

# PRESENTATION I: NJHEP General Orientation

Mr Azam Joya Mr Usman-e-Ghani

24 April 2024





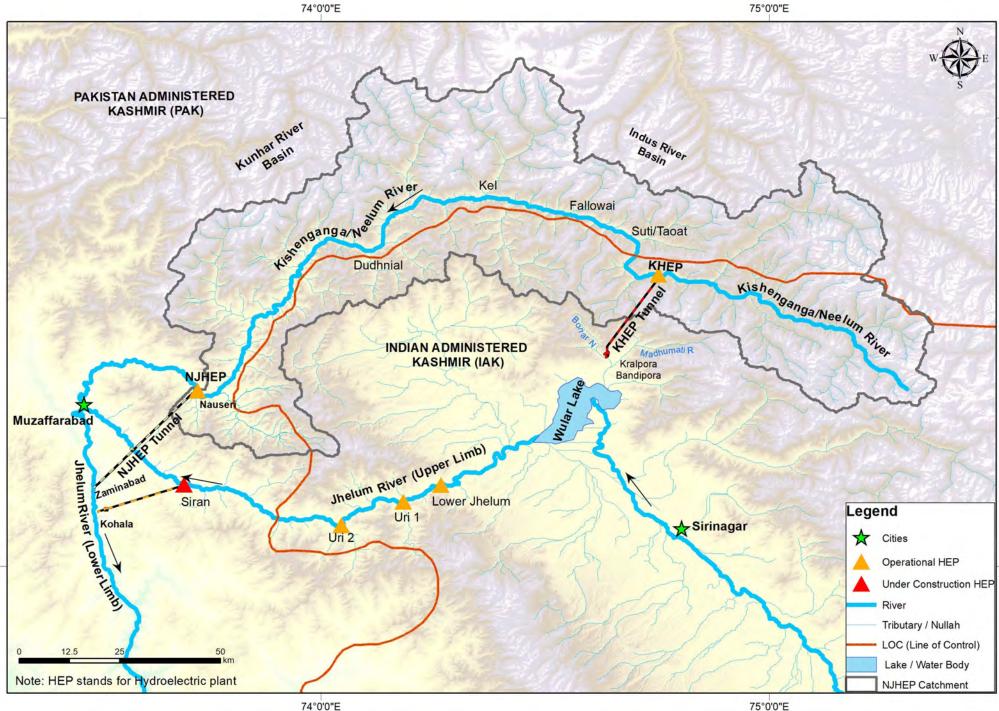
#### Purpose of the site visit

- The **Neelum Jhelum Hydroelectic Plant** ('NJHEP') is a Pakistani Run-of-River hydro-electric plant ('HEP'). As such, it is not covered by the Indus Waters Treaty and is not subject to the design, construction and operational constraints of Part 3 of Annexure D of the Treaty.
- Procedural Order No 10 makes clear that the purpose of the site visit is solely to familiarize the Court "with general aspects of the design and operation of run-of-river hydroelectric plants along the Indus system of rivers" (¶ 1.1). It "is not to establish the facts specific to any such Indian run-of-river hydro-electric plant" (¶ 1.2) or "to receive any information that seeks to apply facts to the Treaty, or otherwise seeks to interpret the Treaty" (¶ 1.3).
- Pakistan affirms its appreciation of the Court's direction that the site visit "is not an opportunity for the Parties to make written or oral submissions outside of [the Court's pleading] schedule" (¶ 1.3) and has instructed the members of its delegation to this effect (¶ 1.4).
- Insofar as the presentations refer to features of the NJHEP, they do so simply for purposes of addressing and illustrating points of Run-of-River hydro-electric plant design and operation relevant to the site visit purpose.
- The Site Experts cannot and do not speak to Pakistan's case in the proceedings before the Court and are not in a position to offer informed interpretations of the Treaty. The presentations are intended to be neutral, succinct and objective technical presentations.





