



Date: April 23, 2024

**ADDENDUM NO.04 TO THE BIDDING DOCUMENTS**

**Package- 2 – E&M Works- Turbines, Generators, Electrical System, Switchyard  
and Power Evacuation – (Rebidding)**

**For**

**GABRAL KALAM HYDROPOWER PROJECT**

(Ln. /Cr # IBRD-91640; IDA-67790)

CONTRACT NO: PK-PEDO-370110-CW-RFB

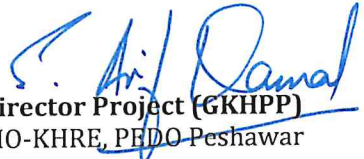
KHYBER PAKHTUNKHWA HYDROPOWER RENEWABLE ENERGY DEVELOPMENT (KHRE)

The following amendment through this **Addendum No. 4** is being made in pursuance of Clause 8 **“Amendment of Bidding Document”** of the Instructions to Bidders (ITB), Part – 1 of the Bidding Documents:

S#	Reference & Subject	RFB Requirement	Amendment through Addendum-04
1	Sub-Clause 11.2 (i) of Instructions to Bidders (ITB), Section II – Bid Data Sheet (BDS)  <b><u>“Additional Documents required in Technical Part of Bid”</u></b>	The Bidder shall submit the following additional documents in the Technical Part of its Bid:  <b>i. Code of Conduct for Contractor’s Personnel (ES)</b> The Bidder shall submit its Code of Conduct that will apply to the Contractor’s Personnel (as defined in GCC Sub- Clause 1)..... ..... to take into account specific Contract issues/risks.  <b>ii. Management Strategies and Implementation Plans (MSIP) to manage the (ES) risks</b>  The Bidder shall submit Management Strategies and Implementation Plans (MSIPs) to manage..... that includes the agreed Management Strategies and Implementation Plans described here.  <b>iii. Bids submitted by a JV shall include a copy of the Joint Venture</b>	The following para (iv) is added before the last paragraph <i>“In addition to hard copies, the bidders shall submit a full..... the original hard copy shall prevail.”;</i>  <i><u>“iv. Documentary evidence such as (i) Completion and Operational Acceptance Certificates for completed contracts and (ii) Letter of Acceptance/Contract Agreement for ongoing contracts, for the contracts proposed by the bidder in Forms Exp 4.1, 4.2 (a), (b) &amp; (c).”</u></i>

S#	Reference & Subject	RFB Requirement	Amendment through Addendum-04
		<p>Agreement entered into by all members. Alternatively, ..... and several liability to the Employer for the execution of the entire Contract.”</p> <p>In addition to hard copies, the bidders shall submit a full scanned PDF copy of the Technical Part of their bids, in a flash memory stick. In the case of discrepancy between the hard copies and the soft copies, the original hard copy shall prevail.</p>	
2	<p>Sub-Clause 23.1 of Instructions to Bidders (ITB), Section II – Bid Data Sheet (BDS)</p> <p><b><u>“Deadline for Submission of Bids”</u></b></p>	<p>The deadline for Bid submission extended through Addendum 03:</p> <p>Date: <b>May 02, 2024</b> Time: <b>1430 hours PST</b></p>	<p>The deadline for Bid submission is:</p> <p>Date: <b>May 17, 2024</b> Time: <b>1430 hours PST</b></p>
3	<p>Sub-Clause 26.1 of Instructions to Bidders (ITB), Section II – Bid Data Sheet (BDS)</p> <p><b><u>“Public Opening of Technical Parts of Bids”</u></b></p>	<p>The deadline for Bid opening extended through Addendum 03:</p> <p>Date: <b>May 02, 2024</b> Time: <b>1430 hours PST</b></p>	<p>The opening of Bids is on:</p> <p>Date: <b>May 17, 2024</b> Time: <b>1430 hours PST</b></p>
4	<p>Section IV -Bidding Forms</p> <p><b>ES Management Strategies and Implementation Plans (ES-MSIP)</b></p> <p>On page # 85 of Part 1- Bidding Procedures</p>	<p>The Bidder shall submit comprehensive and concise Environmental and Social Management Strategies and Implementation Plans (ES-MSIP) as required by ITB 11.1 (j) of the Bid Data Sheet. These strategies and plans shall describe in detail the actions, materials, equipment, management processes etc. that will be implemented by the Contractor, and its subcontractors.</p> <p>In developing these strategies and plans, the Bidder shall have regard to the ES provisions of the contract including those as may be more fully described in the Employer's Requirements in Section VII.</p>	<p>The ITB reference of 11.1(j) in this form is replaced with the following;</p> <p><b><u>“ITB 11.2 (i) – ii of the BDS”</u></b></p>

S#	Reference & Subject	RFB Requirement	Amendment through Addendum-04
5	<b>PART 2- EMPLOYER'S REQUIREMENTS</b>  Section VII (d) – Tender Drawings	-	12kV Single Line (SLD) for weir site is added to the Tender Drawings bearing the <b>Drawing No. GK-COB-ELC-004-01</b> , which is attached as Annex-I to this Addendum.

