660	1,553,660	1,553,660	1,553,660	1,553,660	1,553,660	1,553,660	1,553,660	1,553,660	1,553,660	1,035,773	1,035,773	517,887	517,887	517,887			57,542,951																						
	1.14	Medium Voltage (11KV) Busbar / switchgears along with auxiliary equipment's	146,679,049	5,280,446	3,960,334	3,960,334	3,960,334	3,960,334	3,960,334	3,960,334	3,960,334	3,960,334	3,960,334	3,960,334	3,960,334	3,960,334	3,960,334	2,640,223	2,640,223	1,320,111	1,320,111	1,320,111			146,679,049																						
	1.15	11KV transmission & 0.4KV distribution system complete in all respect (including Civil Works and other auxiliary/ equipment).	663,110,229	41,775,944	29,839,960	17,903,976	17,903,976	17,903,976	17,903,976	17,903,976	17,903,976	17,903,976	17,903,976	17,903,976	17,903,976	17,903,976	17,903,976	11,935,984	11,935,984	5,967,992	5,967,992	5,967,992			663,110,229																						
	1.16	Station Service (200kVA), Distribution T/F for Colony (3x200kVA), Weir Site T/F (50kVA) along with Distribution Transformers i. 100 KVA ii. 50 KVA iii. 25 KVA Complete in all respect as per Employer's Requirement.	73,977,260	2,663,181	1,997,386	1,997,386	1,997,386	1,997,386	1,997,386	1,997,386	1,997,386	1,997,386	1,997,386	1,997,386	1,997,386	1,997,386	1,997,386	1,331,591	1,331,591	665,795	665,795	665,795			73,977,260																						
Schedule 2 - Plant and Equipment Supplied from within Pakistan																																															
Activity details		The Bidders shall list down all the Components of Plant and equipment, which they consider appropriate to supply from within Pakistan.																																													
Schedule 3 - Design Services, Installation and other Services																																															455,937,551
Activity details																																															
	3.1	Design of Civil Works	212,862,551																							212,862,551																					
	3.2	Physical Model Testing for Confirmation of Hydraulic Designs and associated costs.	deleted																							-																					
	3.3	Design of E&M and, Transmission line, Substations and Hydro-mechanical steel works	41,670,000																							41,670,000																					



**Annex 1 - Attachment to PCC Sub Clause 33.1
Payment Procedures**

GRC-SMS JV

Activity	Sub Activity	Title	BOQ AMOUNT	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Final Payments	Total Payment of each activity to be carried to Price Schedule		
				Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Total of each Sub Activity
	3.4	Erection sequence Drawings for E&M and H/M steel Works	41,670,000	1,500,120	1,125,090	1,125,090	1,125,090	1,125,090	1,125,090	1,125,090	1,125,090	1,125,090	1,125,090	1,125,090	1,125,090	1,125,090	1,125,090	750,060	750,060	375,030	375,030	375,030	375,030	41,670,000	
	3.5	Supervision of Works (Civil, E&M & H&M) and installation to ensure the implementation of approved design and specifications at site.	13,890,000	375,030.00	375,030.00	375,030.00	375,030.00	375,030.00	375,030.00	375,030.00	375,030.00	375,030.00	375,030.00	375,030.00	375,030.00	250,020.00	250,020.00	250,020.00	250,020.00	250,020.00	250,020.00	250,020.00	125,010.00	13,890,000	
	3.6	Construction and As built Drawings along with project completion report.	6,945,000																	1,875,150	2,500,200	1,875,150	6,945,000		
	3.7	Erection/Installation of E&M Plant and equipment, complete in all respect for the Operational Acceptance and to the satisfaction of the Engineer.	111,120,000	4,000,320	3,000,240	3,000,240	3,000,240	3,000,240	3,000,240	3,000,240	3,000,240	3,000,240	3,000,240	3,000,240	3,000,240	3,000,240	3,000,240	2,000,160	2,000,160	1,000,080	1,000,080	1,000,080	1,000,080	111,120,000	
	3.8	Testing and Commissioning on completion.	27,780,000																		11,250,900	12,501,000	1,250,100	27,780,000	
Schedule 4 - Civil Works, Installation and other Services																									
Activity details																								6,543,821,180	
	4.1	Civil Works																						-	
	4.1.1	Temporary Works including River Diversion and care of water etc.	224,000,000	20,160,000	20,160,000																			224,000,000	
	4.1.2	Residential and Office Buildings of the Employer's colony including all associated works.	843,169,850	30,354,115	30,354,115	30,354,115	30,354,115	30,354,115	30,354,115	30,354,115	37,942,643	30,354,115	22,765,586	22,765,586									7,588,529	843,169,850	
	4.1.3	Access Roads.	524,720,000																				9,444,960	524,720,000	
	4.1.4	Bridge	127,016,657								10,288,349	10,288,349	10,288,349	9,145,199	9,145,199	9,145,199	9,145,199	9,145,199	9,145,199	9,145,199	9,145,199	9,145,199	1,143,150	127,016,657	
	4.1.5	Main Weir/Dam and associated works.	2,573,589,976	115,811,549	115,811,549	115,811,549	115,811,549	69,486,929	69,486,929	57,905,774	34,743,465												23,162,310	2,573,589,976	
	4.1.6	Intake Structure and associated works.	235,958,168	31,854,353	31,854,353	31,854,353	25,483,482	25,483,482															2,123,624	235,958,168	
	4.1.7	Cut and Cover Conduit and associated works.	363,961,858	32,756,567	32,756,567	32,756,567	32,756,567	32,756,567	32,756,567	32,756,567	36,032,224	26,205,254											3,275,657	363,961,858	
	4.1.8	Headrace Tunnel, including all RSW, Concrete Lining etc.	528,588,499	33,301,075	33,301,075	28,543,779	28,543,779	28,543,779	28,543,779	28,543,779	28,543,779	28,543,779	28,543,779	28,543,779									4,757,296	528,588,499	
	4.1.9	Surge Tank, including RSW, Concrete Lining and associated works.	202,854,656							18,256,919	18,256,919	18,256,919	18,256,919	18,256,919	18,256,919	18,256,919	18,256,919	16,431,227					1,825,692	202,854,656	
	4.1.10	Penstocks (Civil Works)	37,209,700							3,348,873	3,348,873	3,348,873	3,348,873	3,348,873	3,348,873	3,348,873	3,348,873	3,013,986					334,887	37,209,700	
	4.1.11	Power House and associated works including drainage system of rain water.	370,423,305	16,669,049	16,669,049	16,669,049	16,669,049	16,669,049	13,335,239	13,335,239	13,335,239	13,335,239	13,335,239	13,335,239	13,335,239	13,335,239	13,335,239	13,335,239	13,335,239	13,335,239	13,335,239	13,335,239	3,333,810	370,423,305	
	4.1.12	Tailrace, including retaining wall and other river protection works etc.	207,328,512												27,989,349	27,989,349	27,989,349	27,989,349	27,989,349	26,123,392	22,391,479	22,391,479	3,731,913	207,328,512	
	4.2	Miscellaneous																						-	
	4.2.1	Provision of field camps, offices and operating facilities for Consultant and Employer	200,000,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	3,600,000	1,800,000	200,000,000	
	4.2.2	Transport for the Engineer/ Employer staff	105,000,000	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	2,362,500	105,000,000	



**Annex 1 - Attachment to PCC Sub Clause 33.1
Payment Procedures**

GRC-SMS JV

Activity	Sub Activity	Title	BOQ AMOUNT	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	Final Payments	Total Payment of each activity to be carried to Price Schedule		
				Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Estimated In Rs. #	Total of each Sub Activity	Total of each Activity
Schedule 5 - Mandatory Spare Parts and Tools																									
Activity details																									89,817,368
		Complete Spare Parts	89,817,368	6,466,851																			1,616,713	89,817,368	
GRAND TOTAL (Million RS)				398.20	360.91	324.05	317.68	271.36	264.15	262.85	250.56	198.40	163.46	163.46	140.14	140.02	138.95	117.28	95.97	84.79	73.33	90.33		9,222.984	



MUJAHIDIN HYDROPOWER CONSULTANTS - (MHC)

Project Office: House No. 437, Yousafzai Street, Afzalabad, Old Bara Road, University Town, Peshawar
Phone: 92-91-5700397 Email: mujahidinhpp@gmail.com

Ref No MHPP/3.1/007

Date: January 13, 2026

To,

Engr. Muhammad Shoaib Ilahi,
Authorized Representative of the GRC-SMS (JV),
Office # 01, Basement Floor,
SM Plaza, Jutial, Gilgit.
Contact: 0301-7900079.

Project: Construction of 6.95 MW Mujahidin Hydropower Project at Barandoo River, District Torghar, Khyber Pakhtunkhwa (ADP No. 357 (170368)).

Subject: Price Bid Clarification No: 2 Required by Procurement Committee (PC) on Price Bid

References: 1. Your Letter No. GRC/O/ISB/26/001, Date: January 01, 2026
2. Our Letter No. MHPP/3.1/006, Date: December 16, 2025

This is with reference to the Clarifications received vide Ref. 1 in response to our letter at Ref. 2. The response submitted under Ref. 1 was examined and it is found that some points need to be further clarified in light of the Employer's Requirements & Technical Specifications (Volume II of the Bidding Documents), which are attached as Annexure-A.

It is requested to provide the required further clarifications in accordance with IB-23 (Clarification of Bids) of the Bidding Documents, preferably by today or by closing of office hours tomorrow, January 14, 2026.

Team Leader/Project Manager,
6.95MW Mujahidin HPP

Enc. Annexure-A

Copy forwarded for information to:

1. The Project Director Mujahidin HPP, PEDO, Peshawar.
2. The Regional Head, (North) ACE.
3. Project Coordinator MHPP
3. Office Copy.

JOINT VENTURE OF:





MUJAHIDIN HYDROPOWER CONSULTANTS - (MHC)

Project Office: House No. 437, Yousafzai Street, Afzalabad, Old Bara Road, University Town, Peshawar
Phone: 92-91-5700397 Email: mujahidinhpp@gmail.com

Annexure-A

Sr. No.	Clarifications Required	Response (GRC-SMS JV)	MC Observations
1.	<p>The Bidder has submitted breakup of its lump sum cost for E & M plant / equipment by splitting those into two parts i.e. (i) fabrication, manufacturing, testing and transportation and (ii) taxes and duties. The bidder has also submitted unit rate analyses for excavation, concrete, steel and shotcrete works.</p> <p>However as per Schedule-L to Bid (Ref Addendum No.2), the bidder is required to provide detailed breakup of its lump sum costs in a manner that the overall picture for the quoted price can be understood. It should include major heading wise cost breakup, include rate analysis for at least 6 major cost items. Kindly provide the detailed cost breakdown for item no: 4.1.2,4.1.3,4.1.5,4.1.7,4.1.8 and 4.2.1 of schedule 4 of civil works and of major components of E&M plant / equipment, In pursuance to above schedule-L, the Bidder is also required to provide the break-up of its costs for item No. 3.7 and 3.8 of Schedule-3.</p>	<p>In response to the clarification, Cost Breakdown of item no: 4.1.2, 4.1.3, 4.1.5, 4.1.7, 4.1.8 and 4.2.1 of schedule 4 of civil works and the break-up of its costs for item No. 3.7 and 3.8 of Schedule-3.is attached as ANNEX-1.</p>	<p>Detailed Breakdown Required.</p>

JOINT VENTURE OF:





MUJAHIDIN HYDROPOWER CONSULTANTS - (MHC)

Project Office: House No. 437, Yousafzai Street, Afzalabad, Old Bara Road, University Town, Peshawar
Phone: 92-91-5700397 Email: mujahidinhpp@gmail.com

2.	The bidder is required to provide the missing Payments Procedures, Annex-1 Attachment to PCC Sub-Clause 33.1.	<p>In response to the clarification, We understand that payment procedure,</p> <p>Annex-1 Attachment to PCC Sub-Clause 33.1 is required after the award of the Contract, however we are submitting herewith as ANNEX-2 and if there is any further requirement, will be submitted during the pre-contract award stage.</p>	The bidder shall provide updated Annex-2 during the pre-award stage, in case the bidder is considered for the awarded of the contract.
3.	The bidder has proposed US-based indices for price adjustment in Table of Adjustment Data-Foreign Currency. However as per para (b) of Price Adjustment – Schedule-I: Plant and Equipment supplied from Abroad of Annex-2-Attachment to PCC Sub-Clause 47.1 which states, "If the currency in which the Contract Price, P0, is expressed <u>is different from the currency of the country of origin of the labor and/or material indexes</u> , a correction factor will be applied to avoid incorrect adjustments of the Contract Price. The correction factor shall correspond to the ratio of exchange rates between the two currencies on the base date and the date for adjustment as defined above.", the bidder is required to submit the indices for labor and materials as per the country of origin for correction factor.	Referring to our Financial Bid, we have attached the indices of Materials and Labours as per quoted price of Foreign Currency in USD, however we agree that the correction factor should be applied to base and current price but we couldn't find the base prices and provide us the indices and will discuss mutually to finalize the correction factor.	No indices data has been provided. The bidder shall require submitting indices of material and labor for its proposed plant as per the country of origin during the pre-award stage, in case the bidder is considered for the awarded of the contract.

JOINT VENTURE OF:



6.95 MW MUJAHIDIN HYDROPOWER PROJECT

EMPLOYER: PAKHTUNKHA ENGERGY DEVELOPMENT ORGANIZATION



BIDDER: GHULAM RASOOL & COMPANY (PVT) LTD. &
SULTAN MEHMOOD & SONS JOINT VENTURE (GRC-SMS JV)

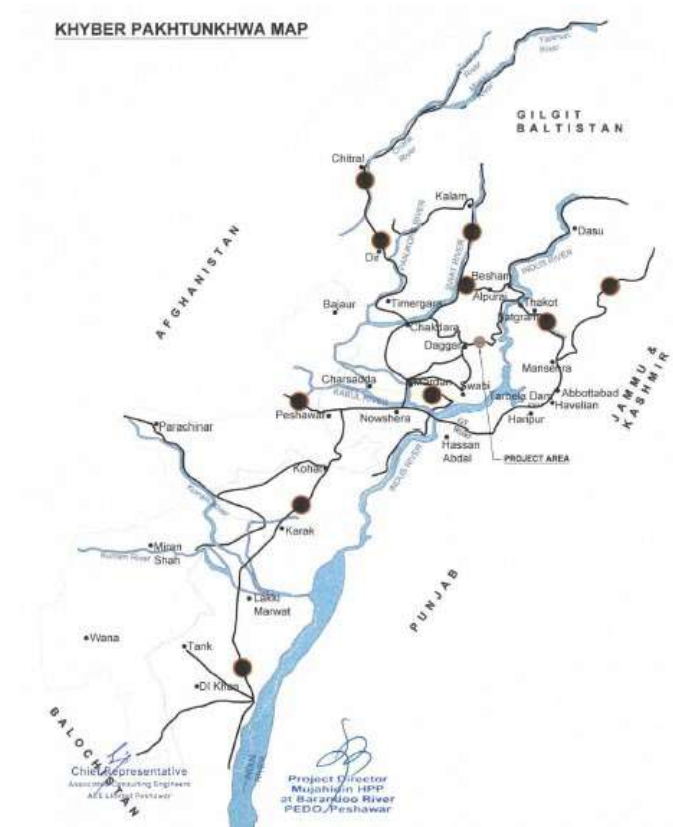


TABLE OF CONTENT

1. PROJECT OVERVIEW
2. MAJOR CIVIL COMPONENTS
3. GRC-SMS FINANCIAL BID SUMMARY
4. JUSTIFICATION OF GRC-SMS FINANCIAL BID
 1. Table-1 Comparison of basic rates
 2. Table-2 Comparison of structures
 3. Table-3 Comparison of rates with other pedo projects
 4. Table-4 Rate analysis of major rates
5. POTENTIAL RISKS
6. WAY FORWARD
7. SUGGESTIONS

PROJECT OVERVIEW

INSTALLED CAPACITY: **6.95 MW**
DURATION: **1095 DAYS**
RIVER : **BARANDO RIVER**
LOCATION: **TORGHAR, HAZARA DIVISION**
DIST FROM ISLAMABAD: **230KM**



MAJOR CIVIL WORKS COMPONENTS

DESCRIPTION	LENGTH	WIDTH/DIA	HEIGHT	AREA
MAIN DAM/WEIR	147 M	68 M	-	-
HEADRACE TUNNEL	1200 M	3.5 M	-	-
CUT AND COVER CONDUIT	404 M	3.5 M	3.0 M	-
SURGE SHAFT	27 M	7.4 M	-	-
POWERHOUSE	44 M	15.6 M	19.35 M	-
RESIDENTIAL COLONY	-	-	-	11490 SQM
ACCESS ROAD	3748 M			

GRC-SMS JV BOQ SUMMARY

Description	Unit	Qty	Rate	Amount
Excavation in Shingle or Gravel	m ³	113,517.98	1,400	158,925,169
Excavation in hard rock requiring blasting	m ³	199,018.67	2,800	557,252,275
PCC 1:4:8	m ³	26,510.80	22,050	584,563,118
PCC 1:2:4	m ³	852.50	25,010	21,320,900
PCC 1:3:6	m ³	1,530.90	22,050	33,756,345
Plum Concrete 1:3:6 50% Boulders	m ³	4,087.71	19,210	78,524,967
RCC 1:1:2	m ³	42,421.05	34,870	1,479,222,014
Shotcrete 35 mpa	m ³	1,443.93	47,990	69,294,129
Steel Grade 60	tonne	3,102.02	370,450	1,149,141,457
Wire Mesh	sqm	14,436.08	2,100	30,315,773
Rock Bolt 3m dia 20 mm	No.	6,096.00	4,530	27,614,880
Tunnel Excavation Type-I	m ³	387.08	17,700	6,851,360
Tunnel Excavation Type-II	m ³	1,311.46	15,600	20,458,784
Tunnel Excavation Type-III	m ³	10,221.54	13,640	139,421,806
Tunnel Excavation Type-IV	m ³	4,612.76	13,150	60,657,728
Tunnel Excavation Type-V	m ³	831.60	12,240	10,178,784
Complete Colony Works	LS	1.00	-	843,169,850
Access Roads incl Colony Roads	LS	1.00	-	524,720,000
E& M EQUIPMENT	LS	1.00	-	2,095,604,716
DESIGN	LS	-	-	243,075,000
PROVISIONAL SUM	-	-	-	500,000,000
Misc incld other Items Cost	LS	1.00	-	1,088,915,327
Total Amount (PKR)				9,722,984,380

JUSTIFICATION OF GRC-SMS JV FINANCIAL PROPOSAL

- Lead Partner GRC is the prestigious firm in the field of hydropower and executing the number of hydropower projects larger than the subject project in Pakistan and has gone through various phases during the execution.
- We have heard that the Engineer's Estimate is based on MRS Biannual 2022 but the Bid was submitted on November 2024. During this period Prices of Materials, Labor & Equipment are increased . We have prepared the comparison table which depicts the increase in material and labor prices and you can see how much Prices are increased. (TABLE-1)
- Also, we opine that the Hydropower Project involves Complex Construction Techniques so rates can't be based only on MRS which is only for small scale project of building or roads.
- We have prepared the Comparison table of Structures of Mujahidin HPP 6.95 MW and Gorkin-Matiltan HPP 84 MW. From Comparison table, you can see that the structure is almost the same size of 84 MW that is why it involves huge quantity of concrete & steel resulting into increase higher price of the Project. (TABLE-2)

Contd.

- Also the size of Residential colony 11490 SQM is very huge as compared to the scale of the subject project.

MUJAHDIN HPP	6.95 MW	11490 SQM
GORKIN-MATILTAN HPP	84 MW	6280 SQM
KARORA HPP	11.80 MW	5200 SQM

Above table shows that Gorkin-Matiltan HPPP and Karora HPP are large project but they have residential colony size less than the Mujahidin HPP .This is one of the factor which is making the Bid Price higher than EPC Project of the same size.