## NJHEP overview





35°0'0"N

34°0'0"N

# Situating the NJHEP

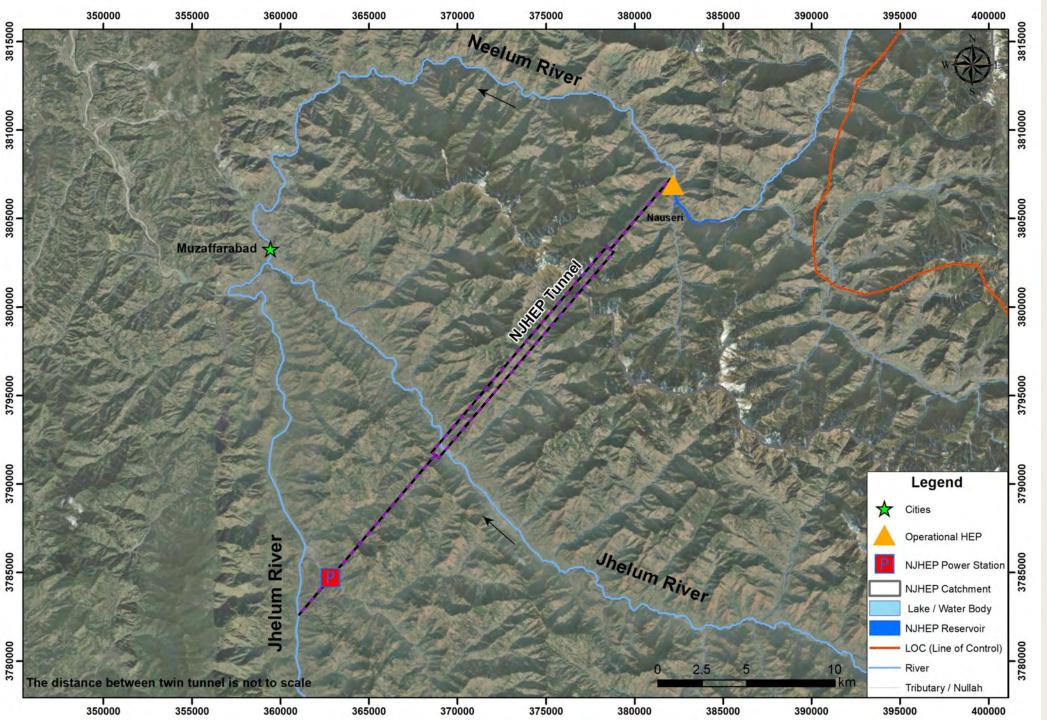
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35°0'0"N