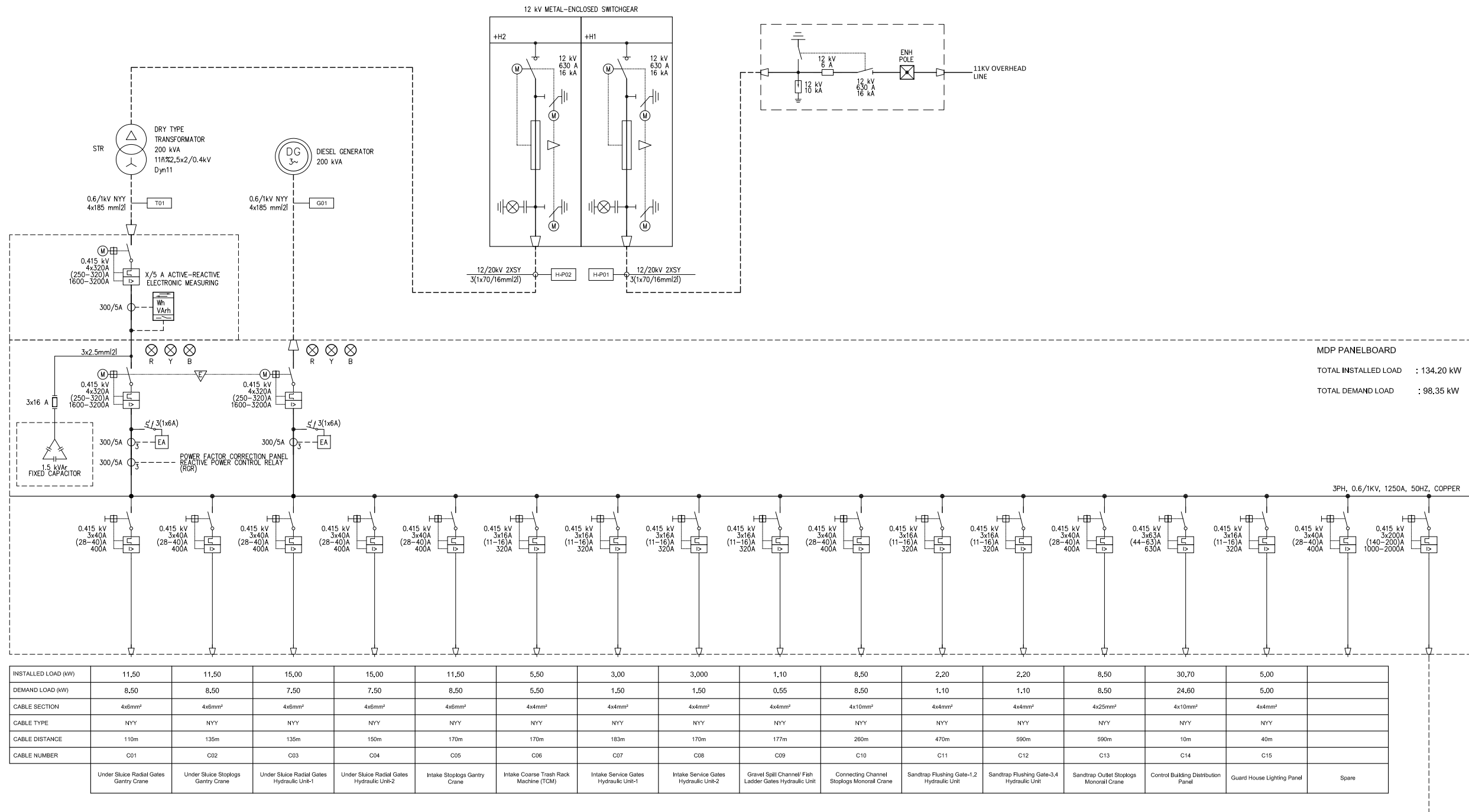
  
**Director Project (GKHP)**  
 PMO-KHRE, PEDQ Peshawar

**Enclosed: Annex-I (Drawing bearing No. GK-COB-ELC-004-01)**

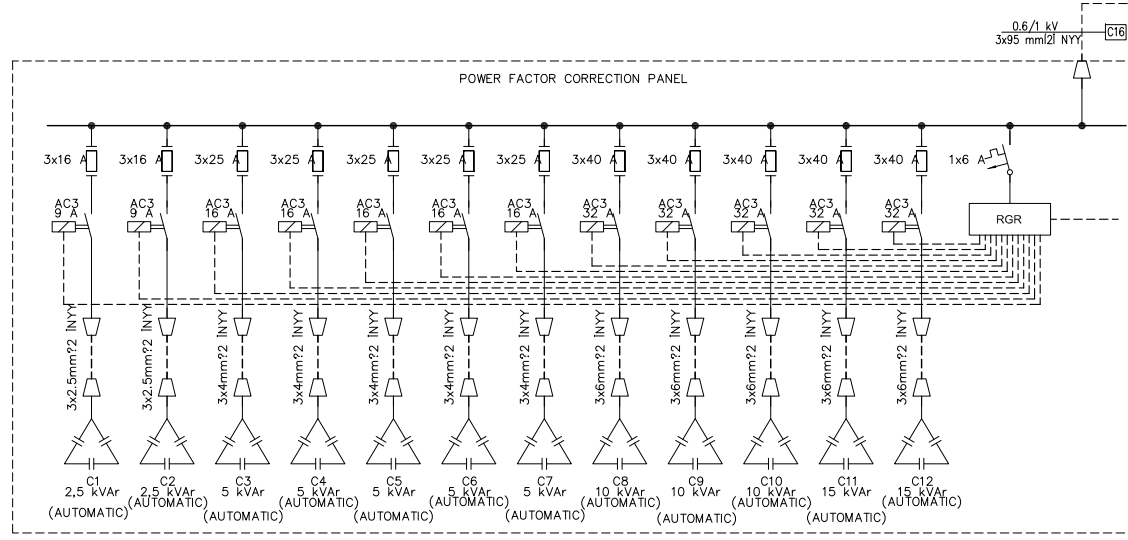
## **Annex-I to this Addendum No.4**

### **PART 2 – EMPLOYER’S REQUIREMENTS Section VII (d) – Tender Drawings**

- i. 12kV Single Line (SLD) for weir site      **(Drawing bearing No. GK-COB-ELC-004-01)**



	C01	C02	C03	C04	C05	C06	C07	C08	C09	C10	C11	C12	C13	C14	C15	
INSTALLED LOAD (kW)	11.50	11.50	15.00	15.00	11.50	5.50	3.00	3.000	1.10	8.50	2.20	2.20	8.50	30.70	5.00	
DEMAND LOAD (kW)	8.50	8.50	7.50	7.50	8.50	5.50	1.50	1.50	0.55	8.50	1.10	1.10	8.50	24.60	5.00	
CABLE SECTION	4x6mm²	4x6mm²	4x6mm²	4x6mm²	4x6mm²	4x4mm²	4x4mm²	4x4mm²	4x4mm²	4x10mm²	4x4mm²	4x4mm²	4x25mm²	4x10mm²	4x4mm²	
CABLE TYPE	NYY	NYY	NYY	NYY	NYY	NYY	NYY	NYY	NYY	NYY	NYY	NYY	NYY	NYY	NYY	
CABLE DISTANCE	110m	135m	135m	150m	170m	170m	183m	170m	177m	260m	470m	590m	590m	10m	40m	
CABLE NUMBER	C01	C02	C03	C04	C05	C06	C07	C08	C09	C10	C11	C12	C13	C14	C15	