Contd.

- We have prepared the comparison table of Mujahdin Hydropower Project with other projects like Gorkin-Matiltan Hydropower Project and Balakot Hydropower Project. (TABLE-3)

From comparison table of Gorkin-Matiltan Hydropower, we have calculated current rates by using the escalation on Basic Prices and you can see that GRC-SMS JV rates of Mujahidin Hydropower Projects are lower than current rates of Gorkin-Matiltan Hydropower Project.

From Comparison Table of Balakot Hydropower Project, we have calculated current rates by using the escalation on Basic Prices and you can see that GRC-SMS JV rates of Mujahidin Hydropower Projects are lower than current rates of Balakot Hydropower Project.

- We have prepared the Rate Analysis of some of Major Items based on our experience of hydropower projects and on market rates of materials, Labour & Equipment. (TABLE-4)

In view of the above , We state that GRC-SMS JV rates are viable and in accordance with Market Rates of EPC Hydropower Project.

TABLE-1 COMPARISON OF BASIC RATES

Sr. No.	Description	Statiscal Bulletin Rates		% Increase/Decrease
		SEP-22	NOV-24	
1	Cement	1,026.66	1,500.00	32%
2	Aggregate	5,774.36	7,110.42	19%
3	Sand	4,433.08	6,241.01	29%
4	Diesel	247.43	255.14	3%
5	Steel	216,500.00	235,998.59	8%
6	Skilled Labour	1,500.00	1,800.00	17%
7	Unskilled Labour	800.00	1,000.00	20%

TABLE-2 COMPARISON OF STRUCTURES

SR NO	ITEM DESCRIPTION	MUJAHIDIN HPP 6.95 MW				MATILTAN HPP 84 MW				Comparison Detail
		LENGTH (M)	WIDTH/DIA A (M)	HEIGHT (M)	AREA (SQM)	LENGTH (M)	WIDTH/DIA (M)	HEIGHT (M)	AREA (SQM)	
DAM/WEIR										
1	Dam/Weir Sizer	147.16 M	68.5 M			61 M				Mujahidin HPP is very small Project as compared to Matiltan HPP but the Structure is almost the same size as you can see in comparison stilling basin thickness is 2.0 meter same for both the Projects and also Spillway height is 20 meter for Mujahidin HPP and for Matiltan HPP it is only 5 meter
2	Stilling Basin Thickness/Bed Thickness			2.0 M				2.0 M		
3	Height of Spillway/Dam			20.0 M				5.0 M		
SURGE SHAFT										
1	SURGE SHAFT SIZE		7.4 M	27 M			5.5 M	106 M		
POWERHOUSE										
1	Power House Size	46 M	15.60 M			45.6 M	31.5 M			For 84 MW Matiltan HPP, per MW is 17.1 sqm for Powerhouse but the for Mujahidin HPP 88.3 SQM per MW, so the size of Powerhouse for 6.95 MW Project is very big and that is why the construction cost is high.
ACCESS ROAD										
1	TOTAL ACCESS ROADS	3748 M				5344 M				If we compare the length of access road per MW for both the Project, we find that 63 meter of access road per MW for Matiltan HPP and 496 meter of access road for Mujahidin HPP. In view of the above, Bid Price of the Project is high as compared.
RESIDENTIAL COLONY					11490				6280	For 84MW Colony size is only 6280 SQM but Mujahidin HPP has huge colony of 11490 SQM.

TABLE-3 COMPARISON OF MAJOR RATES WITH OTHER PEDO PROJECTS

1. MUJAHIDIN HPP VS GORKIN-MATILTAN HPP
2. MUJAHIDIN HPP VS BALAKOT HPP

1.COMPARISON OF MAJOR RATES WITH OTHER GORKIN-MATILTAN HPP

BoQ Item NO	Item Description	Unit	GRC SMS MUJAHIDIN	Matiltan HPP Project on Base Date	Matiltan HPP Project (Nov-24) After Escalation	%Above or Below	Remarks	
			Rate (Pkr)	Rate (Pkr)	Rate (Pkr)			
1	Concrete (10 Mpa)	cum	22,049.00	16,784.00	37,442.53	-70%		
2	Plum Concrete (15 Mpa)	cum	19,208.00	12,755.00	28,454.45	-48%		
3	Concrete (28 MPa)	cum	34,864.00	26,970	60,165.94	-73%		
4	Shotcrete	cum	47,987.00	23,444.00	52,299.98	-9%		
5	Steel Reinforcement, Grade-60	ton	370,444.00	191,247	426,642.78	-15%		
Major Construction Input								
	Data		Diesel	Cement	Sand	Labour	Steel	Crush
	Matiltan HPP Current Date (November 2024)		255.14	1500	6241.01	1000	235,998.59	7,110.42
	Matiltan HPP Contract Date (October 2016)		72.46	530	3100	600	60,000.00	2750
	% Increase (Inflation as per Monthly Statistical Bulletin of Pakistan)		252%	183%	101%	67%	293%	159%
	Average % Increase					176%		
	30% Overheads / General Costs (To be deducted)					53%		
	Net Increase in Overall BoQ Prices					123%		

2.COMPARISON OF MAJOR RATES WITH OTHER BALAKOT HPP

SR NO	Item Description	Unit	MUJAHIDIN HPP	Balakot HPP Project on Base Date	Balakot HPP Project Nov-24 After Escalation	%Above or Below	Remarks
			Rate (Pkr)	Rate (Pkr)	Rate (Pkr)		
	Concrete (10 Mpa)	cum	22,049.00	13,761.37	21,675.57	2%	
	Plum Concrete (15 Mpa)	cum	19,208.00	16,716.29	26,329.87	-37%	
	Concrete (28 MPa)	cum	34,864.00	28,470.97	44,844.70	-29%	
	Shotcrete	cum	47,987.00	45385.12	71,486.22	-49%	
	Steel Reinforcement, Grade-60	ton	370,444.00	193,682.22	305,069.37	18%	
Major Construction Input							
	Data	Diesel	Cement	Sand	Labour	Steel	Crush
	Balakot HPP Current Date (November 2024)	255.1	1500	6241.01	1000	235,998.59	7110.42
	Balakot HPP Contract Date (March 2021)	116.1	620	4000	900	126,665.73	4000
	% Increase (Inflation as per Monthly Statistical Bulletin of Pakistan)	120%	142%	56%	11%	86%	78%
	Average % Increase	82%					
	30% Overheads / General Costs (To be deducted)	25%					
	Net Increase in Overall BoQ Prices	58%					

TABLE-4 RATE ANALYSIS OF MAJOR RATES

We have prepared the rate analysis of major items including;

- ❑ CONCRETE 1:4:8
- ❑ CONCRETE 1:2:4
- ❑ PLUM CONCRETE 1:3:6
- ❑ SHOTCRETE 35 MPA
- ❑ STEEL GRADE 60
- ❑ TUNNEL EXCAVATION TYPE-I

From these above, rate analysis, it is clear that GRC-SMS JV rates are appropriate in accordance with Market Rates as well as Modern Techniques for Construction of Hydropower Project.

CONCRETE 1:4:8 RATE ANALYSIS

SR. NO	DESCRIPTION	UNIT	QTY	RATE	Cum	REMARKS
					AMOUNT	
DIRECT COST						
A	Material				12,532	
	Cement	Kg	200.000	30.20	6,040	
	Sand	Cft	18.650	120.00	2,238	
	Aggregate/Crush	Cft	24.100	95.00	2,290	
	Plasticizer	Lit	2.880	300.00	864	
	Curing Compound	Lit	1.510	300.00	453	
	Water	Lit	44.600	0.80	36	
	Ice	Kg	19.114	0.80	15	
	Wastage	%	5%	11,935.47	597	
B	Equipment				2,341	
	Batchng Plant (@ 20m3/hr)	Hrs.	0.050	3,846.15	192	
	Diesel (@ 32 Lit/Hr)	Ltr.	1.600	251.00	402	
	Loader (@20m3/hr)	Hrs.	0.050	2,019.23	101	
	Diesel (@ 16 Lit/Hr.)	Ltr.	0.800	251.00	201	
	Concrete Pump (@ 30m3/hr)	Hrs.	0.033	2,884.62	96	
	Diesel (@ 20 Lit/Hr.)	Ltr.	0.667	251.00	167	
	Transit Mixer (@ 3m3/hr)	Hrs.	0.333	1,538.46	513	
	Diesel (@ 8 Lit/Hr)	Ltr.	2.667	251.00	669	
C	Labour				2,088	
	Manhours (Placing)	Hours	6.000	250.00	1,500	
	Manhours (Mixing & Supply)	Hours	2.350	250.00	588	
	Basic Rate			Rate/ (A+B+C)	16,961	
	Overheads, Profit & Taxes	%	30%	16,961	5,088.32	
	BOQ RATE				22,050	

CONCRETE 1:2:4 RATE ANALYSIS

SR. NO	DESCRIPTION	UNIT	QTY	RATE	Cum	REMARKS
					AMOUNT	
DIRECT COST						
A	Material				14,644	
	Cement	Kg	256.000	30.20	7,731	
	Sand	Cft	18.430	120.00	2,212	
	Aggregate/Crush	Cft	24.100	95.00	2,290	
	Plasticizer	Lit	3.500	300.00	1,050	
	Curing Compound	Lit	1.510	300.00	453	
	Water	Lit	44.600	0.80	36	
	Ice	Kg	19.114	0.80	15	
	Formwork/Shuttering	LS	0.20	800.00	160	
	Wastage	%	5%	13,946.27	697	
B	Equipment				2,225	
	Batchng Plant (@ 20m3/hr)	Hrs.	0.050	3,846.15	192	
	Diesel (@ 32 Lit/Hr)	Ltr.	1.600	251.00	402	
	Loader (@20m3/hr)	Hrs.	0.050	2,019.23	101	
	Diesel (@ 16 Lit/Hr.)	Ltr.	0.800	251.00	201	
	Concrete Pump (@ 30m3/hr)	Hrs.	0.025	2,884.62	72	
	Diesel (@ 20 Lit/Hr.)	Ltr.	0.300	251.00	75	
	Transit Mixer (@ 3m3/hr)	Hrs.	0.333	1,538.46	513	
	Diesel (@ 8 Lit/Hr)	Ltr.	2.667	251.00	669	
C	Labour				2,366	
	Manhours (Placing)	Hours	3.000	250.00	750	
	Manhours (Shuttering)	Hours	4.250	250.00	1,063	
	Manhours (Mixing & Supply)	Hours	2.214	250.00	554	
	Basic Rate			Rate/ (A+B+C)	19,235	
	Overheads, Profit & Taxes	%	30%	19,235	5,770.45	
	BOQ RATE				25,010	

PLUM CONCRETE (1:3:6) RATE ANALYSIS

SR. NO	DESCRIPTION	UNIT	QTY	RATE	Cum	REMARKS
					AMOUNT	
DIRECT COST						
A	Material				10,503	
	Cement	Kg	179.200	30.20	5,412	
	Sand	Cft	12.901	120.00	1,548	
	Aggregate/Crush	Cft	16.870	95.00	1,603	
	Plasticizer	Lit	2.450	300.00	735	
	Curing Compound	Lit	1.057	300.00	317	
	Water	Lit	31.220	0.80	25	
	Ice	Kg	13.380	0.80	11	
	Stone	Cft	11.656	16.50	192	
	Formwork/Shuttering	LS	0.20	800.00	160	
	Wastage	%	5%	10,002.71	500	
B	Equipment				2,225	
	Batchng Plant (@ 20m3/hr)	Hrs.	0.050	3,846.15	192	
	Diesel (@ 32 Lit/Hr)	Ltr.	1.600	251.00	402	
	Loader (@20m3/hr)	Hrs.	0.050	2,019.23	101	
	Diesel (@ 16 Lit/Hr.)	Ltr.	0.800	251.00	201	
	Concrete Pump (@ 30m3/hr)	Hrs.	0.025	2,884.62	72	
	Diesel (@ 20 Lit/Hr.)	Ltr.	0.300	251.00	75	
	Transit Mixer (@ 3m3/hr)	Hrs.	0.333	1,538.46	513	
	Diesel (@ 8 Lit/Hr)	Ltr.	2.667	251.00	669	
C	Labour				2,048	
	Manhours (Placing)	Hours	4.000	250.00	1,000	
	Manhours (Shuttering)	Hours	2.000	250.00	500	
	Manhours (Mixing & Supply)	Hours	2.190	250.00	548	
	Basic Rate			Rate/ (A+B+C)	14,776	
	Overheads, Profit & Tax	%	30%	14,776	4,432	
	BOQ RATE				19,210	

CONCRETE (28MPA) RATE ANALYSIS

SR. NO	DESCRIPTION	UNIT	QTY	RATE	CUM	REMARKS
					AMOUNT	
DIRECT COST						
A	Material				20,036	
	Cement	Kg	410.00	30.20	12,382	
	Sand	Cft	17.02	120.00	2,042	
	Aggregate/Crush	Cft	21.57	95.00	2,049	
	Plasticizer	Lit	4.35	300.00	1,305	
	Curing Compound	Lit	1.51	300.00	453	
	Water	Lit	44.60	0.80	36	
	Ice	Kg	19.11	0.80	15	
	Formwork/Shuttering	LS	1.00	800.00	800	
	Wastage	%	5%	19,081.59	954	
B	Equipment				2,225	
	Batchng Plant (@ 20m3/hr)	Hrs.	0.050	3,846.15	192	
	Diesel (@ 32 Lit/Hr)	Ltr.	1.600	251.00	402	
	Loader (@20m3/hr)	Hrs.	0.050	2,019.23	101	
	Diesel (@ 16 Lit/Hr.)	Ltr.	0.800	251.00	201	
	Concrete Pump (@ 30m3/hr)	Hrs.	0.025	2,884.62	72	
	Diesel (@ 20 Lit/Hr.)	Ltr.	0.300	251.00	75	
	Transit Mixer (@ 3m3/hr)	Hrs.	0.333	1,538.46	513	
	Diesel (@ 8 Lit/Hr)	Ltr.	2.667	251.00	669	
C	Labour				4,558	
	Manhours (Placing)	Hours	6.000	250.00	1,500	
	Manhours (Shuttering)	Hours	10.000	250.00	2,500	
	Manhours (Mixing & Supply)	Hours	2.23	250.00	558	
	Basic Rate			Rate/ (A+B+C)	26,819	
	Overheads, Profit & Tax	%	30%	26,819	8,045	
	Boq Rate				34,870	

SHOTCETE (35MPA) RATE ANALYSIS

SR. NO	DESCRIPTION	UNIT	QTY	RATE	CUM	REMARKS
					AMOUNT	
DIRECT COST						
A	Material				28,863	
	Cement	Kg	490.00	30.20	14,798	
	Sand	Cft	24.09	120.00	2,891	
	Aggregate/Crush	Cft	11.99	95.00	1,139	
	Plasticizer	Lit	6.49	300.00	1,946	
	Curing Compound	Lit	1.51	300.00	453	
	Water	Lit	192.70	0.80	154	
	Ice	Kg	-	0.80	-	
	Wastage	%	35%	21,380.34	7,483	
B	Equipment				4,703	
	Batchng Plant (@ 15m3/hr)	Hrs.	0.067	3,846.15	256	
	Diesel (@ 32 Lit/Hr)	Ltr.	2.133	251.00	535	
	Loader (@ 20m3/hr)	Hrs.	0.050	2,404.00	120	
	Diesel (@ 18 Lit/Hr.)	Ltr.	0.900	251.00	226	
	Shotcrete Pump @ 5m3/hr	Hrs.	0.200	2,403.85	481	
	Diesel (@ 8 Lit/Hr.)	Ltr.	1.600	251.00	402	
	Transit Mixer (@ 3m3/hr)	Hrs.	0.333	1,538.46	513	
	Diesel (@ 8 Lit/Hr)	Ltr.	2.667	251.00	669	
	Misc	Ls		-	1,500	
C	Labour				3,347	
	Manhours (Placing)	Hours	7.887	250.00	1,972	
	Manhours (Mixing & Supply)	Hours	5.500	250.00	1,375	
	Basic Rate		Rate/ (A+B+C)		36,913	
	Overheads,Profit & Tax	%	30%	36,913	11,073	
	BOQ RATE				47,990	

REINFORCEMENT (GRADE 60) RATE ANALYSIS

SR. NO	DESCRIPTION	UNIT	QTY	RATE	Ton	REMARKS
					AMOUNT	
DIRECT COST						
A	Material				258,510	
	Steel Grade 60	ton	1.000	243,000.00	243,000	
	Binding Wire	Kg	10.000	320.00	3,200	
	Wastage+Chairs	%	5%	246,200.00	12,310	
B	Equipment				7,486	
	Steel Cutting Machines Rental Charges	ton	1.00	1,000.00	1,000	
	Storage @ 0.2%	ton	1.00	486.00	486	
	Material Testing	ton	1.00	1,000.00	1,000	
	Transportation	LS	1.00	-	5,000	
C	Labour				18,961	
	Manhours (Cutting, Bending & Fixing)	Hours	65.500	250.00	16,375	
	Manhours (Loading & Unloading)	Hours	10.343	250.00	2,586	
	Basic Rate		Rate/ (A+B+C)		284,957	
	Overheads, Profit & Tax	%	30%	284,957	85,487	
	BOQ RATE				370,450	

TUNNEL EXCAVATION-TYPE I

SR. NO	DESCRIPTION	UNIT	QTY	RATE	Cum	REMARKS
					AMOUNT	
DIRECT COST						
A	Material				6,250	
	Blasting Material with Accessories	Kg	1.500	3,500.00	5,250	
	Dril Rods/Drill Bits	LS	1.0	1,000.00	1,000	
B	Equipment				4,342	
	Excavator (@ 20m3/hr)	Hrs.	0.050	1,682.69	84	
	Diesel (@ 20 Lit/Hr.)	Ltr.	1.000	251.00	251	
	Drill @ 10 holes per hr	Hrs.	0.167	3,846.15	641	
	Diesel (@ 12 Lit/Hr.)	Ltr.	2.000	251.00	502	
	Generators (300 KVA, 1 Standby)	Hrs.	0.100	1,442.31	144	
	Diesel (@ 18 Lit/Hr.)	Ltr.	1.800	251.00	452	
	Compressor (2 Nos.)	Hrs.	0.033	1,923.08	64	
	Diesel (@ 12 Lit/hr)	Ltr.	0.400	251.00	100	
	Loader (@ 10m3/hr)	Hrs.	0.100	2,019.23	202	
	Diesel (@ 16 Lit/hr)	Ltr.	1.600	251.00	402	
	Misc incld lighting & Ventilation	LS	-	1,500.00	1,500	
C	Labour				3,023	
	Manhours (Driller)	Hours	12.092	250.00	3,023	
	Basic Rate		Rate/ (A+B+C)		13,615	
	Overheads,Profit & Tax	%	30%	13,615	4,084.57	
	Boq Rate				17,700	

POTENTIAL RISKS

❑ QUANTITIES VARIATION:

We opine that Financial Bid is prepared on the conceptual design so there can be chances of variations in quantities during execution of the EPC Project.

❑ AREA DIFFICULTY:

The Mujahidin Hydropower Project area presents significant difficulties due to its mountainous terrain, steep slopes, and narrow access routes, which restrict the movement of heavy machinery and construction materials.

❑ SECURITY CONCERN

Project is Located in KPK Area of Torghar District which is highly sensitive security area and also sometimes Government imposed ban on movement of expatriates on projects sites due to security issues so there will be challenges to cater the risk of security issues.

Cont.

❑ GEOLOGICAL UNCERTAINTY

We are experienced Contractor of Hydropower Projects and faced lot of Geological uncertainty during the execution specially in Headrace/Power Tunnel.

❑ POST FLOOD CHALLENGES/DAMAGES/CONSEQUENCES

In 2025, Flood occurred due to sudden Cloud Burst near Bonair so in during execution of the Subject Project, there will be chances of Flood and GRC-SMS will face challenges to control the post Flood effects and for the protection of structures .