34°0'0"N



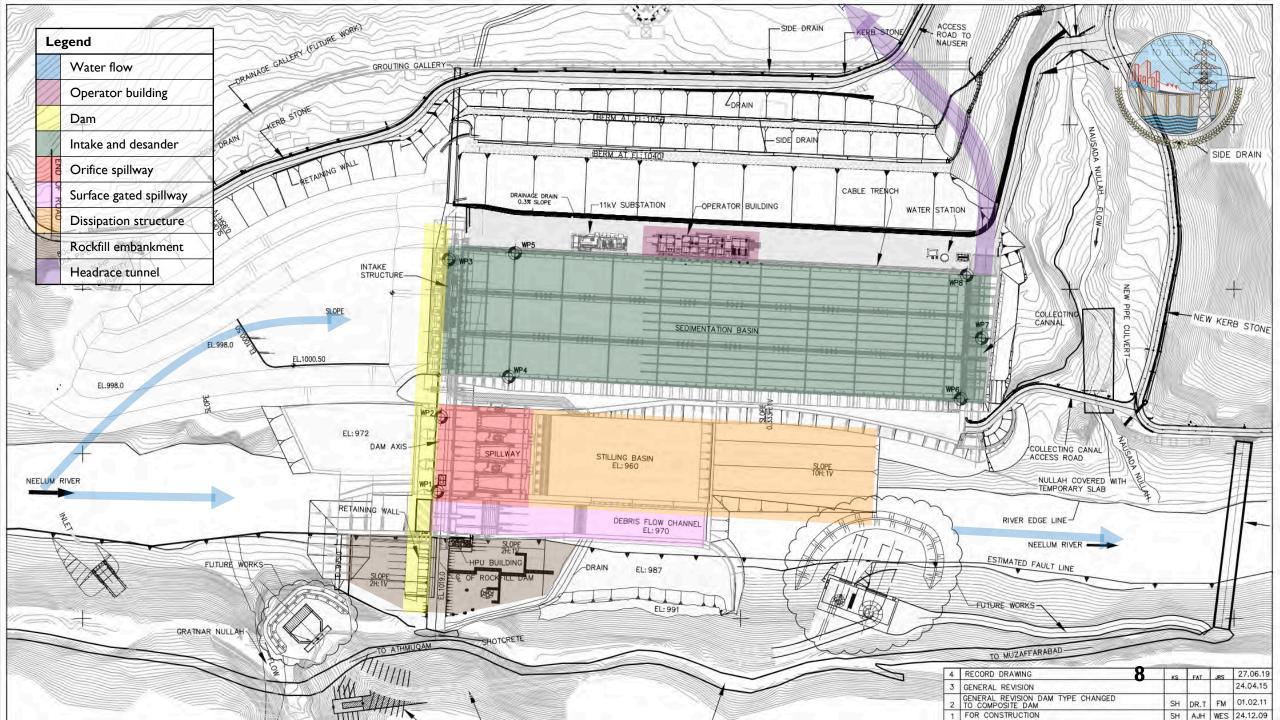








# NJHEP headworks



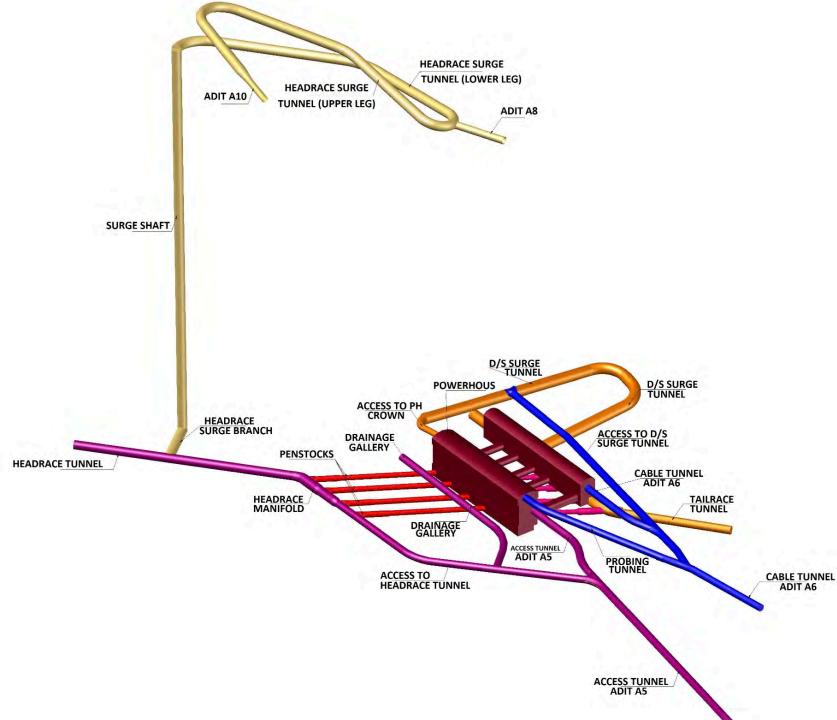
# Upstream view





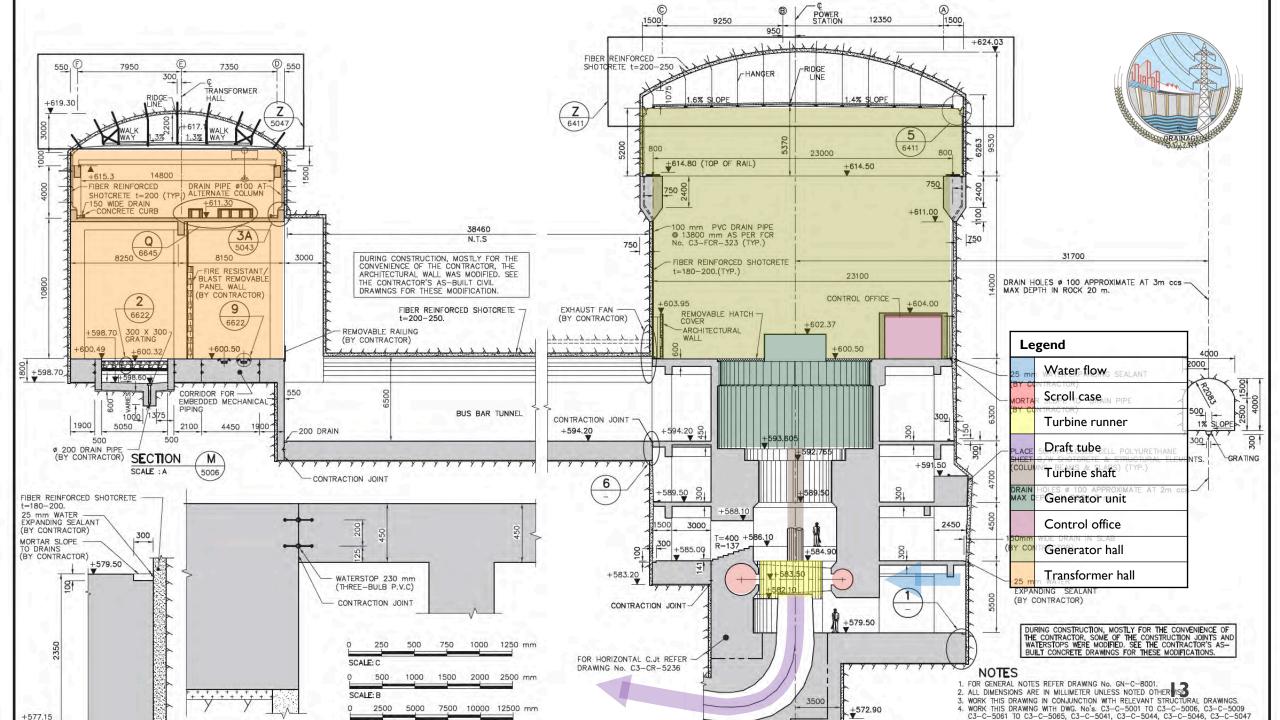


# NJHEP powerhouse site





# NJHEP powerhouse layout







# NJHEP switchyard

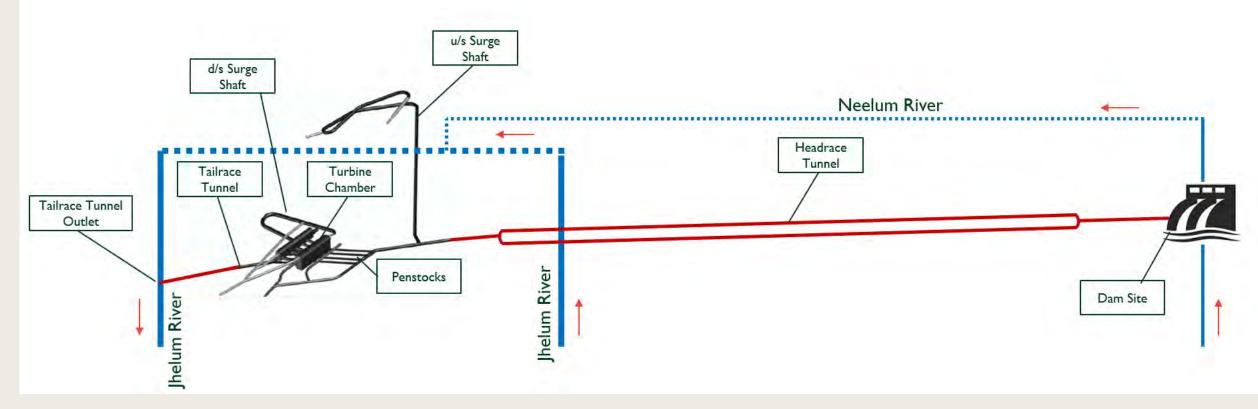




# NJHEP tailrace discharge



## NJHEP hydraulic profile





## NJHEP tunnelling





# Site visit itinerary



Time	ltem	
[TTBA]	<b>Presentation I: NJHEP General Orientation</b> I hour; Pearl Continental conference room	Day 2 24 April 2024
[TTBA]	<b>Presentation 2: HEP design, construction and operation</b> 1.5 hours; Pearl Continental conference room	
[TTBA]	COA notification of (additional technical questions) and/or points of special interest for purposes of site visit arrangements	

Time	ltem
8:00	Depart Pearl Continental for NJHEP dam site
9:30	Arrive at NJHEP dam site
9:45	<b>Presentation 3: General site orientation</b> I hour; NJHEP dam/reservoir
10:45	Coffee break
