

एसजेवीएन अरुण-3 पावर डवलपमेंट कंपनी प्रा. लि.
SJVN Arun-3 Power Development Company Pvt. Ltd.

(एसजेवीएन की पूर्ण स्वामित्व वाली अधीनस्थ कंपनी)

(A wholly owned subsidiary of SJVN)

900 मेगावाट अरुण-3 जलविद्युत परियोजना

900 MW Arun-3 Hydro Power Project

Regd. No.: 111808/69/070



Clarifications No. I

Subject: (PCD-274/2025) “Supply, Installation, Monitoring, Data Analysis and Routine Maintenance of Geo-technical instruments of the outfall slope of Arun-3 HEP, including monitoring and analysis of already installed geotechnical instruments in PH complex, BVC and Surge Shaft”.

Sr. No.	Existing Provision in Bid document	Summary of Clarifications Requested	Response/ Comments
1.	DETAILED SCOPE OF WORK 1. Scope of Work, b. Installation	<p>We request you to kindly share the detailed schedule for drilling and installation of instruments. Additionally, we request the cable routing plan along with relevant drawings.</p> <p>We request that a provision be made for compensation towards idling of manpower and machinery arising due to non-availability of site or clearance, due to no fault of the contractor.</p>	<p>The completion schedule for drilling and installation of the geotechnical instruments has been specified in bid document.</p> <p>Location and Quantity wise Instruments (tentative) under the scope of work is appended as Appendix-A.</p> <p>The cable route plan shall be finalized during execution, based on prevailing site conditions.</p> <p>With respect to compensation for idling of manpower and machinery due to non-availability, the existing provisions of the contract shall prevail.</p>

2.	DETAILED SCOPE OF WORK 1. Scope of Work, c. Monitoring, Data Analysis & Routine maintenance	Please provide No. and Type of already installed instrument along with their current working and non-working conditions.	Approximately 105 geotechnical instruments are currently available for monitoring. (ref. Appendix-A) MPBX & Load Cell, VW-type Piezometers, Joint Meters, and Shotcrete Stress Cells have been installed.
3.	DETAILED SCOPE OF WORK 1. Scope of Work, c. Monitoring, Data Analysis & Routine maintenance	Whether maintenance is required or only monitoring is required. If maintenance is required then who will rectify/provide/replace the spares if any required for making it functional during contract period. Who shall be held responsible if any instrument becomes non-functional during contract period? Please explain.	Both Monitoring and Routine Maintenance are required. The routine maintenance shall cover the repairs of connecting cable, installation & reinstallation of cables if required. In addition, regular inspection and problem identification of non-functional instruments, if any during contract period. As per the contract provisions, the contractor is responsible for the monitoring and maintenance of all functional geotechnical instruments during contract period.
4.	DETAILED SCOPE OF WORK Installation	It was confirmed by SAPDC during the pre-bid meeting that no drilling is required in underground areas and all locations for drilling / installation are in open areas. We request written confirmation of the same.	As per the scope of work, no drilling is required in underground areas. However, during the Contract period if requirement arises, same shall be dealt as per the Contract provisions.

For & on the behalf of SAPDC


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Tentative Location and Quantity of Instruments as per Design Drawings											
S. No.	Description of Items	Bench EL 595m	Bench EL 585m	Bench EL 575m	Bench EL 565m	Bench EL 555m	Bench EL 545m	Bench EL 536m	Bench EL 526m	Pit Bottom EL 513.6m	Total
1	VW Anchor Load Cell (Rock bolt)	2	2		2	4	4				14
2	Multi Point Borehole Extensometer (Vibrating Wire)				2	4	4				10
3	Inclinometer		1	2	1		1				5
4	Piezometer		1	2	1		1	1		1	7
5	Bi-reflex Target	10	20	5	10	10	20	20	15		130
6	Joint meter Linear								5	5	10
Grand Total of Instruments											176
* 20 nos of Bi-reflex targets will be used in cut slopes/benches developed during old proposal above the C-D road.											
The locations and quantities of existing Geotechnical Instruments.											
S. No.	Description of Items	Machine Hall	Transformer Hall	BVC	Surge Shaft	Total					
1	MPBX (Electro-mechanical)	20	11	15		46					
2	Piezometer	2			2	4					
3	Rib Load Cell		6			6					
4	Rock bolt load cell	18	10	14		42					
5	Strain bar	2				2					
6	Shotcrete stress cell	2				2					
7	Joint meter	3				3					
Total						105					



Sunil Singh Sr. Manager (Geo)


MAHESH DUTT
DGM/HOD (Geo)