WAY FORWARD

In the best interest of the project , GRC-SMS JV is offering below suggestions and way forward to make the subject project viable;

- 1. We suggest to reduce the amount of Provisional Sum from 500 Million to PKR 200 Million rupees.***
- 2. We also suggest to separate the activities of Transmission Line which will also reduce up to 883.766 Million Rupees.***
- 3. We also suggest to reduce the size of Colony upto 35% as it is huge as compared to the capacity of the Project and it will save the cost up to 301.971 Million Rupees***
- 4. In the best interest of the Project, we also want to offer rebate of 2% on Bid Price amounting 161.922 Million Rupees.***

So the impact of the above suggestions will almost reduce the cost of the subject Project up to 1647.65 Million PKR

SUMMARY

A	ORIGINAL BID PRICE	9,722.984 M PKR
B	PROVISONAL SUM REDUCTION	300 M PKR
C	DELETE TRANSMISSION LINE ITEMS	883.766 M PKR
D	REDUCE 35% SIZE OF COLONY	301.971 M PKR
E	REBATE OF 2%	161.922 M PKR
	<i>UPDATED BID PRICE (A-B-C-D)</i>	<i>8,075.325 M PKR</i>

THANK YOU

GRC-SMS JV



Annexure-F

Comparison of Evaluated Bid Price to the Engineer's Estimate

**Comparison of Evaluated Bid Price to the Engineer Estimate
(The abnormally high /low prices are highlighted)**

Sr. No.	Description	Qty./ No.s	Engineer's Estimate	Evaluated Bid Price	Evaluated Bid Price above (+) or below (-) from Engineer's Estimate	
			Amount (Rs)	Amount (Rs)	Amount (Rs)	(%)
Schedule No. 1 - Plant and Equipment Supplied from Abroad						
1.1	Francis Turbine & Auxiliaries complete in all respects including cooling system etc.,	4	148,367,193	285,054,836	136,687,642	92.13
1.2	Generators & Auxiliaries complete in all respects.	2 sets	389,083,968	294,269,151	(94,814,817)	-24.37
1.3	Governing system, complete in all respects.	2 sets	6,859,092	19,110,201	12,251,109	178.61
1.4	Butterfly Inlet Valves and Auxiliaries.	2 sets	20,392,679	58,992,319	38,599,640	189.28
1.5	Powerhouse Overhead Cranes & Auxiliaries equipment.	2 sets	84,030,391	91,482,387	7,451,997	8.87
1.6	Mobile Crane.	1 set	Included above			
1.7	Draft Tube, Gates and Auxiliaries complete in all respects.	1 set	8,676,736	16,290,653	7,613,917	87.75
1.8	SCADA System complete in all respects.	Job	124,828,241	7,270,179	(117,558,062)	-94.18
1.9	Telecommunication system complete in all respects.	Job	48,845,979	46,390,667	(2,455,312)	-5.03
1.10	Penstocks and all associated items etc.	Job	35,836,687	47,477,815	11,641,127	32.48
1.11	Radial gates with hoisting system complete in all respect.	Job	120,231,555	225,754,503	105,522,948	87.77
1.12	All other gates including hoisting system complete in all respect.	Job	50,103,156	56,836,805	6,733,649	13.44

Sr. No.	Description	Qty./ No.s	Engineer's Estimate	Evaluated Bid Price	Evaluated Bid Price above (+) or below (-) from Engineer's Estimate	
			Amount (Rs)	Amount (Rs)	Amount (Rs)	(%)
1.13	Trash Racks along with Rail mounted "grab and bucket" trash rack Cleaning Machine (TRCM) complete in all respect.	Job	29,113,655	54,665,803	25,552,149	87.77
1.14	Medium Voltage (11KV) Busbar / switchgears along with auxiliary equipment's	Job	234,361,607	139,345,097	(95,016,511)	-40.54
1.15	11KV transmission & 0.4KV distribution system complete in all respect (including Civil Works and other auxiliary equipment).	Job	695,631,060	700,233,114	4,602,054	0.66
1.16	Station Service (200kVA), Distribution T/F for Colony (3x200kVA), Weir Site T/F (50kVA) along with Distribution Transformers Complete in all respect as per Employer's Requirement.		Included above			
	i. 100 KVA	30				
	ii. 50 KVA	25				
	iii. 25 KVA	25				
	Taxes and duties		74,137,675.82	90,234,751	16,097,076	21.71
Total Schedule No. 1 (Plant and Equipment Supplied from Abroad)			2,070,499,674	2,133,408,281	62,908,607	3.04
Schedule No. 2 - Plant and Equipment Supplied from within Pakistan						

Sr. No.	Description	Qty./ No.s	Engineer's Estimate	Evaluated Bid Price	Evaluated Bid Price above (+) or below (-) from Engineer's Estimate	
			Amount (Rs)	Amount (Rs)	Amount (Rs)	(%)
1.1 to 1.15	All items and description of Schedule 2 are repeating & similar to Schedule-1. No item is proposed from Pakistan; hence the price of this Schedule is Nil (0).		0	0	0	0
Total Schedule No. 2 (Plant and Equipment Supplied from Abroad)			-	-	-	-
Schedule No. 3 - Design Services, Installation and other Services						
3.1	Design of Civil Works	L.S.	213,289,540	212,862,551		
3.2	Physical Model Testing for Confirmation of Hydraulic Designs and associated costs.	Not Used				
3.3	Design of E&M and, Transmission line, Substations and Hydro-mechanical steel works	L.S.		41,670,000		
3.4	Erection sequence Drawings for E&M and H/M steel Works	L.S.		41,670,000		
3.5	Supervision of Works (Civil, E&M & H&M) and installation to ensure the implementation of approved design and specifications at site.	L.S.		13,890,000		
3.6	Construction and As built Drawings along with project completion report.	L.S.		6,945,000		
3.7	Erection/Installation of E&M Plant and equipment, complete in all respect for the Operational Acceptance and to the satisfaction of the Engineer.	L.S.		111,120,000		
3.8	Testing and Commissioning on completion.	L.S.		27,780,000		
Total Schedule No. 3 (Design Services, Installation and other Services)			213,289,540	455,937,551	242,648,011	113.76
Schedule No. 4 – Civil Works, Installation and other Services						

Sr. No.	Description	Qty./ No.s	Engineer's Estimate	Evaluated Bid Price	Evaluated Bid Price above (+) or below (-) from Engineer's Estimate	
			Amount (Rs)	Amount (Rs)	Amount (Rs)	(%)
4.1.1	Temporary Works including River Diversion and care of water etc.	Job	136,315,980	224,000,000	87,684,020	64.32
4.1.2	Residential and Office Buildings of the Employer's colony including all associated works.	Job	474,984,900	843,169,850	368,184,950	77.52
4.1.3	Access Roads.	Job	160,000,000	524,720,000	364,720,000	227.95
4.1.4	Bridge.	Job	74,171,012	127,016,657	52,845,644	71.25
4.1.5	Main Weir/Dam and associated works.	Job	1,897,281,099	2,573,589,976	676,308,877	35.65
4.1.6	Intake Structure and associated works.	Job	185,295,118	235,958,168	50,663,050	27.34
4.1.7	Cut and Cover Conduit and associated works.	Job	235,012,418	363,961,858	128,949,441	54.87
4.1.8	Headrace Tunnel, including all RSW, Concrete Lining etc.	Job	693,535,565	528,588,499	(164,947,066)	-23.78
4.1.9	Surge Tank, including RSW, Concrete Lining and associated works.	Job	95,386,144	202,854,656	107,468,512	112.67
4.1.10	Penstocks (Civil Works)	Job	31,289,231	37,209,700	5,920,469	18.92
4.1.11	Power House and associated works including drainage system of rain water.	Job	371,830,854	370,423,305	(1,407,549)	-0.38
4.1.12	Tailrace, including retaining wall and other river protection works etc.	Job	119,169,038	207,328,512	88,159,473	
4.2	Miscellaneous items					
4.2.1	Provision of field camps, offices and operating facilities for Consultant and Employer	Job	Included above	200,000,000	200,000,000	
4.2.2	Transport for the Engineer/ Employer staff	Job	Included above	105,000,000	105,000,000	

Sr. No.	Description	Qty./ No.s	Engineer's Estimate	Evaluated Bid Price	Evaluated Bid Price above (+) or below (-) from Engineer's Estimate	
			Amount (Rs)	Amount (Rs)	Amount (Rs)	(%)
Total Schedule No. 4 (Civil Works, Installation and other Services)			4,474,271,359	6,543,821,180	2,069,549,821	46.25
Schedule No. 5 - Mandatory Spare Parts and Tools						
Several	Several	Several	174,672,270	89,817,368	(84,854,902)	-48.58
Total Schedule No. 5 (Mandatory Spare Parts and Tools)			174,672,270	89,817,368	(84,854,902)	-48.58
Grand Total Schedule-1 to 5 (Excluding Provisional Sum)			6,932,732,801	9,222,984,380	2,290,251,579	33.04
Add Provisional Sum			500,000,000	500,000,000	0	0
Grand Total Schedule-1 to 5 (Including Provisional Sum)			6,432,732,801	9,722,984,380	2,290,251,579	30.81

Annexure-G
Validation of the Engineer's Estimate and Market
Analysis



PAKHTUNKHWA ENERGY DEVELOPMENT ORGANIZATION

ENERGY & POWER DEPARTMENT, GOVERNMENT OF KHYBER PAKHTUNKHWA, PAKISTAN

EPC/ TURNKEY BIDDING DOCUMENT FOR ENGINEERING, PROCUREMENT AND CONSTRUCTION OF 6.95 MW MUJAHIDIN HYDROPOWER PROJECT, AT BARANDOO RIVER, DISTRICT TORGHAR



Validation of the Engineer Estimate and Market Analysis

Contract No. 170368

December, 2025



Associated Consulting Engineers – ACE Limited (Lead Firm)
1-C/2, M.M. Alam Road, Gulberg-III, Lahore – Pakistan. Tel: +92 42 35759417-19



National Engineering Services Pakistan
1-C, Block-N, Model Town Extension, Lahore 54700, Pakistan



AGES Consultants
House # 57-E, Canal Road, University Town, Peshawar, Khyber Pakhtunkhwa, Pakistan. Phone: + 92 91 5853837



BAK Consulting Engineers
House# A73-E, Abdara Road University Town, Peshawar.
Tel: 0092-091-5853670/5853674/5703862 Fax:0092-091-5840807

TABLE OF CONTENTS

1.1	Background	1
1.2	Basis for the Engineer Estimate	2
1.3	Breakdown of the Engineer Estimate	4
1.3.1	Schedule 1 – Plant and Equipment Supplied from Abroad	4
1.3.2	Schedule 2 – Plant and Equipment Supplied from within Pakistan	5
1.3.3	Schedule 3 – Design Services, and Other Services	5
1.3.4	Schedule 4 – Civil Works, Insulation and Other Services	5
1.3.5	Schedule 5 – Mandatory Spare Parts and Tools	7
1.3.6	Schedule 6 – Grand Summary	7
1.4	Updation of the Engineer Estimate	8
1.5	Revalidation of the Engineer Estimate Based on Latest Available MRS	9
1.6	Market Analysis Report	10
1.6.1	M & E Works	10
1.6.2	Civil Works	12

Annexures

- Annexure A. Item wise Breakup of Engineer's Estimate
- Annexure B. Rates Analysis for underground excavations Type-I, II, III, IV and V,
shotcrete, rock bolts and wire mesh

1.1 Background

Mujahidin Hydropower Project at Barandoo River was envisaged by Pakhtunkhwa Energy Development Organization (PEDO) as a run of the river scheme. The project layout as envisaged by PEDO was a 15 m high weir near Bak yana Village for peaking operation, a 4 km long contour channel along right bank of the river and powerhouse located at confluence of Barandoo River with Chamla Khwar.

Barandoo River, a right tributary of the Indus River, is joining Tarbela Reservoir for a length of nearly six km a bit downstream of Dadam Village.

The PC-1 of the project was based on MRS 2015 with 1 USD = 105 PKR and approved at a cost of **Rs. 4,195.66** Million.

The Revised PC-1 is based on MRS 2024 with USD = 278.03 PKR (on July 15, 2024) which has been submitted to the PEDO for approval at a cost of **Rs. 9,802.59** million. The revised PC-1 has been prepared incorporating the following major changes:

- a. The Length of access roads and bridges has been increased.
- b. The height of the weir has been increased to achieve required generation and to attain the corresponding head.
- c. The some additional land / tress cutting are considered etc. due to reservoir.
- d. The length of the conduit channel has been decreased.
- e. The sedimentation basin is deleted based on negligible suspended sediments.
- f. The length of power tunnel has been increased whereas the length of the penstock, surge shaft, elbow has been decreased.
- g. The powerhouse area is increased. The additional protection works have also considered at the powerhouse site.

During the preparation of the Bidding Documents, the relevant scope of work was included in the Price Schedules and made part of the EPC Bidding Documents. The Engineer's Estimate pertaining to EPC Bidding document is **Rs. 7,432.73** million as shown in **Table-1** below.

On November 04, 2025, the price bid submitted by single bidder was opened. In the Draft Price Bid Evaluation Report (P-BER) prepared by the Management Consultants (MC), the comparison shows that the Evaluated Bid of PKR 9,722.98 million (Including Provisional Sum) submitted by single Bidder is about 30.81% above from the Engineer Estimate of PKR 7,432.73 million. The Procurement Committee thoroughly reviewed the draft P-BER during its 15th meeting held on December 15, 2025 and advised the following actions:

- The MC shall revalidate the Project Engineer Estimate based on latest available MRS.
- The MC shall carry out a Market Analysis Report as preparatory exercise to support the forthcoming price negotiations with the sole bidder.

In light of above requirements, this document has been prepared in order to fulfil the requirement of the Procurement Committee.

Table 1 – Brief Summary of approved PC-1, Revised PC-1 & Engineer’s Estimate

Sr. No.	DESCRIPTION	Approved PC-1	Revised PC-1	Engineer's Estimate
		Million Pak Rs.	Million Pak Rs.	Million Pak Rs.
1	Direct Cost			
	General and Preliminary works	314.74	709.16	709.16
	Environmental and Resettlement cost	60.50	464.35	
	Civil Works	1598.65	3,800.95	3,800.95
	Permanent Equipment			
	Hydro-mechanical	604.15	501.88	501.88
	Electro-mechanical	Included above	937.69	937.69
	Transmission Line	555.08	695.63	695.63
2	Sub Total (1)	3,133.14	7,109.65	6,645.31
3	Engineering Design by EPC Contractor @ 3 %	0.00	213.29	213.29
4	Sub Total (1+3)	3133.14	7,322.94	6,858.60
5	Indirect Cost			
a	Engineering and Project Management Cost	187.99	396.91	
b	PMU Cost	103.69	229.48	
c	Security of Foreigners/Expatriates @ 1% of (Item 4)	-	73.23	
d	Duties and Taxes 5% (Foreign)	30.21	74.14	74.14
e	Infrastructure Development cess @ 2% (Notification)	-	28.79	
f	CSR or CBM @ 0.5 %	-	36.61	
g	Physical Contingencies 3% of (Item 4)	38.27	219.69	
6	Sub Total	3,493.30	8,381.79	6,932.73
	(KPRA @ 2%)	-	167.64	
7	Total Base Cost of the Project	3,493.30	8,549.43	6,932.73
	PEDO Head Office @ 1% (Item 7)	31.33	85.49	
	Price Adjustment Escalation	254.20	504.72	500.00
	Interest During Construction (IDC)	416.84	416.84	
8	Total Project Cost	4,195.66	9,556.48	7,432.73

1.2 Basis for the Engineer Estimate

With the help of basic design studies and supportive field investigations, to the extent possible, the Consultants completed the tender design of various project components including preparation of the related tender drawings.

The Consultants computed Detailed Bills of Quantities (BOQs) with the help of related tender drawings. By derivation of unit rates and prices corresponding to July 2024, the Consultants prepared “Project Cost Estimate” and submitted to PEDO which formed the basis for preparation

of Project Revised PC-I Proforma as well as lining up of the necessary funding for project implementation.

Subsequently, the Consultants prepared EPC / Turnkey Bidding Documents for the Single Contract for the detailed Engineering designing of all the components of the project including supply, construction, erection/installation, testing and commissioning of all Civil Structures and Electro-Mechanical Equipment of the Power Plant & Transmission Line, which consist of the following volumes:

- Volume 1 – Request for Bid (including Price Schedules)
- Volume 2 – Employer’s Requirements and Technical Specifications
- Volume 3 – Tender Level Drawings

In addition, the following supplementary information were also made part of the bidding documents and provided to the bidders:

- Tender Design Report, 2024,
- Power Evacuation Report, 2023,
- Feasibility Study Review Report, 2023, and
- Feasibility Study Report 2016

The price schedules included in Volume-1 as above was initiated based on the bill of quantities and costs provided in the Revised PC-I and then re-structured to adopt the format of Bidding Documents. Furthermore, the following major changes were incorporated:

- Detailed bill of quantities given in the Revised PC-1 were replaced with lump sum items.
- Related costs for duties / taxes already estimated in Revised PC-1 were included in the Price Schedules.
- Related costs for the Project office, physical contingencies, Engineering and Supervision, Authority overheads and Interest during construction (IDC) already estimated in the Revised PC-1 were not included.
- Related cost for Environment and Resettlement not included in Engineer Estimate.
- The following two additional works / items were also included in the price schedules which are not available in the revised PC-1:
 1. Provision of field camps, offices and operating facilities for Consultant and Employer.
 2. Transport for the Engineer/ Employer staff.

On September 17, 2024, the Employer advertised open Invitation for Bids (IB) to eligible firms or joint ventures (JVs) of firms to submit sealed bids under Single-Stage Two Envelope Bidding Procedure in accordance with the relevant provisions of PEC bye-laws.

During the course of the bid submission period, some of the bidders requested clarification(s) in respect of the Bidding Documents under Sub Clause 7.1 of Instruction to Bidders within the time frame specified in Section-II of Bidding Data. Response(s) were forwarded to all purchasers of

the Bidding Documents by the Employer. Resultantly, two (02) addenda were issued to formally account for certain aspects of Bidding Documents pursuant to Sub Clause 8.1 of Instruction to Bidders.

This Engineer's Estimate for Mujahidin Hydropower Project is based on scope of work covered in price schedules of Volume 1 of Bidding Documents & Addenda No. 1 to 2 as above.

1.3 Breakdown of the Engineer Estimate

The Engineer Estimate is mainly breakdown as following:

- Schedule No. 1 - Plant and Equipment Supplied from Abroad
- Schedule No. 2 - Plant and Equipment Supplied from within Pakistan
- Schedule No. 3 - Design Services, Installation and Other Services
- Schedule No. 4 - Civil Works, Installation and Other Services
- Schedule No. 5 – Mandatory Spare Parts and Tools
- Schedule No. 6 - Grand Summary

The items details of each schedule are provided at **Annexure-A**. Below are given the summary of each schedule:

1.3.1 Schedule 1 – Plant and Equipment Supplied from Abroad

This schedule 1 pertains to the supply of plant and equipment from abroad for the electromechanical works which includes turbines, generators, gates, valves, steel pipes, switch gear equipment and transmission lines etc.

The specified scope of work include manufacturing, factory acceptance testing, packing for transportation, supply, insurance, transportation to the Mujahidin hydropower project site, storage at site erection, site testing, commissioning guarantees, and making good of all defects of all Hydro-Mechanical equipment complete with all accessories covered under the contract.