11:15	<b>Presentation 4: Overview of dam site physical location elements</b> I.5 hours; NJHEP conference room
12:45	Lunch break
13:30	Presentation 5: Run-of-River HEP basics (I) I hour; NJHEP conference room
14:45	<b>Presentation 6: Run-of-River HEP basics (II)</b> I hour; NJHEP conference room
15:45	Coffee break
16:00	<b>Presentation 7: Site inspection</b> 2 hours; NJHEP dam and reservoir
18:00	Depart NJHEP dam site for Pearl Continental



Day 3

25 April 2024

Time	ltem
9:15	Depart Pearl Continental for NJHEP powerhouse
10:15	Arrive at NJHEP powerhouse
10:30	Presentation 8: General site orientation 30 minutes; Powerhouse
11:00	Coffee break
11:30	<b>Presentation 9: Dam–powerhouse basics</b> 1.5 hours; Powerhouse conference room
13:00	Lunch break
13:45	Presentation 10: Power production I hour; Powerhouse conference room
14:45	Presentation 11: Site inspection 1.5 hours; Powerhouse
16:30	Opportunity for on-site COA internal deliberations
17:00	COA questions and directions for Day 5 agenda
17:30	Depart Powerhouse for Pearl Continental



### Day 4 26 April 2024



Time	ltem	
[TTBA]	Return visit to dam/reservoir and/or Powerhouse as directed by COA	Day 5
[TTBA]	COA directed Q&A to Site Experts	27 April 2024



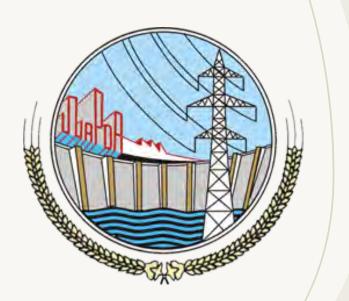
Time	Item	
I 3:00	Absent contingency, depart Muzaffarabad for Islamabad	Day 6
I 7:00	Arrive in Islamabad and check-in at Serena	Day
-	PCA meeting with GOP Agent, Lead Counsel and GOP Liaison to address any outstanding administrative issues and Day 8 airport transfer	28 April 2024
	arrangements	Contingency Day



Time	ltem	Day 7
I 3:00	Absent contingency, depart Muzaffarabad for Islamabad	Day 7
17:00	Arrive in Islamabad and check-in at Serena	
-	PCA meeting with GOP Agent, Lead Counsel and GOP Liaison to address	29 April 2024
	any outstanding administrative issues and Day 8 airport transfer arrangements	Contingency Day II



Time	ltem	Day 9
-	Airport transfers from Serena to be arranged by GOP Liaison	Day 8
		29 April 2024



## Site visit

presenters