	Under Sluice Radial Gates Gantry Crane	Under Sluice Stoplogs Gantry Crane	Under Sluice Radial Gates Hydraulic Unit-1	Under Sluice Radial Gates Hydraulic Unit-2	Intake Stoplogs Gantry Crane	Intake Coarse Trash Rack Machine (TCM)	Intake Service Gates Hydraulic Unit-1	Intake Service Gates Hydraulic Unit-2	Gravel Spill Channel/ Fish Ladder Gates Hydraulic Unit	Connecting Channel Stoplogs Monorail Crane	Sandtrap Flushing Gate-1.2 Hydraulic Unit	Sandtrap Flushing Gate-3.4 Hydraulic Unit	Sandtrap Outlet Stoplogs Monorail Crane	Control Building Distribution Panel	Guard House Lighting Panel	Spare



**CAPACITOR BANK CAPACITY CALCULATION**  
 INSTALLED LOAD : 160.0kW  
 COS Q1 : 0.8  
 COS Q2 : 0.98  
 k : 0.55  
 N : 160.00 x 0.55 = 87.51 kVAr  
 REQUIRED : 90 kVAr  
 2x2.5 kVAr + 5x5 kVAr + 3x10 + 2x15 kVAr

**FOR BIDDING ONLY**

**AMENDMENT**

Rev.	Particulars	Designed	Checked	Approved

CLIENT	PROJECT IMPLEMENTATION CONSULTANTS	PROJECT NAME	REFERENCES (SEE GENERAL NOTES - 0-TITLE BOX)	SHEET CONTENTS
		<b>DETAIL DESIGN REVIEW OF GABRAL-KALAM HYDROPOWER PROJECT (PACKAGE-I)</b>	DRAWN BY: NABI AMIN DESIGN BY: FARHAN AZFAR CHECKED BY: CENGIZ ARAS APPROVED BY: BHUBAN PRASAD DHAKAL DRAWING NO: GK-COB-ELC-004-01 REVISION: ***** DATE: JUNE, 2022 SCALE:	<b>PACKAGE-1</b> <b>415V AC POWER SUPPLY SINGLE LINE DIAGRAM FOR WEIR SITE</b>