Comparative analysis for the similar ongoing Hydropower projects in KP were made to estimate competitive rates for Electrical and Mechanical equipment's of International manufacturers and considered for preparation of estimates of the said equipment. The summary of the costs is provided below:

Sr. No.	Description	Engineer Estimate (USD)	Taxes and Duties (Rs)
1	Electrical Equipment	2,867,028.00	74,137,676
2	Mechanical Equipment	933,889.71	
3	Gates	748,570.66	
4	Transmission Line	2,502,000	
5	Penstock	128,895.04	
Total		7,180,383.41	74,137,676

1.3.2 Schedule 2 – Plant and Equipment Supplied from within Pakistan

The Schedule-2 is similar to Schedule-1 which repeats all items of the plant and equipment as given in Schedule-1. No plant and equipment is considered to be supplied from within Pakistan.

1.3.3 Schedule 3 – Design Services, and Other Services

This schedule includes design services and other services to be supplied by the EPC contractor related to the design of Civil and Electro-Mechanical Works. A total cost of USD 115,332 and PKR 170,102,544 has been considered for this schedule @ 3% of civil works & E & M works.

1.3.4 Schedule 4 – Civil Works, Insulation and Other Services

Civil component of the project includes cost of all structures including weir, intake, power tunnel, surge shaft, penstock, powerhouse, colony, access roads and bridges. The cost covers quantities of structures including excavations, supports, backfill, concrete reinforcement, stone masonry works and steel works, which are calculated with help of Tender Drawings consisting of plans and sections using AutoCAD software in particular. Table below gives summary of quantities for excavations, concrete, earthwork and reinforcements involved with civil works:

Estimated Quantities for Major Classes of Civil Works

Major Work Item	Unit	Qty
Surface Excavation	Cu.m	303,177
Underground Excavation	Cu.m	18,800
Concrete Works	Cu.m	77,879
Concrete Lining	Cu.m	610
Steel Reinforcement	Tonne	3,123
Shotcrete (35 MPA)	Cu.m	1,375
Stone Work	Cu.m	798

The unit rates for various works are estimated as follows:

- The unit rates for major civil works (surface excavations, concrete, steel reinforcement, backfilling, stone etc.) pertaining to the construction of river diversion works (upstream and downstream cofferdams with sheet piles), bridge, weir, intake, connecting channel, power tunnel, surge shaft and power house are mainly adopted from approved MRS-2024 1st biannual of Khyber Pakhtunkhwa issued vide notification No. MRS/FD/4-2/Notification/2024 Dated Peshawar, the 09/08/2024 with area factor of 1.14 (Torghar).
- The rates for other than those given in MRS-2024 are treated as Non MRS Items.
- For Non MRS items (Underground excavations Type-I, II, III, IV and V, rock bolts, wire mesh and shotcrete), the rates were prepared by Rate Analysis established using the prevailing Market rates (July-2024) for labor, machinery and materials.

- For Non MRS items (colony & access roads), lump sum rates were taken from major projects under development and escalated to utilize for this Project.

Based on above approach, a total cost of PKR 4,474,271,359 is estimated for Schedule-4. The Table below gives breakup of costs of Schedule-4 with respect to adopted unit rates.

Table 3 - Schedule-4 Cost Breakup with respect to Adopted Unit Rates

Description	MRS KP Biannual 2024	Detailed Unit Rate Analysis	Lump Sum / Market Rates	Total	Remarks
1	2	3	4	5 = 1+2+3+4	
Temporary Works including River Diversion and care of water etc.					
Diversion Works	116,315,980			116,315,980	The rates of MRS 2024 have been used.
Care of Water			20,000,000	20,000,000	Lump sum price is derived based on past experience on similar projects
Residential and Office Buildings of the Employer's colony including all associated works.					
Colony Works			474,984,900	474,984,900	Building Rate 4500/Sft (Total area = 100,552 Sft) Road / Street Rs. 50,000/RM (Length = 350 m) Boundary Wall Rs 2000/Rft (Length = 2500 Ft)
Access roads to weir, surge area and powerhouse			160,000,000	160,000,000	Road Rs. 80 million/Km (Length = 2 Km)
Bridge	74,171,012			74,171,012	The rates of MRS 2024 have been used.
Weir & Intake	2,189,108,863	12,636,393		2,201,745,256	The rates of MRS 2024 have been mainly used.
Conduit Channel	235,012,418			235,012,418	The rates of MRS 2024 have been used.
Power Tunnel	164,782,877	495,727,185	33,025,503	693,535,565	The rates derived from detailed rate analysis have been mainly used.
Surge Shaft	45,360,750	45,047,325	4,978,069	95,386,144	
Penstock (Civil Works)	31,289,231			31,289,231	The rates of MRS 2024 have been used.
Powerhouse	321,701,737	17,190,685	32,938,432	371,830,854	The rates of MRS 2024 have been mainly used.
Total	3,177,742,867	570,601,588	725,926,904	4,474,271,359	
%age	71.02	12.75	16.22	100.00	

The table shows the following details:

- The costing of major civil works is mainly based on MRS-2024 which constitutes about 71.02% of Schedule-4.
- The costing for underground excavations, rock bolts, wire mesh and shotcrete works are based on Rate Analysis which constitute about 12.75% of Schedule-4.
- The care of water, colony, roads works, provision of field camps and transport facility (purchase of new vehicles) are based on lump sum / market prices which constitute about 16.22% of Schedule-4.

1.3.5 Schedule 5 – Mandatory Spare Parts and Tools

This schedule-5 pertains to the supply of mandatory spares and tools. An estimated cost of USD 628,249.72 has been considered for Schedule-5. The breakup is as below:

Description	Engineers Estimate (USD)
Spare Parts and tools for Mechanical Works	122,665.5
Spare Parts and tools for Mechanical Works	505,584.24
Total	628,249.72

1.3.6 Schedule 6 – Grand Summary

The Grand Summary of the Engineer Estimate is given below:

Schedule No. 6 – Grand Summary

Schedule No.	Title	Foreign Currency (USD)	Local Currency (PKR)
1	Plant and Equipment Supplied from Abroad	7,180,383	74,137,676
2	Plant and Equipment Supplied from within Pakistan	N.A	0
3	Design Services, Installation and other Services	155,332	170,102,544
4	Civil Works, Installation and other Services	N.A	4,474,271,359
5	Mandatory Spare Parts and Tools	628,250	0
SUB TOTAL- A		7,931,088	7,963,965
Exchange rate for foreign currency (USD) on 15-July-2024			278.0300
Sub Total-B (Foreign + Local) (PKR)			6,932,732,842
Total Provisional Sum (Fixed for every Bidder) (PKR)			500,000,000

GRAND TOTAL (Excluding Provision Sum but Including Daywork)	7,432,732,842
--	----------------------

1.4 Updation of the Engineer Estimate

The Engineer Estimate is based on Revised PC-1 cost corresponding to July 15, 2024 price level whereas the tender base date of the submitted price Bid is November 14, 2024 (28 days before Bid submission on December 12, 2024). It means there is time lag of about 123 days.

In order to facilitate the direct comparison of the Engineer Estimate with the price bid submitted by the single bidder, it has been updated to the price level prevailing on tender base date on November 14, 2024 (28 days before Bid submission on December 12, 2024). Following escalation factors have been used to update the Engineer Estimate:

- All the foreign cost items covered in Schedules-1 & 5 are escalated by a factor of 1.00674 (2.0% per annum). The provision for taxes and duties in local currency is kept the same.
- All the local cost items covered in Schedule-4 except those based on MRS-2024 rates are escalated by a factor of 1.0219 (6.5% per annum). The cost items based on MRS-2024 have been kept unchanged because those rates are found valid till the tender base date.
- The negligible increase in the cost of Schedule-3 is ignored.
- For Local & Foreign cost component the rate of 1 US\$ = Pak Rs. 278.03 on July 15, 2024 price level has been used in Revised PC-1 which has been changed to 1 US\$ = Pak Rs. 277.80 prevailing on tender base date on November 14, 2024.

The summary of cost as per the updated Engineer estimate is shown in Table-2 below:

Schedule No.	Title	Engineer Estimate Price Index July 15, 2024		Updated Engineer Estimate Price Index November 14, 2024	
		Foreign Currency (USD)	Local Currency (PKR)	Foreign Currency (USD)	Local Currency (PKR)
1	Plant and Equipment Supplied from Abroad	7,180,383	74,137,676	7,228,779	74,137,676
2	Plant and Equipment Supplied from within Pakistan	N.A	0	N.A	0
3	Design Services, Installation and other Services	155,332	170,102,544	155,332	170,102,544
4	Civil Works, Installation and other Services	N.A	4,474,271,359	N.A	4,502,665,333
5	Mandatory Spare Parts and Tools	628,250	0	632,484	0
SUB TOTAL- A		7,963,965	4,718,511,579	8,016,595	4,746,905,553
Exchange rate for foreign currency (USD)			278.0300		277.8000
Sub Total - B (Foreign + Local) (PKR)			6,932,732,842		6,973,915,770
PROVISIONAL SUM (Fixed for every Bidder) (PKR)			500,000,000		500,000,000
Grand Total (Including Provisional Sum & Daywork)			7,432,732,842		7,473,915,770
Net Increase					41,182,928

The table shows that updating the Price Index of the Engineer Estimate from July 15, 2024 to the tender base date on November 14, 2024 results in net increase of Rs. 41,182,928 in the Engineer Estimate.

1.5 Revalidation of the Engineer Estimate Based on Latest Available MRS

From preceding section, it is evident that the rates for major civil works are based on approved MRS-2024 1st biannual of Khyber Pakhtunkhwa issued vide notification No. MRS/FD/4-2/Notification/2024 Dated Peshawar, the 09/08/2024 with area factor of 1.14 (Torghar).

As per the details given in the above document, the MRS-2024 rates remained valid till the tender base date on November 14, 2025; hence, no need for any revision is foreseen.

However, as directed by the Procurement Committee, the latest MRS-2025 1st biannual of Khyber Pakhtunkhwa issued vides notification No. MRS/FD/4-2/Notification/2025 Dated Peshawar, the 07/10/2025 is downloaded from the website of Finance Department, Govt of Khyber Pakhtunkhwa and has been used for comparison purposes and identifying any increasing or decreasing trends in the MRS rates. The table below gives the variation in the unit rates for ecavation, concrete, steel reinforcement works:

Comparison of Unit Rates given in MRS-2024 and MRS-2025

Major Work Item	MRS Item No.	Unit	MRS-2024	MRS-2025	Difference (MRS 2025-MRS 2024)	
			Unit Rate	Unit Rate	(Rs.)	(%)
			(Rs.)	(Rs.)		
Excavation in shingle or gravel formation: Dry	03-11-a	Cu.m	320	355	35	11.00
Excavation in shingle or gravel formation: Wet	03-11-b	Cu.m	426	473	47	11.00
Excavation in hard rock -Grade III	3-14-c	Cu.m	744	744	-	0.00
Structural Backfill	3-67-c	Cu.m	592	621	28	4.76
PCC (1:4:8)	06-05-i	Cu.m	13,078	14,068	990	7.57
PCC (1:3:6)	06-05-h	Cu.m	14660	15,941	1,281	8.74
PCC (1:2:4)	06-05-f	Cu.m	17598	19,420	1,822	10.35
RCC (1:1:2)	06-07-d-01	Cu.m	27,053	30,306	3,253	12.02
RCC (1:2:4)	06-07-d-03	Cu.m	19,708	21,609	1,901	9.64
Steel Reinforcement (60 PSI)	06-08-b	Tonne	373,771	349,653	(24,118)	-6.45
PCC (1:3:6) with 50% boulders	6-44-a	Cu.m	9,690	10,487	797	8.22
GI wire gauze	12-62	Sq.m	3,708	3,276	(431)	-11.64
Stone Pitching Works	19-28-b	Cu.m	5,467	5,783	315	5.77
PVC Water Stopper	24-40	m	658.93	840.066	181	27.49

Notes: The unit rates given for Peshawar are multiplied with factor of 1.14 to get the unit rates for District Torghar.

The table shows the following observations:

- The unit rates for excavation works have been increased by about 11%.
- The unit rates for concrete works have been increased within range of 7.49 to 12%.
- The unit rates for steel reinforcement have been decreased by 6.45%.

In order to determine the cost impacts, the unit rates adopted in the Engineer estimate based on MRS-2024 were replaced with those given in MRS-2025 and the results shows an increase of PKR 105,792,347 in Engineer Estimate.

The above increase is noted for the total period from 09/08/2024 to 07/10/2025 (14.2 months) being issuance dates of the MRS-2024 and MRS-2025 respectively.

Assuming linear trends in the increases or decreases in the prices during the above 14.2 months, the net increase of Rs. 24,032,454 35 is estimated till the tender base date on November 14, 2024.

1.6 Market Analysis Report

As required by the Procurement Committee, a comprehensive market analyses has been carried out of each cost item included in the Engineer Estimate in order to assess any increasing or decreasing trends in the prices of the construction input items and fuel prices.

1.6.1 M & E Works

The prices of M & E plant and equipment given in Schedule-1 and spare parts and tools given in Schedule-5 correspond to July 15, 2024 price level are based on comparative analysis for similar ongoing projects. Based on thorough review of the current market prices, it has been established that the prices considered in the Engineer Estimate are still valid and applicable.

Figure below gives the historic PPI industry data for turbines and turbine generator set units available on website site of US Bureau of Labor Statistics (Source: <https://data.bls.gov/dataViewer/view/timeseries/PCU333611333611>).

From the below figure, the following indices values are retrieved:

- PPI Index value for Jul-2024 = 267.55
- PPI Index value for Nov- 2024 = 269.26
- PPI Index value for Jun-2025 = 275.66
- Net Increase in Index value in 4 months (Jul-2024 to Nov 2024)= 0.64%
- Net Increase in Index value in 12 months (Jul-2024 to Jun-2025) = 3.03%

The above index data shows that the prices of turbines & generators (TG set) have been increased by 0.64% in four months (Jul-2024 to Nov-2024) & 3.03% in last year (Jul-2024 to Jun-2025).

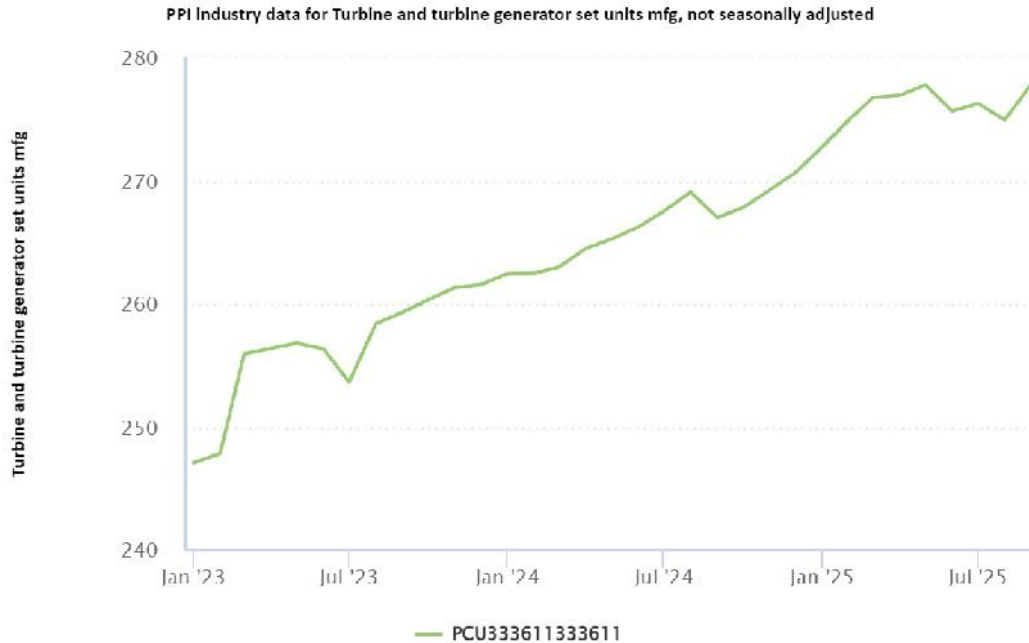
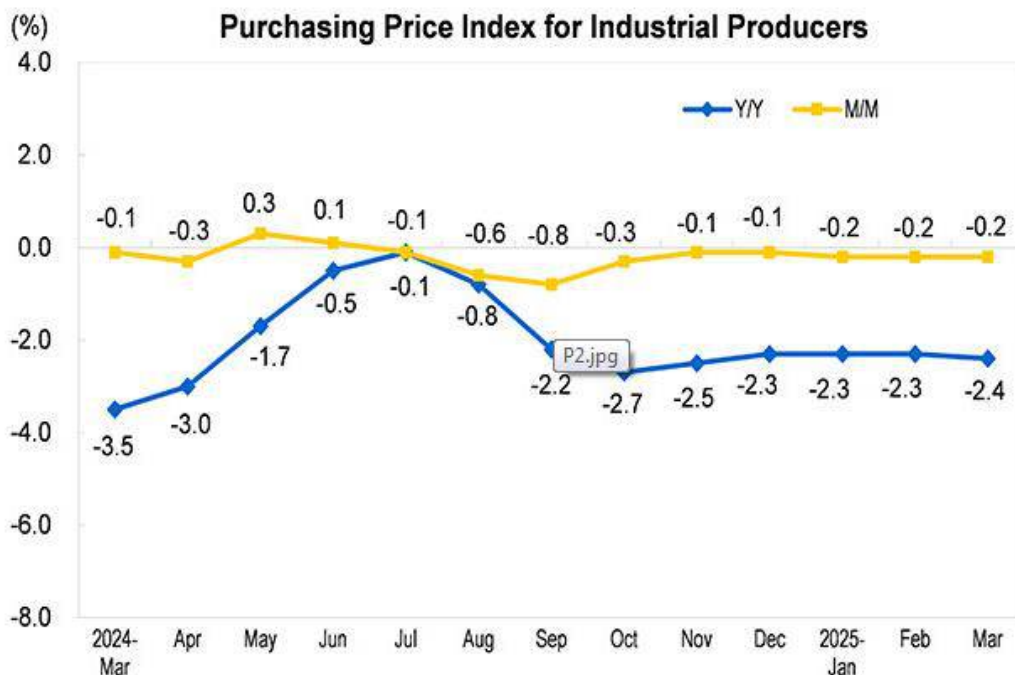


Figure below gives the historic PPI industry data for Industrial producers available on website site of National Bureau of Statistics of China (Source: https://www.stats.gov.cn/english/PressRelease/202504/t20250414_1959291.html).



The above index represents variations in prices in fuel and power, ferrous metals, nonferrous metals and cables, other industrial raw materials and semi-products etc). The above index data shows that the prices of ferrous metals have decreasing by 2.4% year on year and dropped by 0.2% month on month.

1.6.2 Civil Works

The proceeding section indicates that unit rates for major civil works have been adopted from MRS-2024, however for some non MRS items; the rates have been either developed based on Rate Analysis or adopted from projects under development. The MRS-2024 rates are found still valid and applicable till the tender base date on November 2024.

Based on above practice i.e. using the MRS rates, it has already been assured that the adopted rates for Civil Works are established on sound basis, hence no variation is foreseen.

1.6.2.1 Variation in Urban Intercity Consumer Prices of Construction and Energy Items

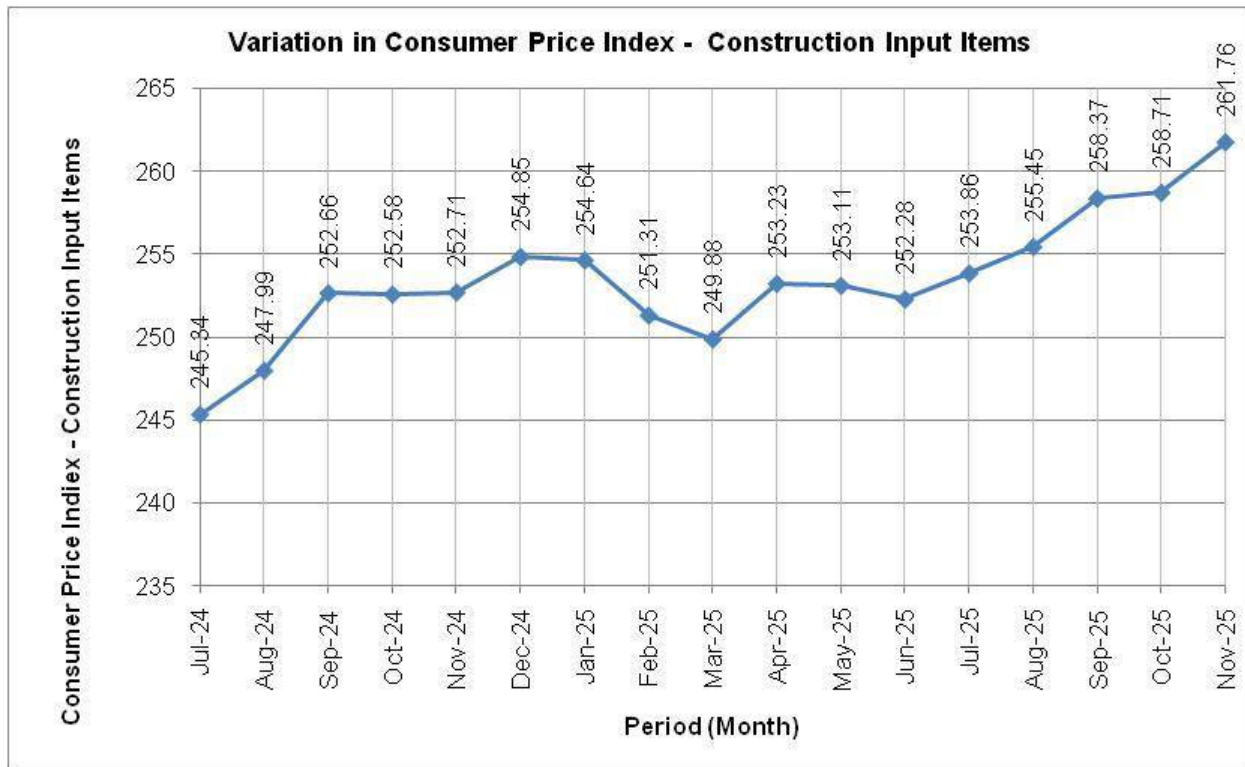
The Table below gives the variation in Intercity Consumer Prices of Labor, Fuel, Cement and Steel Bars prevailing on Tender Base date (November 14, 2024) and in November 2025 (Source: Urban Construction Item Prices [Excel) available on PBS Website: <https://www.pbs.gov.pk/price-statistics>).

Description	Nov-24	Nov-25	Increase / Decrease	
	(Rs.)	(Rs.)	(Rs)	(%)
Labor per Day	1000	1200	200	20.0
High Speed Diesel per Lit	255.14	281.44	26	10.3
Cement per 50 Kg Bag	1500	1337	-163	-10.9
Steel bars per tonne	23,5998.59	214,830.87	-21168	-9.0

The table shows that the labor and fuel prices have been increased whereas those for cement and steel bars have been decreased.

1.6.2.2 Variation in Consumer Price Index for Construction Input Items

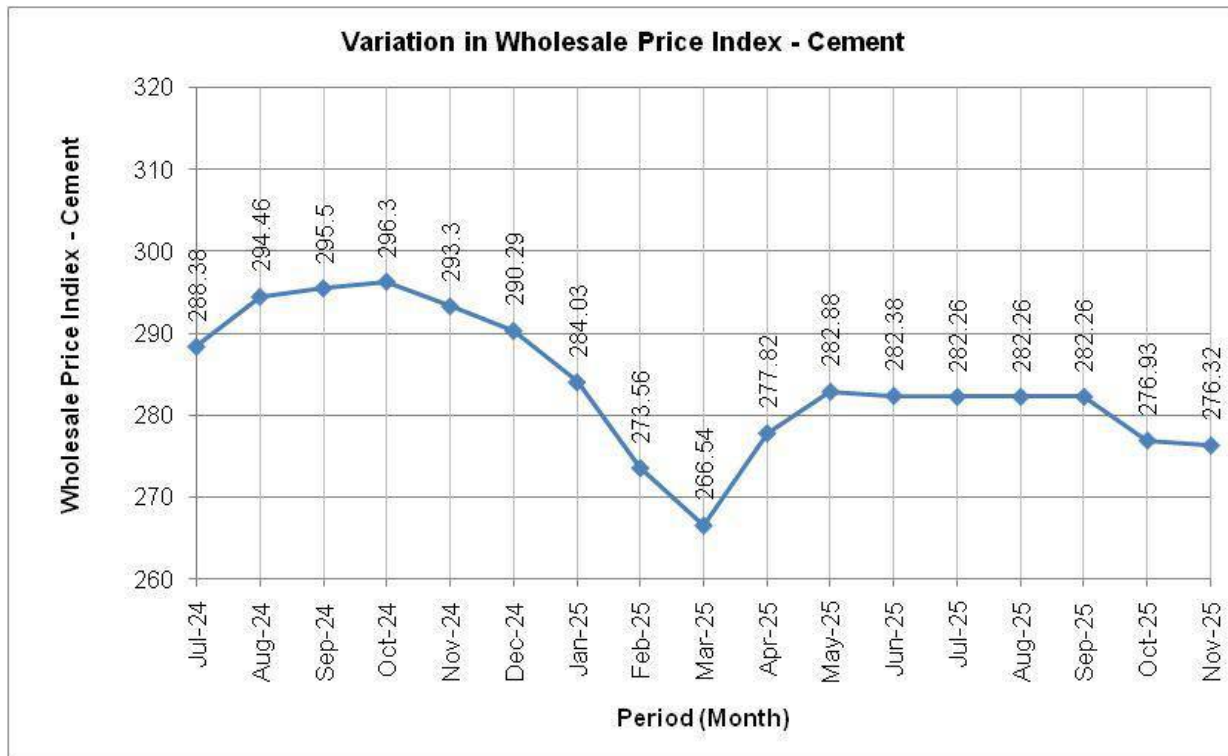
The Figure below shows the variation in Consumer Price Index (CPI-Rural) value for “Construction Input Items” (basket of steel, cement, aggregates, paint) published by Government of Pakistan Ministry of Planning, Development & Special Initiatives Pakistan Bureau of Statistics Islamabad each month (Source: https://www.pbs.gov.pk/wp-content/uploads/2020/07/CPI_Review_August_2024.pdf).



The figures show slightly increasing trend in the consumer price index of construction input items. The total increase from July 2024 to June 2025 is noted as 2.83% whereas for the period from July 2024 to November 2025, the increase is noted as 6.523%. The above variations indicate that the market rates of the construction input items remained stable during the observed period.

1.6.2.3 Variation in Wholesale Price Index for Cement

The Figure below shows the variation in Wholesale Price Index for “Cement” published by Government of Pakistan Ministry of Planning, Development & Special Initiatives Pakistan Bureau of Statistics Islamabad each month (Source: https://www.pbs.gov.pk/wp-content/uploads/2020/07/CPI_Review_August_2024.pdf).



The figures show that the wholesale prices of cement remained slightly decreasing. The total decrease from July 2024 to June 2025 is noted as 1.84% whereas for the period from July 2024 to November 2025, the decrease is noted as 3.99%. The above variations indicate that the market rates for the cement remained stable during the observed period.

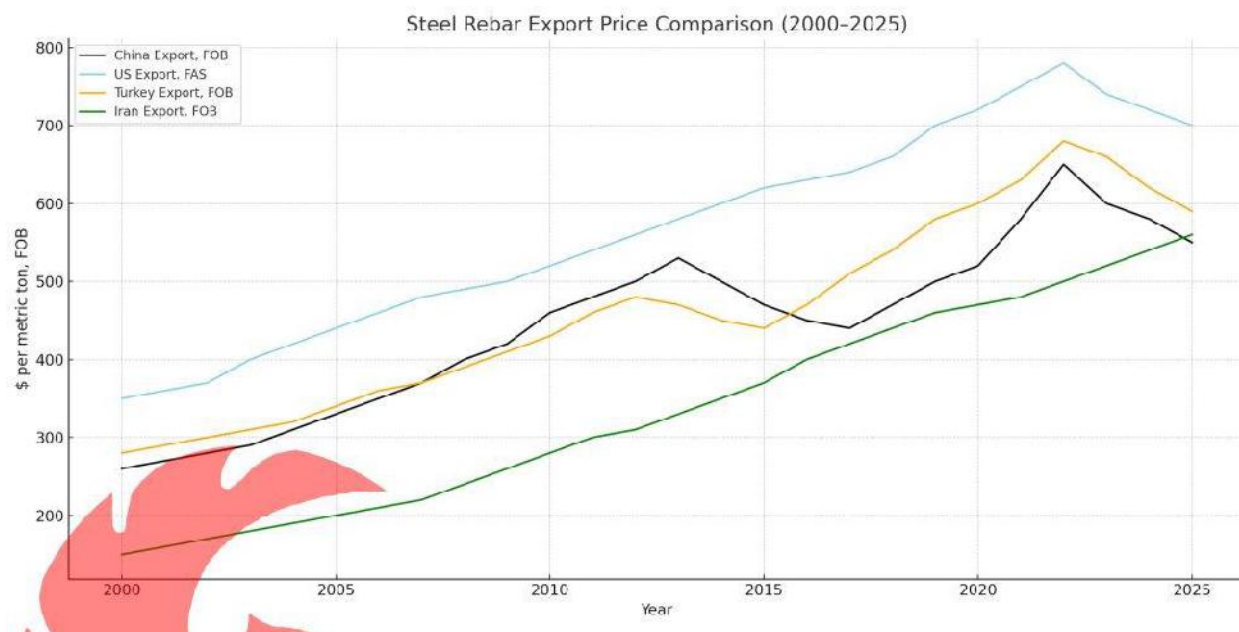
1.6.2.4 Variation in Wholesale Price for Steel Bars & Plates

The Figure below shows the variation in Wholesale Price Index for “Steel Bars & Plates” published by Government of Pakistan Ministry of Planning, Development & Special Initiatives Pakistan Bureau of Statistics Islamabad each month.



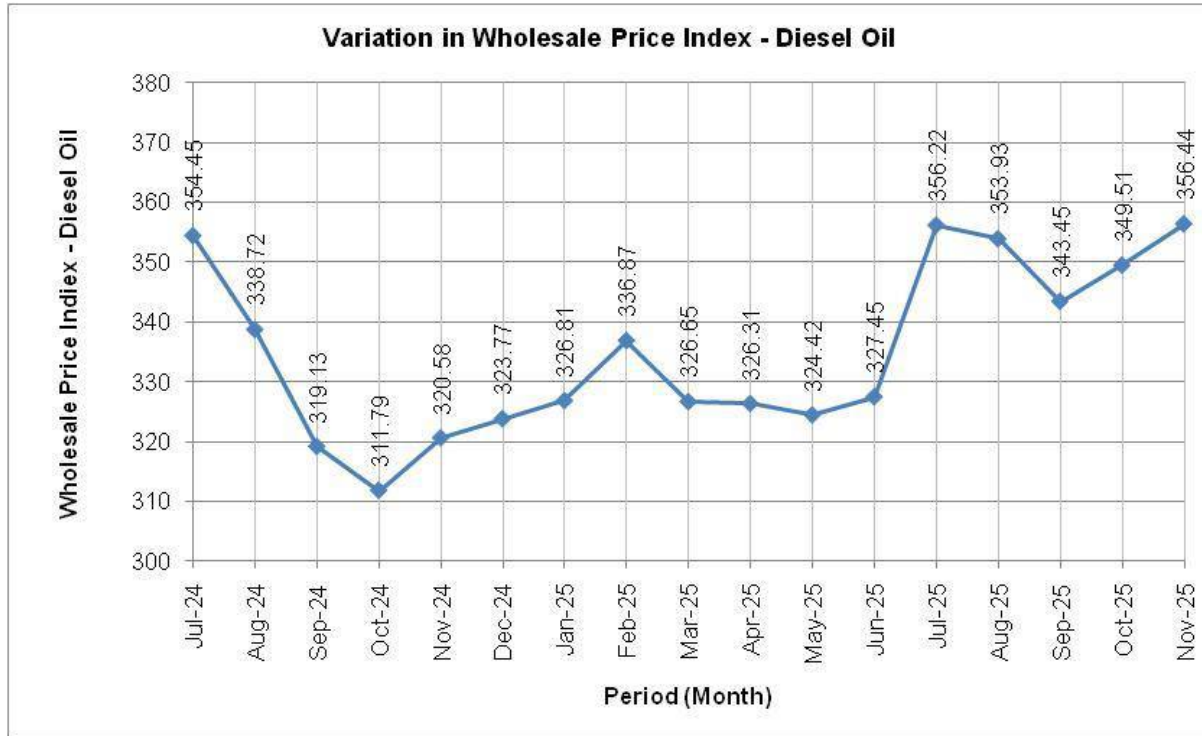
The figures show that the wholesale prices of steel bars & plates remained decreasing. The total decrease from July 2024 to June 2025 is noted as 11.44% whereas for the period from July 2024 to November 2025, the decrease is noted as 14.37%. The above variations indicate that the market rates for the steel bars remained decreasing during the observed period.

The above decreasing trend in steel prices has also been observed from the international markets as depicting in the below figure download from internet:



1.6.2.5 Variation in Wholesale Price Index for Diesel Oil

The Figure below shows the variation in Wholesale Price Index for “Diesel Oil” published by Government of Pakistan Ministry of Planning, Development & Special Initiatives Pakistan Bureau of Statistics Islamabad each month (Source: https://www.pbs.gov.pk/wp-content/uploads/2020/07/CPI_Review_August_2024.pdf).



The figures show that the wholesale prices of Diesel oil remained stable. The total decrease from July 2024 to June 2025 is noted as 7.47% whereas for the period from July 2024 to November 2025, there is net increase of 1.46%. The above variations indicate that the market rates for the Diesel oil remained stable during the observed period.

Annexure A - Engineer Estimate

Schedule No. 1 - Plant and Equipment Supplied from Abroad

Item	Description	Country of Origin	Qty./ No.s	Engineer Estimate		
				CIP Unit Price (Foreign Currency in USD)	Total CIP Price (Foreign Currency in USD)	Taxes and Duties (Local Currency in PKR)
1	2	3	4	5	6 = 4 x 5	7
1.1	Francis Turbine & Auxiliaries complete in all respects including cooling system etc.,	China	2 sets	266,818.68	533,637.35	74,137,676
1.2	Generators & Auxiliaries complete in all respects.	China	2 sets	699,715.80	1,399,431.60	Included above
1.3	Governing system, complete in all respects.	China	2 sets	12,335.16	24,670.33	Included above
1.4	Butterfly Inlet Valves and Auxiliaries.	China	2 sets	36,673.52	73,347.05	Included above
1.5	Powerhouse Overhead Cranes & Auxiliaries equipment.	China	1 set	302,234.98	302,234.98	Included above
1.6	Mobile Crane.	China	1 set	Included under Item 1.5 above		Included above
1.7	Draft Tube, Gates and Auxiliaries complete in all respects.	China	Job	31,207.91	31,207.91	Included above
1.8	SCADA System complete in all respects.	China	Job	448,974.00	448,974.00	Included above

Item	Description	Country of Origin	Qty./ No.s	Engineer Estimate		
				CIP Unit Price (Foreign Currency in USD)	Total CIP Price (Foreign Currency in USD)	Taxes and Duties (Local Currency in PKR)
1	2	3	4	5	6 = 4 x 5	7
1.9	Telecommunication system complete in all respects.	China	Job	175,686.00	175,686.00	Included above
1.1	Penstocks and all associated items etc.	China	Job	128,895.04	128,895.04	Included above
1.11	Radial gates with hoisting system complete in all respect.	China	Job	432,440.94	432,440.94	Included above
1.12	All other gates including hoisting system complete in all respect.	China	Job	180,207.73	180,207.73	Included above
1.13	Trash Racks along with Rail mounted "grab and bucket" trash rack Cleaning Machine (TRCM) complete in all respect.	China	Job	104,714.08	104,714.08	Included above
1.14	Medium Voltage (11KV) Busbar / switchgears along with auxiliary equipment's	China	Job	842,936.40	842,936.40	Included above
1.15	11KV transmission & 0.4KV distribution system complete in all respect (including Civil Works and other auxiliary equipment).	China	Job	2,502,000.00	2,502,000	Included above

Item	Description	Country of Origin	Qty./ No.s	Engineer Estimate		
				CIP Unit Price (Foreign Currency in USD)	Total CIP Price (Foreign Currency in USD)	Taxes and Duties (Local Currency in PKR)
1	2	3	4	5	6 = 4 x 5	7
1.16	Station Service (200kVA), Distribution T/F for Colony (3x200kVA), Weir Site T/F (50kVA) along with Distribution Transformers Complete in all respect as per Employer's Requirement.	China		Included under Item 1.14 above		Included above
	i. 100 KVA		30			
	ii. 50 KVA		25			
	iii. 25 KVA		25			
TOTAL Column 6 & 7 to be carried forward to Schedule No. 6. Grand Summary					7,180,383.41	74,137,675.82

Schedule No. 2 - Plant and Equipment Supplied from within Pakistan

Item	Description	Qty.	Unit Price (Inclusive of Sales Tax) (PKR)	Total Price (Delivery at Site)
1	2	3	4	5 = 3 x 4
1.1	Francis Turbine & Auxiliaries complete in all respects including cooling system etc.,	2 sets	0	0
1.2	Generators & Auxiliaries complete in all respects.	2 sets	0	0
1.3	Governing system, complete in all respects.	2 sets	0	0
1.4	Butterfly Inlet Valves and Auxiliaries.	2 sets	0	0
1.5	Powerhouse Overhead Cranes & Auxiliaries equipment.	1 set	0	0
1.6	Mobile Crane.	1 set	0	0
1.7	Draft Tube, Gates and Auxiliaries complete in all respects.	Job	0	0
1.8	SCADA System complete in all respects.	Job	0	0
1.9	Telecommunication system complete in all respects.	Job	0	0

Item	Description	Qty.	Unit Price (Inclusive of Sales Tax) (PKR)	Total Price (Delivery at Site)
1	2	3	4	5 = 3 x 4
1.1	Penstocks and all associated items etc.	Job	0	0
1.11	Radial gates with hoisting system complete in all respect.	Job	0	0
1.12	All other gates including hoisting system complete in all respect.	Job	0	0
1.13	Medium Voltage (11KV) Busbar / switchgears along with auxiliary equipment's	Job	0	0
1.14	11KV transmission & 0.4KV distribution system complete in all respect (including Civil Works and other auxiliary equipment).	Job	0	0
1.15	Station Service (200kVA), Distribution T/F for Colony (3x200kVA), Weir Site T/F (50kVA) along with Distribution Transformers Complete in all respect as per Employer's Requirement.		0	0
	i. 100 KVA	30	0	0
	ii. 50 KVA	25		
	iii. 25 KVA	25		
TOTAL Column 5 to be carried forward to Schedule No. 6. Grand Summary				0

Schedule No. 3 - Design Services, Installation and other Services

Item	Description	Unit	Total Price	
			Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5
3.1	Design of Civil Works	L.S.	170,102,544	155,332
3.2	Physical Model Testing for Confirmation of Hydraulic Designs and associated costs.	Not Used		
3.3	Design of E&M and, Transmission line, Substations and Hydro-mechanical steel works	L.S.		
3.4	Erection sequence Drawings for E&M and H/M steel Works	L.S.		
3.5	Supervision of Works (Civil, E&M & H&M) and installation to ensure the implementation of approved design and specifications at site.	L.S.		
3.6	Construction and As built Drawings along with project completion report.	L.S.		
3.7	Erection/Installation of E&M Plant and equipment, complete in all respect for the Operational Acceptance and to the satisfaction of the Engineer.	L.S.		
3.8	Testing and Commissioning on completion.	L.S.		
Total Columns 4 and 5 to be carried forward to Schedule No. 6. Grand Summary			170,102,544	155,332

Schedule No. 4 - Civil Works, Installation and other Services

Item	Description	Qty.	Unit Price Local Currency Portion (PKR)	Total Price Local Currency Portion (PKR)
1	2	3	4	5 = 3 x 4
4.1	Civil Works			
4.1.1	Temporary Works including River Diversion and care of water etc.	Job	136,315,980	136,315,980
4.1.2	Residential and Office Buildings of the Employer's colony including all associated works.	Job	474,984,900	474,984,900
4.1.3	Access Roads.	Job	160,000,000	160,000,000
4.1.4	Bridge.	Job	74,171,012	74,171,012
4.1.5	Main Weir/Dam and associated works.	Job	2,016,450,138	2,016,450,138
4.1.6	Intake Structure and associated works.	Job	185,295,118	185,295,118
4.1.7	Cut and Cover Conduit and associated works.	Job	235,012,418	235,012,418
4.1.8	Headrace Tunnel, including all RSW, Concrete Lining etc.	Job	693,535,565	693,535,565
4.1.9	Surge Tank, including RSW, Concrete Lining and associated works.	Job	95,386,144	95,386,144
4.1.10	Penstocks (Civil Works)	Job	31,289,231	31,289,231

Item	Description	Qty.	Unit Price Local Currency Portion (PKR)	Total Price Local Currency Portion (PKR)
1	2	3	4	5 = 3 x 4
4.1.11	Power House and associated works including drainage system of rain water.	Job	252,661,816	252,661,816
4.1.12	Tailrace, including retaining wall and other river protection works etc.	Job	119,169,038	119,169,038
4.2	Miscellaneous items			-
4.2.1	Provision of field camps, offices and operating facilities for Consultant and Employer	Job	Included above	Included above
4.2.2	Transport for the Engineer/ Employer staff	Job	Included above	Included above
TOTAL Columns 5 to be carried forward to Schedule No. 6. Grand Summary				4,474,271,359

Schedule No. 5 - Mandatory Spare Parts and Tools

Item	Description	Qty.	Unit Price		Total Price	
			EXW Local Parts (Local Currency in PKR)	CIP Imported Parts (Foreign Currency in USD)	Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
	Generator Spare Parts (ER-1.2.4.16) (1)		0	505,584.24	0	505,584.24
i.	Spare Stator Windings, with required mounting material	1		Included above		Included above
ii.	Poles, one of each polarity	2		Included above		Included above
iii.	Linings for the guide bearings	1		Included above		Included above
iv.	Pads for the thrust bearing	1		Included above		Included above
v.	Brake linings	1		Included above		Included above
vi.	Gaskets for brake cylinder	1		Included above		Included above
vii.	Limit switch for brake cylinder	1		Included above		Included above
viii.	Brush holders	1		Included above		Included above
ix.	Brushes	10		Included above		Included above
x.	Air heat exchanger element	4		Included above		Included above
xi.	Gaskets for air/water heat exchanger	1		Included above		Included above
xii.	Bearing oil heat exchanger	1		Included above		Included above

Item	Description	Qty.	Unit Price		Total Price	
			EXW Local Parts (Local Currency in PKR)	CIP Imported Parts (Foreign Currency in USD)	Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
xiii.	High pressure oil pump and motor of each type (AC and DC)	1		Included above		Included above
xiv.	Gaskets, screws, bolts and nuts of all types used	1		Included above		Included above
xv.	Pole dismantling device	1		Included above		Included above
xvi.	Pole fixing wedges	1		Included above		Included above
xvii.	Pole connection buses	1		Included above		Included above
xviii.	Damper buses	1		Included above		Included above
xix.	RTD of all types	1		Included above		Included above
	Other Spares (ER-1.2.4.16) (2)			Included above		Included above
a)	Shaft Seals:			Included above		Included above
i.	Carbon rings	1		Included above		Included above
ii.	Gasket for Generator	1		Included above		Included above
b)	Combine Bearing			Included above		Included above
i.	Thrust and guiding slide shoes.	1		Included above		Included above
ii.	Electric circulation pump / oil cooler unit.	1		Included above		Included above

Item	Description	Qty.	Unit Price		Total Price	
			EXW Local Parts (Local Currency in PKR)	CIP Imported Parts (Foreign Currency in USD)	Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
iii.	AC pump for the oil injection	1		Included above		Included above
c)	Generator Control and Instrumentation			Included above		Included above
i.	Temperature detectors and thermometers.	1		Included above		Included above
ii.	Flow indicators.	1		Included above		Included above
iii.	Relays, limit switches, etc.	1		Included above		Included above
iv.	I/O modules of each type.	1		Included above		Included above
v.	Epoxy-mica Capacitor of type	1		Included above		Included above
vi.	Indicator meter for MW, KV, A.	1		Included above		Included above
vii.	Device communication for communication between Control and SCADA	1		Included above		Included above
viii.	Buttons, indicating lamps, relays and fuses of control panel	1		Included above		Included above
d)	Maintenance Equipment			Included above		Included above
i.	Insulation test set to cover the range of equipment.	1		Included above		Included above

Item	Description	Qty.	Unit Price		Total Price	
			EXW Local Parts (Local Currency in PKR)	CIP Imported Parts (Foreign Currency in USD)	Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
ii.	Polarization index test set to cover the range of equipment.	1		Included above		Included above
iii.	Resistance measurement test set to cover the range of equipment	1		Included above		Included above
iv.	Protection Relay tester	1		Included above		Included above
v.	Pole dismantling device	1		Included above		Included above
vi.	Laptops with all Softwares for testing, commissioning and setting/calibration, trouble shooting of parameters of all E & M Equipment including Turbine, Generator, Protection Relays, Scada, others.	2		Included above		Included above
	Excitation System (ER-1.2.4.17) (8) (a)			Included above		Included above
i.	Electronic prints corresponding to a complete AVR.	1		Included above		Included above
ii.	Thyristors and thyristor fuses.	1		Included above		Included above
iii.	Thyristor pulse control module.	2		Included above		Included above
iv.	Auxiliary contactors.	1		Included above		Included above
v.	Cubicle ventilation fan unit.	1		Included above		Included above

Item	Description	Qty.	Unit Price		Total Price	
			EXW Local Parts (Local Currency in PKR)	CIP Imported Parts (Foreign Currency in USD)	Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
vi.	Complete Excitation Circuit Breaker.	1		Included above		Included above
vii.	FCB closing and tripping coils for each system	2		Included above		Included above
	11 kV Medium Voltage Circuit Breaker Switchgear (ER-1.2.4.20) (3)			Included above		Included above
i.	Complete trolley, Nos.	2		Included above		Included above
ii.	Current transformer, Nos.	2		Included above		Included above
iii.	Voltage transformer, Nos.	2		Included above		Included above
iv.	CB Support insulators as applicable, Set	1		Included above		Included above
v.	Busbar support insulators, Set	1		Included above		Included above
vi.	Trip coils (DC&AC), Set	1		Included above		Included above
vii.	Charging motor, Nos.	2		Included above		Included above
viii.	Set of signaling lamps and lamp covers (each colour), Nos.	4		Included above		Included above
ix.	Terminal blocks, Nos.	1		Included above		Included above
x.	Vacuum bottles with poles, sets	2		Included above		Included above

Item	Description	Qty.	Unit Price		Total Price	
			EXW Local Parts (Local Currency in PKR)	CIP Imported Parts (Foreign Currency in USD)	Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
xi.	Vacuum checking meter for vacuum bottles, Nos.	1		Included above		Included above
	Diesel Generating Unit (ER-1.2.4.21) (1)			Included above		Included above
i.	Oil Filter for each type of Generator	2		Included above		Included above
ii.	Fuel Filter for each type of Generator	2		Included above		Included above
iii.	Engine Gasket for each type of Generator	2		Included above		Included above
	DC and UPS Systems (ER-1.2.4.22) (3)			Included above		Included above
i.	Each type of cells with covers	1		Included above		Included above
ii.	Cell connection pieces as links, nuts, washers, etc. of each type	1		Included above		Included above
iii.	Battery fuses, each type	1		Included above		Included above
iv.	Filling for one complete battery	1		Included above		Included above
v.	Each type of printed circuit boards, plug-in modules	1		Included above		Included above
vi.	Coils and replacement parts	1		Included above		Included above
vii.	Special tools and appliances	1		Included above		Included above

Item	Description	Qty.	Unit Price		Total Price	
			EXW Local Parts (Local Currency in PKR)	CIP Imported Parts (Foreign Currency in USD)	Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
	SCADA System (ER-1.2.4.24) (6)			Included above		Included above
i.	Power supply modules, for the computers, front-end communication processors	1		Included above		Included above
ii.	Logical controller (LC) each type	1		Included above		Included above
iii.	Electronic Circuit Board each type	1		Included above		Included above
	Communication and Security System (ER-1.2.4.25) 5)			Included above		Included above
i.	Circuit boards/electronic modules	1		Included above		Included above
ii.	Interface cables	2		Included above		Included above
iii.	Each type of fuse and light bulbs	5		Included above		Included above
iv.	Test rigs, extender cards, and test cables.	1		Included above		Included above
v.	Complete set of any special test tools	1		Included above		Included above
	Turbine Spare Parts (ER-2.2.4.21)		0	122,665.5	0	122,665.5
i.	Complete runner of each size with connection bolts	1		Included above		Included above
ii.	Gaskets and packing	2		Included above		Included above

Item	Description	Qty.	Unit Price		Total Price	
			EXW Local Parts (Local Currency in PKR)	CIP Imported Parts (Foreign Currency in USD)	Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
iii.	Bushings	2		Included above		Included above
iv.	Packing of shaft seal	2		Included above		Included above
v.	Servomotor	1		Included above		Included above
vi.	Piston rings, liners, gaskets and sealing material for each servomotor	1		Included above		Included above
vii.	Wearing parts for the turbine guide bearing	2		Included above		Included above
viii.	Bearing oil cooling pump.	1		Included above		Included above
ix.	Limit switch	1		Included above		Included above
x.	Sealing ring and packing for oil pipelines, air pipe lines and water pipe lines.	1		Included above		Included above
xi.	Pressure/vacuum gauge of each type	1		Included above		Included above
xii.	Vapour type thermometer with sensing bulb	1		Included above		Included above
xiii.	Solenoid valves.	1		Included above		Included above
xiv.	Lamps, fuses 10 Nos each.	1		Included above		Included above
xv.	O-rings and seals	2		Included above		Included above

Item	Description	Qty.	Unit Price		Total Price	
			EXW Local Parts (Local Currency in PKR)	CIP Imported Parts (Foreign Currency in USD)	Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
	Governor Spare Parts (ER-2.2.7.5)			Included above		Included above
i.	Speed sensing devices	2		Included above		Included above
ii.	Hydraulic control valves.	1		Included above		Included above
iii.	Solenoid valves of each type	1		Included above		Included above
iv.	Sensing elements for servomotor position	2		Included above		Included above
v.	Limit switches of each type	1		Included above		Included above
vi.	Pressure switches of each type	2		Included above		Included above
vii.	Governor oil pumps with motor	1		Included above		Included above
viii.	Gaskets and scaling material.	2		Included above		Included above
ix.	Strainer cartridges for the oil pressure unit	2		Included above		Included above
x.	Electronic circuit module.	2		Included above		Included above
xi.	Indicator lamps 10 nos.	1		Included above		Included above
	Inlet Valve Spare Parts (ER-2.2.8.4)			Included above		Included above

Item	Description	Qty.	Unit Price		Total Price	
			EXW Local Parts (Local Currency in PKR)	CIP Imported Parts (Foreign Currency in USD)	Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
i.	Rubber Seals for Inlet Valves.	2		Included above		Included above
ii.	Cuffs and gaskets.	1		Included above		Included above
iii.	Bearing bushings.	1		Included above		Included above
iv.	Needle tip and seat ring for the bypass needle valve.	1		Included above		Included above
v.	complete set of rings and gaskets for the valve servomotor,	2		Included above		Included above
vi.	Set of indicator lamps, fuses 10 nos.)	1		Included above		Included above
vii.	Hydraulic pump	1		Included above		Included above
	Crane Spare Parts (2.2.11)			Included above		Included above
i.	Bearings, bearing bushes, wear pins.	1		Included above		Included above
ii.	Brake shoes for each brake used.	1		Included above		Included above
iii.	Carbon brushes for each motor used.	3		Included above		Included above
iv.	Brush holders for each motor used	1		Included above		Included above
v.	Gaskets and packing.	1		Included above		Included above
vi.	Limit switches of each type used.	1		Included above		Included above

Item	Description	Qty.	Unit Price		Total Price	
			EXW Local Parts (Local Currency in PKR)	CIP Imported Parts (Foreign Currency in USD)	Local Currency Portion (PKR)	Foreign Currency Portion (USD)
1	2	3	4	5	6 = 3 x 4	7 = 3 x 5
vii.	Lamps, fuses 10 Nos	1		Included above		Included above
	Mechanical Auxiliaries Spare Parts (ER-2.2.12.14)			Included above		Included above
i.	Pressure Gauge of each type used	1		Included above		Included above
ii.	Pressure Switch of each type used	1		Included above		Included above
iii.	Pressure Transmitter of each type used	1		Included above		Included above
iv.	Flow Meter of each type used Flow Meter	1		Included above		Included above
v.	Flow Switch of each type used	1		Included above		Included above
	Hydraulic Gates Spare Parts (ER-2.2.12.16)			Included above		Included above
i.	Gate seals for the slide gate with accessories each type	1		Included above		Included above
ii.	Flexible high-pressure hose with accessories each type	1		Included above		Included above
iii.	Stoplog element seals with accessories each Type	1		Included above		Included above
TOTAL Columns 6 and 7 to be carried forward to Schedule No. 6. Grand Summary					0.00	628,249.72

Schedule No. 6 – Grand Summary

Schedule No.	Title	Engineer Estimate Price Index July 15, 2024	
		Foreign Currency (USD)	Local Currency (PKR)
1	Plant and Equipment Supplied from Abroad	7,180,383	74,137,676
2	Plant and Equipment Supplied from within Pakistan	N.A	0
3	Design Services, Installation and other Services	155,332	170,102,544
4	Civil Works, Installation and other Services	N.A	4,474,271,359
5	Mandatory Spare Parts and Tools	628,250	0
SUB TOTAL- A		7,963,965	7,963,965
Exchange rate for foreign currency (USD)			278.0300
Sub Total - B (Foreign + Local) (PKR)			6,932,732,842
PROVISIONAL SUM (Fixed for every Bidder) (PKR)			500,000,000
Grand Total (Including Provisional Sum & Daywork)			7,432,732,842

Annexure B

Rates Analysis for Underground Excavations Type-I, II, III, IV and V, Shotcrete, Rock bolts and Wire mesh

TABLE 18: RATE ANALYSIS FOR UNDERGROUND EXCAVATION IN TUNNELS								
Underground Excavation in Tunnels								
Item No.:		Executing Agency : PEDO						
		Assumed Quantity : 100						
		Unit : CUM						
Sr#	Code	Description	Unit	Per Unit Qty	Quantity	Unit Rate	Amount (Rs.)	Remarks
A		Excavation						
A.1		MANPOWER					6 Man hr/m ³	6.00
		SUPERVISOR CIVIL	Hr	0.39	39.00	250.80	9,781.20	6.5%
		STONE CUTTER	Hr	0.39	39.00	168.96	6,589.44	6.5%
		HELPER	Hr	5.18	517.57	147.84	76,517.37	86%
		Sub Total B.1					92,888.01	
A.2		EQUIPMENT						
		Hagg - Loader	Hr	0.1500	15.000	2,301.57	34,523.61	
		Jumbo Drill	Hr	0.15000	15.000	8,267.55	124,013.24	
		Dumpy Truck	Hr	1.78000	178.000	1,522.46	270,996.99	
		Generators 500 Kva	Hr	0.15000	15.000	2,750.00	41,250.00	
		Sub Total B.2					470,783.84	
A.3		POL						
		Hagg - Loader	Litter/Hr	20.00	300.000	278.03	83,409.00	
		Jumbo Drill	Litter/Hr	22.00	330.000	278.03	91,749.90	
		Dumpy Truck	Litter/Hr	14.00	2492.000	278.03	692,850.76	
		Generators 500 Kva	Litter/Hr	35.00	525.000	278.03	145,965.75	
		Sub Total B.4					1,013,975.41	
		A- Total Amount					1,577,647.26	
B		Material						
		Material for Blasting (Tunnels)	Kg	1.00	100.00	2,096.60	209,660.00	
		B- Total Amount					209,660.00	
C		Miscellaneous items						
		Ventilation Pipe	L.S				2,000.00	
		High Pressure Pipe	L.S				2,500.00	
		Pumps & Drainage Pipe	L.S				2,000.00	
		Lighting etc	L.S				1,000.00	
		PPE's	L.S	1	100	5.50	550.00	
		C- Total Amount					8,050.00	
D		Summary						
	1	Cost for 100 m³					1,795,357.26	PKR
	2	Carriage & Trans. of Material to Site of Work				1%	17,953.57	PKR
		Sub.Total					1,813,310.83	PKR
	3	Contractor's Over Heads & Profit				25%	453,327.71	PKR
		Sub.Total					2,266,638.54	PKR
	4	Income Tax				0%	-	PKR
		Total Amount					2,266,638.54	PKR
		Rate for 01 CUM	Type-II				22,666.39	PKR
			Type-III			-10%	20,399.75	PKR
			Type-IV			-10%	18,359.77	PKR
			Type-V			-5%	17,441.78	PKR
			Type-I			10%	24,933.02	PKR

TABLE 19: RATE ANALYSIS FOR SHOTCRETE (35MPa) IN TUNNELS

Concrete (Shotcrete -35 Mpa) for Tunnels

Item No.:

Executing Agency : **PEDO**

Assumed Quantity : **100**

Unit : **CUM**

Sr#	Code	Description	Unit	Per Unit Qty	Quantity	Unit Rate	Amount (Rs.)	Remarks
		Quantity	CUM		100			
A		MATERIAL						
		Cement	Kg	380.00	38,000	26.08	991,161.60	
		Fine Aggregate / Sand	Cft	18.00	1,800	37.62	67,716.00	
		Coarse Aggregate 9.5mm	Cft	38.00	3,800	43.89	166,782.00	
		Admixture (Air-Entraining)	Liter	0.01	0.76	114.62	87.11	0.002% of Cement
		Admixture (Sika Viscocrete)	Kg	0.95	95	342.86	32,571.33	0.25% of Cement
		Water	Liter	184.00	18,400	0.04	708.40	
		ICE	Kg	3.00	300	9.13	2,739.00	
		Wastage 10%					126,176.54	
		A- Total Amount					1,387,941.98	
B		Concrete Production						
B.1		MANPOWER					1 Mhr per Cum	1
		SUPERVISOR CIVIL	Hr	0.13	12.50	250.80	3,135.00	13%
		HELPER	Hr	0.75	75.00	147.84	11,088.00	75%
		LEADMAN	Hr	0.13	12.50	203.28	2,541.00	13%
		Sub Total B.1					16,764.00	
B.2		EQUIPMENT						
		POWER GENERATOR 320 ~ 365 KVA	Hr	0.03	3.34	1,429.89	4,775.83	
		CONCRETE BATCH PLANT 30 M3 / HR	Hr	0.03	3.34	1,981.77	6,619.12	
		LOADER FRONT END 2.75 M3	Hr	0.01	1.00	3,283.10	3,283.10	
		Transit Mixer	Hr	0.05	5.34	1,585.85	8,468.43	
		CHILLER PLANT 15,000 LTRS / HR)	Hr	0.01	1.00	1,079.58	1,079.58	
		Sub Total B.2					24,226.06	
B.4		POL						
		POWER GENERATOR 320 ~ 365 KVA	Litter/Hr	25.00	83.50	278.03	23,215.51	
		LOADER FRONT END 2.75 M3	Litter/Hr	15.00	15.00	278.03	4,170.45	
		Transit Mixer	Litter/Hr	5.00	26.70	278.03	7,423.40	
		Sub Total B.4					34,809.36	
		B- Total Amount					75,799.42	
C		Concrete Placing						
C.1		MANPOWER					6 Mhr per Cum	6
		Nozzle Man	Hr	1.38	138.00	172.92	23,862.96	23%
		SUPERVISOR CIVIL	Hr	0.48	48.00	250.80	12,038.40	8%
		HELPER	Hr	2.76	276.00	147.84	40,803.84	46%
		Shotcrete Mac. Opt.	Hr	1.38	138.00	172.92	23,862.96	23%
		Sub Total C.1					100,568.16	

C.2	EQUIPMENT						
	Power Generator 100-Kva	Hr	1.38	138.00	211.54	29,192.20	
	Shotcrete Machine	Hr	1.38	138.00	1,125.86	155,368.36	
	AIR COMPRESSOR ~ 700-CFM 700-CF	Hr	1.38	138.00	1,707.75	235,669.50	
	Sub Total C.2					420,230.06	
C.3	POL						
	Power Generator 100-Kva	Litter/Hr	8.00	1,104.00	278.03	306,945.12	
	Sub Total C.3					306,945.12	
	C- Total Amount					827,743.34	
D	Summary					-	
	Cost for 100 m³= (A+B+C)					2,291,484.74	PKR
2	Carriage & Trans. of Material to Site of Work				1%	22,914.85	PKR
	Sub.Total					2,314,399.59	PKR
3	Contractor's Over Heads & Profit				25%	578,599.90	PKR
	Sub.Total					2,892,999.49	PKR
4	Income Tax				0%	-	PKR
	Total Amount					2,892,999.49	PKR
	Rate for 01 Cum					28,929.99	PKR

TABLE 20: RATE ANALYSIS FOR DRILLING, GROUTING AND ISNTALLATION OF GROUTED ROCKBOLTS								
Drilling, Grouting and installation of 20mm Fully Grouted Rockbolts								
Item No.:				Executing Agency :		PEDO		
				Assumed Quantity :		3		
				Unit :		RM		
Sr#	Code	Description	Unit	Per Unit Qty	Quantity	Unit Rate	Amount (Rs.)	Remarks
		Quantity	Rm	1	3			
		Grout	m ³ /Rm Grout	0.0028	0.008			
A		MATERIAL						
		Cement	Kg	1440	12.21	26.08	318.590	
		Expanding agent (2%)	Kg	28.8	0.24	275.88	67.390	
		WRA Sika Viscocrete Admixture (% 0.003)	Kg	4.32	0.04	353.63	12.960	
		Water (40%)	Liter	576	4.89	3.30	16.120	
		Wastage 20%					83.012	
		Rod/Bar25mm: A615 : Deformed	Kg/m	3.978	11.94	373.69	4,460.190	
		A- Total Amount					4,958.26	
B		Grout Production and Placing						
B.1		MANPOWER					100Mhr Per Cum	100
		MASON	Hr	50.000	0.424	172.92	73.340	50%
		SCAFFOLDER	Hr	5.000	0.042	175.56	7.450	5%
		SUPERVISOR CIVIL	Hr	4.000	0.034	250.80	8.510	4%
		HELPER	Hr	38.000	0.322	147.84	47.650	38%
		LEADMAN	Hr	4.000	0.034	203.28	6.900	4%
		Sub Total B.1					143.85	
B.2		EQUIPMENT						
		Pump For Grouting	Hr	75.00	0.636	1,778.304	1,131.31	
		Power Generator 40-Kva	Hr		0.636	550.000	349.89	
		Sub Total B.2					1,481.20	
B.3		POL						
		Power Generator 40-Kva	litter/Hr	8.000	5.089	278.03	1,415.00	
		Sub Total B.3					1,415.00	
		B- Total Amount (B1+B2+B3)					3,040.05	

C		Drilling							
C.1	MANPOWER						4.5 Mhr per Rm	4.50	
	SUPERVISOR CIVIL	Hr	0.338	1.013	250.80		253.940	7.5%	
	OPERATOR	Hr	3.159	9.477	198.00		1,876.440	70%	
	HELPER	Hr	0.338	1.013	147.84		149.690	7.5%	
	Sub Total C.1						2,280.07		
C.2	EQUIPMENT								
	Drill Machine	Hr	0.040	0.121	8,998		1,086.50		
	Sub Total C.2						1,086.50		
C.3	POL								
	Drill Machine	Litter/Hr	14.215	1.717	278.03		477.26		
	Sub Total (C)						477.26		
	C- Total Amount (C1+C2+C3)							3,843.83	
D		Bolt Installation							
D.1	MANPOWER						300 Mhr per Ton	300	
	SUPERVISOR CIVIL	Hr	21.000	0.251	250.80		62.860	7.0%	
	BOLTMAN	Hr	75.000	0.895	175.56		157.150	25.0%	
	HELPER	Hr	60.000	0.716	147.84		105.870	20.0%	
	FABRICATOR PLATE	Hr	48.000	0.573	175.56		100.580	16.0%	
	WELDER PLATE	Hr	36.000	0.430	209.88		90.180	12.0%	
	Sub Total D.1						516.64		
D.2	CONSUMABLE								
	DISC CUTTING CS: 4"X1/8"	Hr	0.350	0.004	90		0.38	4.270 Mhr per Ton	
	DISC CUTTING CS: 7"X1/8"	Hr	0.250	0.003	160		0.48		
	DISC GRINDING CS: 4"X1/4"	Hr	0.350	0.004	201		0.84		
	DISC GRINDING CS: 7"X1/4"	Hr	0.200	0.002	218		0.52		
	ELECTRODE WELDING AWS E6013: 3.25 M	Hr	3.000	0.036	369		13.21		
	GAS DA CYLINDER 5.6 M3	Hr	0.042	0.001	41,800		20.95		
	GAS OXYGEN CYLINDER 6.8 M3	Hr	0.078	0.001	1,320		1.23		
	Sub Total D.2						37.61		
	D- Total Amount (D1+D2)							554.25	
E		Summary							
1	Cost for 3M Bolt = (A+B+C+D)						12,396.39	PKR	
2	Carriage & Trans. of Material to Site of Work				1%		123.96	PKR	
	Sub.Total						12,520.36	PKR	
3	Contractor's Over Heads & Profit				25%		3,130.09	PKR	
	Sub.Total						15,650.44	PKR	
4	Income Tax				0%		-	PKR	
	Total Amount						15,650.44	PKR	
	Rate for Each (3m Length)						15,650.44	PKR	
	Rate per RM						5,216.81	PKR	

TABLE 21: RATE ANALYSIS FOR WIRE MESH								
Welded Wire Mesh (200 X 200 x #3)								
Item No.:				Executing Agency : PEDO				
				Assumed Quantity : 10				
				Unit : Sqm				
Sr#	Code	Description	Unit	Per Unit Qty	Quantity	Unit Rate	Amount (Rs.)	Remarks
		Quantity	Sqm		10			
			Ton	0.00863	0.0863			
A		MATERIAL						
		Welded Wire Mesh	Kg	8.633	86.33	373.692	32,262.11	
		SPACER BLOCKS PVC 50 MM	Nos	60	5.18	16.50	85.47	
		Wastage 10%					3,234.76	
		A- Total Amount					35,582.34	3,558.23
B		Installation of Wire Mesh						
B.1		MANPOWER					40 Mhr per Ton	40
		SUPERVISOR CIVIL	Hr	2.80	0.2417	250.80	60.63	7%
		STEEL FIXER	Hr	8.00	0.6907	168.96	116.70	20%
		FITTER STEEL	Hr	2.00	0.1727	172.92	29.86	5%
		WELDER	Hr	8.00	0.6907	209.88	144.96	20%
		HELPER	Hr	19.20	1.6576	147.84	245.06	48%
		Sub Total B.1					597.21	
B.2		Consumable						
		Tools and others	L.S	1	10.0	165.00	1,650.00	
		Sub Total B.2					1,650.00	
		B- Total Amount (B1+B2)					2,247.21	
D		Summary						
	1	Cost for 10Sqm = (A+B)					37,829.55	PKR
	2	Carriage & Trans. of Material to Site of Work				1%	378.30	PKR
		Sub.Total					38,207.84	PKR
	3	Contractor's Over Heads & Profit				25%	9,551.96	PKR
		Sub.Total					47,759.80	PKR
	4	Income Tax				0%	-	PKR
		Total Amount					47,759.80	PKR
		Rate for 01 Sqm					4,775.98	PKR
		Rate for Per Kg					553.20	PKR

Annexure-H
Minutes of the 16th Procurement Committee Meeting regarding Price
Negotiations with the Sole Bidder, M/S GRC-SMS JV



GOVERNMENT OF KHYBER PAKHTUNKHWA.
PAKHTUNKHWA ENERGY DEVELOPMENT ORGANIZATION

NESPAK House, 24/B-2 Phase-V, Hayatabad, Peshawar. Tele: +92-91-9217295. Email: pd.barandoo@pedo.pk



No. 3022-29/PEDO/Barandoo HPP
Dated: January 23, 2026

To

- 1) Chief Engineer (Procurement & Contracts), PEDO,
- 2) Chief Engineer (Dev.), PEDO,
- 3) Director Finance, PEDO,
- 4) Team Leader/Project Manager, MC, Mujahidin HPP,
- 5) Contract Specialist/Procurement Expert, MC, Mujahidin HPP,

Project: Construction of 6.95 MW Mujahidin HPP at Barandoo River, District Torghar, Khyber Pakhtunkhwa (ADP No. 293 (170368)).

Subject: Minutes of the Procurement Committee Meeting held on 20.01.2026 to Negotiate the quoted Price Bid with the Sole Bidder M/s GRC-SMS JV in accordance with Clause IB 32.2 of the BD & Rule 42A of the KPPRA (MoM No. 016).

Dear Sir (s),

Reference to the subject captioned above, find enclosed herewith minutes of the Procurement Committee meeting held on January 20, 2026 at the Project office "Mujahidin HPP" 1st Floor NESPAK House, Peshawar to "Negotiate the quoted Price Bid with the Sole Bidder M/s GRC-SMS JV in accordance with Clause IB 32.2 of the Bidding Documents and Rule 42A of the KPPRA", for your information, record and further necessary action of the concerned please.

Best Regards!

Encl: Minutes of Meeting duly signed.

Project Director
Mujahidin HPP at Barandoo River
District Torghar, PEDO

Copy forwarded for information to:

1. PA to CEO, PEDO, Peshawar.
2. The Regional Head (North), ACE, Lahore.
3. Office Copy.

Project Director
Mujahidin HPP at Barandoo River
District Torghar, PEDO

Minutes of Meeting (MoM No. 16)

Procurement Committee Meeting held at the office of the Project Director, 6.95 MW Mujahidin Hydropower Project (HPP), NESPAK Building, Peshawar for the Purpose of Price Negotiation with the sole Bidder, M/s GRC-SMS JV, under KPPRA Rule 42A on January 20, 2026

The meeting of the Project Procurement Committee (PC) was convened at the Project Office located in the NESPAK Building, Peshawar. The Chairman of the Procurement Committee, Project Director, 6.95 MW Mujahidin Hydropower Project, formally welcomed all Committee members and participants.

The proceedings commenced with the name of Almighty Allah.

The Chair provided a brief overview of the Project status, informing the Committee that the total Project cost as per the Revised PC-I stands at PKR 9,556.48 million, whereas the Engineer's Estimate for the EPC Contract amounts to PKR 7,432.73 million. It was further stated that the sole Bidder has quoted an EPC Bid Price of PKR 9,722.98 million, which is PKR 2,290.25 million above the Engineer's Estimate. The Chair apprised the Committee that the meeting had been convened to negotiate the quoted Price Bid in accordance with Clause IB 32.2 of the Bidding Documents, read in conjunction with Rule 42A of the Khyber Pakhtunkhwa Public Procurement Regulatory Authority (KPPRA) Rules, with the objective of bringing the Bid Price within acceptable limits.

The Authorized Representative of the Bidder delivered a detailed presentation on the cost breakdown of the quoted Price Bid, which had already been submitted by the Bidder on January 19, 2026, in response to the Management Consultant's letter No. MHPP/3.1/007 dated January 13, 2026.

Following the presentation, a detailed joint discussion session was held. The key points deliberated during the meeting are summarized below:

1. The Bidder's Representative presented a detailed cost breakdown of the quoted Bid Price, including quantities, unit rates, and corresponding amounts. It was stated that, while preparing the Price Bid, potential Project risks such as (i) Quantity variations, (ii) Difficult terrain, (iii) Security concerns, and (iv) Geological uncertainties were duly considered.

2. The Bidder proposed the following cost-reduction measures: (i) Reduction of the Provisional Sum from PKR 500 million to PKR 200 million; (ii) Separation of the Transmission Line works, resulting in an estimated cost reduction of PKR 883.766 million; (iii) Reduction of the residential colony covered area by up to 35%, based on comparison with other PEDO Projects such as Gorkin Matiltan and Karora HPP, resulting in an estimated saving of PKR 301.971 million; and (iv) An offered rebate of 2% on the quoted Bid Price.
3. The representative of PEDO's Procurement & Contracts (P&C) Section clarified that Variation in Scope of Work at this stage of procurement is not permissible and requested the Bidder to consider a reduction in the quoted rates. It was further stated that Price Adjustment provisions are available in the Contract, and any reduction in quoted rates would be compensated through future escalation.
4. In response, the Bidder representative stated that the prevailing market conditions indicate de-escalation rather than escalation.
5. The Management Consultant's Contract Specialist explained that the Engineer's Estimate is primarily based on MRS-2024 rates, incorporating 25.5% overheads and profit margins, with an additional enhancement of 14% applied as a hard-area factor.
6. The MC's Contract Specialist also presented a comparative analysis of major cost items between the Engineer's Estimate and the quoted Bid Prices. The Procurement Committee observed that the Bidder's quoted rates for surface Excavation, Concrete works, Residential colony, and Access roads were exceptionally high in comparison with the Engineer's Estimate.
7. The Bidder's representative stated that MRS rates are not fully applicable to Hydropower Projects due to their complex nature. The Bidder's representative further claimed that the quoted rates are comparatively lower when benchmarked against other ongoing PEDO projects, such as Gorkin Matiltan and Balakot HPP. The Bidder reaffirmed that the maximum rebate that could be offered is limited to 3%.

8. The Chair noted that a 3% rebate, amounting to approximately PKR. 277 million, would not be sufficient to bridge the gap of PKR 2,290.25 million between the quoted Bid Price and the Engineer's Estimate.
9. The Deputy Director (Finance) observed that a substantial rebate could have enabled the Procurement Committee to forward the case to the PEDO Executive Committee (EC) for consideration; however, with the limited rebate of 3%, re-bidding appears unavoidable.
10. The Chair further stated that acceptance of a 3% rebate would result in an increase in the Revised PC-I cost to approximately PKR 11.569 billion, thereby exceeding the financial competency of the forum (PDWP) that approved the original PC-I.
11. The Bidder categorically stated that the quoted Bid Price is rational and workable, and that any rebate beyond 3% would render the Bid commercially unviable and inexecutable for the Bidder.
12. After detailed deliberations, the Procurement Committee unanimously resolved that the Price Bid Evaluation Report (P-BER) may be submitted to the PEDO Executive Committee (EC) with the recommendations to allow the Project office to proceed with Re-bidding.
13. The meeting concluded with a vote of thanks to all participants.



Project
Director,
Mujahidin
HPP
PEDO



Team
Leader/Project
Manager
MC, MHPP



Representative from
Procurement &
Contracts,
PEDO



Representative from
Development
Directorate,
PEDO



Representative
from Finance
Directorate
PEDO



Procurement
Expert
MC, MHPP

List of participants is attached as **Annex-A**.



PEDO
Pakhtunkhwa Energy Development Organization
Government of Khyber Pakhtunkhwa



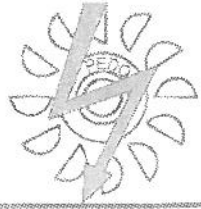
Attendance Sheet

Meeting of the Procurement Committee with the Bidder on Price Negotiation

“For the Construction of 6.95 MW Mujahidin Hydropower Project at
Barandoo River, District Torghar, KP”

Date: January 20, 2026
Time: 11:00 HRS

Sr. No.	Name	Designation	Department	Email	Contact No.	Signature
1	SHAHBAZ KHAN	Project Director (PD) Mujahidin HPP	PEDO	sbk121121121@ govpk.com	03301-9361976 0300-5935676	
2	Ijaz Shauwari	TL/PM-MC	ACE (PWT) LHR.	—	03005908538	
3	Said Nabi	Dir. (planning)	PEDO	Saidnabiz006@gmail.com	0333-9504743	
4	Sabir Khan	Contract Specialist	PEDO	—	03439833747	
5	ZIA-UR-REHMAN	Director Finance	PEDO	—	—	



PEDO

Pakhtunkhwa Energy Development Organization

Government of Khyber Pakhtunkhwa



Attendance Sheet

Meeting of the Procurement Committee with the Bidder on Price Negotiation

“For the Construction of 6.95 MW Mujahidin Hydropower Project at Barandoo River, District Torghar, KP”

Date: January 20, 2026

Time: 11:00 HRS

Sr. No.	Name	Designation	Department	Email	Contact No.	Signature
6	Muhammed Shoaib Jlahi	Authorized Representative	GRC-SMS JU	mshoaibilahij@yahoo.com	03017900079	
7	Bader Muneev	Planning Engr	GRC-SMS JU	enr.badermuneev@gmail.com	03002935935	
8	Imad Ali	AD MHPP	PEDO	engr.imad12@gmail.com	03339995772	
9	M. Ejaz Khan	Chief-Rep ACE - Peshawar	ACE	—	—	
10	Muhammad Khan	Contact specialist	ACE	—	03454841518	

Annexure-I
Minutes of 17th Procurement Committee Meeting



GOVERNMENT OF KHYBER PAKHTUNKHWA.
PAKHTUNKHWA ENERGY DEVELOPMENT ORGANIZATION
NESPAK House, 24/B-2 Phase-V, Hayatabad, Peshawar. Tele: +92-91-9217295. Email: pd.barandoo@pedo.pk



No. 3099-3106/PEDO/Barandoo HPP
Dated: February 11, 2026

To

- 1) Chief Engineer (Procurement & Contracts), PEDO,
- 2) Chief Engineer (Dev.), PEDO,
- 3) Director Finance, PEDO,
- ✓ 4) Team Leader/Project Manager, MC, Mujahidin HPP,
- ✓ 5) Contract Specialist/Procurement Expert, MC, Mujahidin HPP,

Project: Construction of 6.95 MW Mujahidin HPP at Barandoo River, District Torghar, Khyber Pakhtunkhwa (ADP No. 293 (170368)).


Subject: Minutes of the Procurement Committee Meeting held on 04.02.2026 for finalization of the Price Bid Evaluation Report (P-BER) based on the unsuccessful negotiation with the sole bidder and to propose recommendations to the Executive Committee regarding Re-bidding (MoM No. 017).

Dear Sir (s),

Reference to the subject captioned above, find enclosed herewith minutes of the Procurement Committee meeting held on February 04, 2026 at the Project office "Mujahidin HPP" 1st Floor NESPAK House, Peshawar to "Finalize the Price Bid Evaluation Report (P-BER) based on the unsuccessful negotiation with the sole bidder and to propose recommendations to the Executive Committee regarding Re-bidding on the approved Bidding Documents with refinement", for your information, record and further necessary action of the concerned please.

Best Regards!

Encl: Minutes of Meeting duly signed.


Project Director
Mujahidin HPP at Barandoo River
District Torghar, PEDO

Copy forwarded for information to:

1. PA to CEO, PEDO, Peshawar.
2. The Regional Head (North), ACE, Lahore.
3. Office Copy.


Project Director
Mujahidin HPP at Barandoo River
District Torghar, PEDO

MINUTES OF MEETING (MoM No. 17)

Procurement Committee Meeting held at the office of the Project Director, 6.95 MW Mujahidin Hydropower Project (HPP), for finalization of the **Price Bid Evaluation Report (P-BER)** based on negotiation with the sole bidder and to propose recommendations to the Executive Committee regarding re-bidding under multiple procurement options, on **February 04, 2026**.

The Chairman of the Project Procurement Committee, Project Director - 6.95 MW Mujahidin Hydropower Project, formally welcomed all members and participants to the meeting convened at the Project Office located in the NESPAK Building. The proceedings commenced in the name of Allah.

The Chair presented a brief overview of the Project status and informed the participants that the meeting had been convened to finalize the Price Bid Evaluation Report (P-BER) following negotiations with the sole bidder, and to formulate recommendations for submission to the Executive Committee regarding re-bidding under multiple procurement options. The forum was apprised of the bidder's price proposal, the outcome of the unsuccessful negotiations, and comparative assessment of available procurement strategies for re-bidding, with the objective of encouraging broader bidder participation and ensuring a competitive procurement process.

The Management Consultant's (MC) Contract Specialist joined the meeting via Zoom and presented three (03) procurement options (attached as **Annexure-A**), outlining the respective advantages and limitations of each.

Option No.1: Rebidding on EPC /Turnkey (Lump Sum Basis) as Single Contract

The currently approved Bidding Documents (BD) are based on this option.

Option No.2: Rebidding on EPC Lump Sum Basis with two Separate Contract Packages

This option is similar to the Option-1 except that Option-2 proposes sub-divisions of the works into following two contract packages:

Package-1: Weir, Channel, Tunnel, Colony, Access Road, and Gates.

Package-2: Powerhouse Access Road, Powerhouse (Civil Works), Penstock / manifold, Electro-Mechanical (E&M) Works, transmission & distribution system.

Option No.3: Rebidding with Two Contract Packages, i.e. Civil Works on Admeasurements Basis and E&M Works on EPC Basis

This option is generally implied on WAPDA Projects. This option proposes sub-divisions of the works into following two contract packages:

Package-1: Weir, Channel, Tunnel, Colony, Access Roads, powerhouse civil works, penstock and gates. The MC shall be responsible for the detailed design. The contractor shall be paid for actual work executed and measured.

Package-2: All Electro-Mechanical (E&M) Works, transmission & distribution system. The EPC contractor shall be responsible for the detailed design. The contractor shall be paid for actual work executed and plant supplied.

Key Deliberations:

1. The Chair emphasized that the Bidding Documents should be refined and the evaluation criteria rationalized to the extent necessary to ensure maximum bidder participation.
2. The MC's Contract Specialist recommended **Option-1**, suggesting that the approved bidding documents be refined and eligibility criteria made more flexible across all options to enhance competition.
3. The MC further observed that stringent evaluation criteria may not be the sole factor behind limited participation and proposed that PEDO arrange an engagement session with contractors to obtain market feedback and identify prevailing constraints. The proposal was welcomed by all participants.
4. The MC highlighted that the stringent Specifications for E&M equipment significantly influenced the challenges encountered during the bidding process.
5. The Chair responded that the anomaly in Specifications had already been removed through **Addendum No. 1**, and the Chinese manufacturers meeting the required standard were also considered. Even the sole bidder had quoted items of Chinese origin.
6. Representatives from PEDO Procurement & Contracts (P&C) stated that **Option-2** and **Option-3** were not considered feasible, as the approved PC-I and Bidding Documents are primarily based on the EPC mode. Adoption of these options could lead to implementation delays and introduce bidding, interface, technical, and administrative complexities. It was further noted that awarding one package while the other remains unawarded could jeopardize project execution. Accordingly, **Option-1** was proposed as the most viable approach, subject to comprehensive review and refinement of the Bidding Documents and



evaluation criteria. It was agreed that a follow-up meeting would be convened within the next week for further deliberation and refinement of the Bidding Documents.

7. The Director Planning, PEDO, observed that EPC-based bidding documents impose a significant financial burden and recommended consideration of **Option-3**, citing similar challenges faced in previous PEDO projects.
8. The Director Development, PEDO, raised concerns regarding **Option-1**, particularly questioning the practical measures through which bidder participation would be improved.
9. The Chair further noted that, under the currently approved Bidding Documents, only a limited number of bidders qualify under the eligibility and qualification criteria. Relaxation of these criteria is therefore expected to attract broader participation, as evidenced by the Mujahidin HPP bidding process wherein eleven (11) bidders purchased the Bidding Documents, but only one (01) submitted his bid.

Recommendations:

- I. The P-BER shall be finalized with recommendations to proceed with **re-bidding under the approved EPC framework**, incorporating necessary refinements to the Bidding Documents and rationalization of the evaluation criteria to ensure maximum participation and foster healthy competition.
- II. The Management Consultant shall revise the eligibility and evaluation criteria for review by PEDO P&C, following which the criteria shall be finalized jointly.

The meeting concluded with a vote of thanks from all participants.



Project
Director,
Mujahidin
HPP
PEDO



Team
Leader/Project
Manager
MC, MHPP



Representative from
Procurement &
Contracts,
PEDO



Representative from
Development
Directorate,
PEDO



Representative
from Finance
Directorate
PEDO



Procurement
Expert
MC, MHPI

List of participants is attached as **Annexure-B**.



PEDO
Pakhtunkhwa Energy Development Organization
Government of Khyber Pakhtunkhwa



Attendance Sheet

Meeting of the Procurement Committee on Price Bid Evaluation Report (P-BER).

“For the Construction of 6.95 MW Mujahidin Hydropower Project at
Barandoo River, District Torghar, KP”

Date: February 4, 2026
Time: 11:00 HRS

Sr. No.	Name	Designation	Department	Email	Contact No.	Signature
1	SHANBAZ KHAN	PD Mujahidin HPP	PEDO	pd.barandoo@ pedo.pk	0331-9361976 0300-5435076	
2	Sabir Khan	Contract Specialist	PEDO	—	0343 9833747	
3	ZIA-UR-REHMAN	Director Finance	PEDO	—	03339596387	
4	Said Nabi	Dir. (Planning)	PEDO	Saidnabi2006@ gmail.com	0333-9504743	
5	M. Ejaz Khan	Chief-Rep	ACE	—	03339536559	



PEDO
Pakhtunkhwa Energy Development Organization
Government of Khyber Pakhtunkhwa



Attendance Sheet

Meeting of the Procurement Committee on Price Bid Evaluation Report (P-BER).

“For the Construction of 6.95 MW Mujahidin Hydropower Project at
Barandoo River, District Torghar, KP”

Date: February 4, 2026
Time: 11:00 HRS

Sr. No.	Name	Designation	Department	Email	Contact No.	Signature
6	Junaid Iqbal	Director Dev	PEDO	—	—	
7	Ijaz Shrivastavi	TL/PM.	ACE (P/I) Ltd.	—	0300 5908538	
8	Imad Ali	AD Civil	Mujahidin WPP	engr.imad12@gmail.com	03339995772	
9	ZAIN UL-ARIFEN	AD (P&C)	PEDO	—	—	
10						

Annexure-J
Procurement Committee Meeting-Final Review of
P-BER



GOVERNMENT OF KHYBER PAKHTUNKHWA.
PAKHTUNKHWA ENERGY DEVELOPMENT ORGANIZATION

NESPAK House, 24/B-2 Phase-V, Hayatabad, Peshawar. Tele: +92-91-9217295. Email: pd.barandoo@pedo.pk



No. 3181-88/PEDO/Barandoo HPP

Dated: February 24, 2026

To the Procurement Committee:

- 1) Chief Engineer (Procurement & Contracts), PEDO,
- 2) Chief Engineer (Dev.), PEDO,
- 3) Director Finance, PEDO,
- ✓ 4) Team Leader/Project Manager, MC, Mujahidin HPP,
- ✓ 5) Contract Specialist/Procurement Expert, MC, Mujahidin HPP.

Project: **Construction of 6.95 MW Mujahidin HPP at Barandoo River, District Torghar, Khyber Pakhtunkhwa (ADP No. 293 (170368)).**

Subject: Final Review of Price Bid Evaluation Report (P-BER) - 6.95 MW Mujahidin HPP.

Reference: 1) MC MHPP office letter No. MHPP/3.2/102 Dated 23.02.2026
2) PD office Letter No. 3161-68/PEDO/Barandoo HPP Dated 20.02.2026

Dear Sir (s),

With reference to the Management Consultants (MC) letter cited at (1), wherein, the MC has requested an extension of the Procurement Committee (PC) meeting scheduled for February 24, 2026, it is observed that the revised Eligibility & Evaluation Criteria have not been furnished to date.

As the revised Eligibility & Evaluation Criteria constitute an essential prerequisite for informed deliberation and decision-making by the Procurement Committee, convening the meeting in their absence would not achieve its intended objectives.

Accordingly, as requested by MC, the PC meeting originally scheduled for February 24, 2026 vide letter at Reference (2), is hereby rescheduled to March 3, 2026, at 1100 hours at the Project office.

To ensure a conclusive and productive session, the presence of all esteemed Committee Members is kindly requested at the specified date, time, and venue please.

Best regards,


Project Director

Mujahidin HPP at Barandoo River
District Torghar, PEDO

Copy forwarded for information to:

1. PS to CEO, PEDO, Peshawar.
- ✓ 2. The Regional Head (North), ACE, Lahore.
3. Office Copy.


Project Director

Mujahidin HPP at Barandoo River
District Torghar, PEDO



PEDO
Pakhtunkhwa Energy Development Organization
Government of Khyber Pakhtunkhwa



Attendance Sheet
Meeting of the Procurement Committee on finalization of P-BER and Eligibility & Evaluation Criteria

“For the Construction of 6.95 MW Mujahidin Hydropower Project at Barandoo River, District Torghar, KP”

Date: March 03, 2026
Time: 11:00 HRS

Sr. No.	Name	Designation	Department	Email	Contact No.	Signature
01	Smansaz Khan	PD Mujahidin	PEDO	stak12112121@gmail.com	0331-9361976	
02	Zia ur Rehman	Director Finance	PEDO			
03	Ijaz Shinwari	TL/PM(MC)	ACE (Pvt) LTD.			
04	M. Shozib	DD (Geo)	PEDO			
05	Muhammad Khan	Contract Specialist	ACE			



PEDO
Pakhtunkhwa Energy Development Organization
Government of Khyber Pakhtunkhwa



Attendance Sheet
Meeting of the Procurement Committee on Finalization of P-BER and Eligibility & Evaluation Criteria

“For the Construction of 6.95 MW Mujahidin Hydropower Project at Barandoo River, District Torghar, KP”

Date: March 03, 2026
Time: 11:00 HRS

Sr. No.	Name	Designation	Department	Email	Contact No.	Signature
06	ZAIN UL ARIFEN	AD (PAC)	PEDO			
07	Engn Yaseer Farman	AD (PAC)	PEDO			
08	Imad Ali	AD Mujahidin hpp	PEDO	engr.imad12@gmail.com		
09						
10						

Annexure-K
Criteria for Evaluation of Technical Bids Pursuant to IB 26.2(c)(ii)

Mic

Eligibility of Bidders (IB-2 of the BDS)

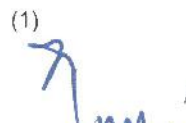
IB 2	Eligible Bidders
2.1 (a)	<ul style="list-style-type: none">i. A Local Bidder (JV Lead Partner) must be duly licensed by Pakistan Engineering Council (PEC) in "CA-No Limit" Category, Whereas, the other Local JV Partner (s) must be duly licensed by Pakistan Engineering Council (PEC) in "C-1" Category.ii. In the event, the bidder/JV becomes successful, the Foreign Firm shall register himself with PEC in relevant applicable category "FC-A" or "FC-1" prior to award of the Contract.iii. All the Local Firms must be registered with the Federal Board of Revenue (FBR) and Khyber Pakhtunkhwa Revenue Authority (KPRA) and shall preferably have 'Active' status as of the latest date for bid submission. In the case of registered firms with 'In-Active' status, the firm must register itself prior to the issuance of Letter of Award (LOA) if their bid becomes successful. Failure to do so shall lead to the rejection of their bids.iv. The Foreign Firms must register themselves with FBR & KPRA before award of the Contract.v. The local Sub-Contractor(s) for the design services must have valid PEC license for relevant category.


PD


PEC


DAR


PM/ME

(1)

Fin.


CS/ME

APPENDIX – 1
Criteria for Evaluation of
Technical Bids Pursuant
to IB 26.2 (c) (ii)






APPENDIX-1 TO BID DATA SHEET

Criteria for Evaluation of Technical Bids

This Attachment contains all the methods, criteria, and requirements that the Employer shall use to evaluate Technical Bids. The information to be provided in relation to each requirement and the definitions of the corresponding terms are included in the respective Forms/IBs/BDS.

Criteria for Evaluation of Technical Bids		Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)		Submission Requirements
			All Members Combined	Each Member	Lead Member	
1.1	Financial Capabilities	(i) The Bidder shall demonstrate that it has access to, or has available, liquid assets, unencumbered real assets, Project Specific lines of credit, and other financial means including Working Capital (independent of any contractual advance payment) sufficient to meet the construction cash flow requirements estimated as PKR 600 million for the subject contract net of the Bidder's other commitments.	Must meet requirement	Must meet requirement	N/A	Must meet 40 % [Forty percent] of the requirement Form B-10 & B-11 (a) & (b), with attachments.

(3)

Criteria for Evaluation of Technical Bids		Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)	Submission Requirements	
			All Members Combined	Each Member	Lead Member	
1.2	Average Annual Turnover	Minimum average annual turnover of PKR Four (04) billion within the last Five (05) years.	Must meet requirement	Must meet 25 %, [Twenty-Five percent] of the requirement	Lead Member Must meet 40 % [Forty percent] of the requirement	Form B-3 and /or B-4, with attachments. Submission of audited financial statements or, if not required by the laws of the Bidder's country, other financial statements acceptable to the Employer, for the last Five (5) years to demonstrate the current soundness of the Bidder's financial position. As a minimum, a Bidder's net worth for the last year, calculated as the difference between total assets and total liabilities, should be positive.

SP
R
(4)
m
m
m

Criteria for Evaluation of Technical Bids		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended)		Submission Requirements	
			Must meet requirement	All Members Combined	Each Member		Lead Member
2. Experience							
2.1	General Construction Experience	The bidder has completed at least Two (02) No's Civil Contracts in the role of Lead Contractor, JV member, subcontractor, or management contractor within: (i) the last Ten (10) years starting January 1, 2016.	Must meet requirement	Must meet requirement	N/A	Must meet requirement	Form B-5 (a), with attachments. Completion certificate issued by the Employers shall be attached as evidence.
2.2 (a)	Specific Construction & Contract Management Experience	A minimum number of Hydropower contracts that have been satisfactorily completed or substantially ¹ completed as a Lead Contractor, joint venture member ² , management contractor or subcontractor between January 1, 2006 and Bid submission deadline: (i) At least Two (02) Hydropower (03 MW each or higher) . OR (ii) At least One Hydropower (05 MW or higher) .	Must meet requirement	Must meet requirement	N/A	N/A	Form B-5 (b), with attachments. Completion or Substantial Completion certificate issued by the Employers shall be attached as evidence.

(5)

[Handwritten Signature]

[Handwritten Signature]

[Handwritten Signature]

Criteria for Evaluation of Technical Bids		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended) All Members Combined	Each Member	Lead Member	Submission Requirements
2.2 (b)	Specific Experience in Key Activities	<p>For the above and any other contracts [substantially completed and under implementation] as Lead Contractor, joint venture member, or sub-contractor between January 1, 2006 and Bid submission deadline, a minimum construction experience in the following key activities:</p> <p>Civil Works:</p> <p>(i) Bidder should have experience in the construction of Weir/dam, Tunnel and Powerhouse.</p> <p>Electro-Mechanical Works & HSS:</p> <p>(i) Bidder should have experience in the field of supply & installation of Penstocks, Slide/Radial Gates, Trash Rack, Turbines, Governors, Generators and allied systems including Testing & Commissioning.</p> <p>Transmission lines:</p> <p>(i) The Bidder has executed Transmission lines of at least ten</p>	<p>Must meet requirements; the requirement can be met through specialized sub-contractor(s)</p> <p>Must meet requirements; the requirement can be met through specialized sub-contractor(s)</p> <p>Must meet requirements; the requirement can be met through specialized sub-contractor(s)</p>	<p>Must meet requirements; the requirement can be met through specialized sub-contractor(s)</p> <p>Must meet requirements; the requirement can be met through specialized sub-contractor(s)</p> <p>Must meet requirements; the requirement can be met through specialized sub-contractor(s)</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>N/A</p> <p>N/A</p> <p>N/A</p>	<p>Completion or Substantial Completion certificate issued by the Employers along with the required forms shall be attached as evidence.</p> <p>Form B-5 (b), with attachments</p> <p>Form B-5 (b) & (c), B-6, B-7, & B-9, with attachments</p> <p>Form B-5 (b) & (c), B-6, B-7 & B-9, with attachments</p>

(6)







Criteria for Evaluation of Technical Bids		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended) All Members Combined	Each Member	Lead Member	Submission Requirements
		(10) KM with voltage range of 11 KV or above.	can be met through specialized sub-contractor(s)	can be met through specialized sub-contractor(s)	N/A	N/A	Form B-5 (b) & (c) with attachments
		Design Experience of Civil Works: (i) The Bidder should have designed and supervised the major civil works of one (01) Hydropower Project of 5 MW or higher OR Two (02) hydropower projects of 3 MW or higher.	Must meet requirements; the requirement can be met through specialized sub-contractor(s)	Must meet requirements; the requirement can be met through specialized sub-contractor(s)	N/A	N/A	Form B-5 (b) & (c), B-6, B-7 & B-9, with attachments
		Design & Manufacturing Experience of E&M: (i) The bidder must have Design & Manufacturing experience of the major components i.e., Francis Turbines, Shafts, Bearings, Governors, Generators and auxiliary equipment, Protection and C&I system etc. and supplied to at least one (01) Hydropower Project of 5 MW or higher OR Two (02) hydropower projects of 3 MW or higher, which are performing satisfactorily for at least the last three (3) years. (ii) The Manufacturer should submit the authenticated End User	Must meet requirements; the requirement can be met through specialized sub-contractor(s)	Must meet requirements; the requirement can be met through specialized sub-contractor(s)	N/A	N/A	

(7)  

Criteria for Evaluation of Technical Bids		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture (existing or intended) All Members Combined	Each Member	Lead Member	Submission Requirements
		Certificate confirming that the Plant and Equipment supplied by the Manufacturer is satisfactorily in operation. <u>Transmission lines:</u> (i) The Bidder has designed, and supervised Transmission lines of at least ten (10) KM with voltage range of 11 KV or above.	Must meet requirements; the requirement can be met through specialized sub-contractor	Must meet requirements; the requirement can be met through specialized sub-contractor	N/A	N/A	Form B-5 (b) & (c), B-6, B-7 & B-9, with attachments

- 1 Substantial completion shall be based on 80% or more works completed under the contract, which shall only be considered for the civil works.
- 2 For contracts under which the Applicant participated as a joint venture member or sub-contractor, only the Applicant's role and responsibilities shall be considered to meet this requirement.

Notes:

- a. For General Construction Experience, Specific Construction and Contract Management Experience and Specific Experience in Key Activities, the bidder shall submit authenticated documentary evidence which include Completion/ Substantial Completion and End User Certificate, where applicable.
- b. The specialized Sub-Contractor or Manufacturer, if proposed by the Bidder, must meet the criteria of the Bidder for their relevant part as specified in the Appendix-I to the BDS.
- c. It is the legal entity or entities comprising the applicant and not the applicant's parent companies, subsidiaries, or affiliates that must satisfy the qualification criteria.
- d. The Financial requirements are not applicable for Designer partner of the JV and Specialized Subcontractor.
- e. For local specialized Subcontractor, the PEC registration is mandatory.

Signature
13/07/26

(8)
Signature

Signature

Signature