

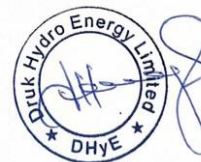
RFQ No. DHyE/CO/CPD/18/2023/1145 and RFQ No. DHyE/CO/CPD/18/2023/1146

Clarifications to the Queries of the Applicants for the Request for Qualifications for issue of Bidding Documents for the Main Civil Contract Packages of 90 MW Jomori HPP, 54 MW Gamri-I HPP and 26 MW Druk Bindu HPP.

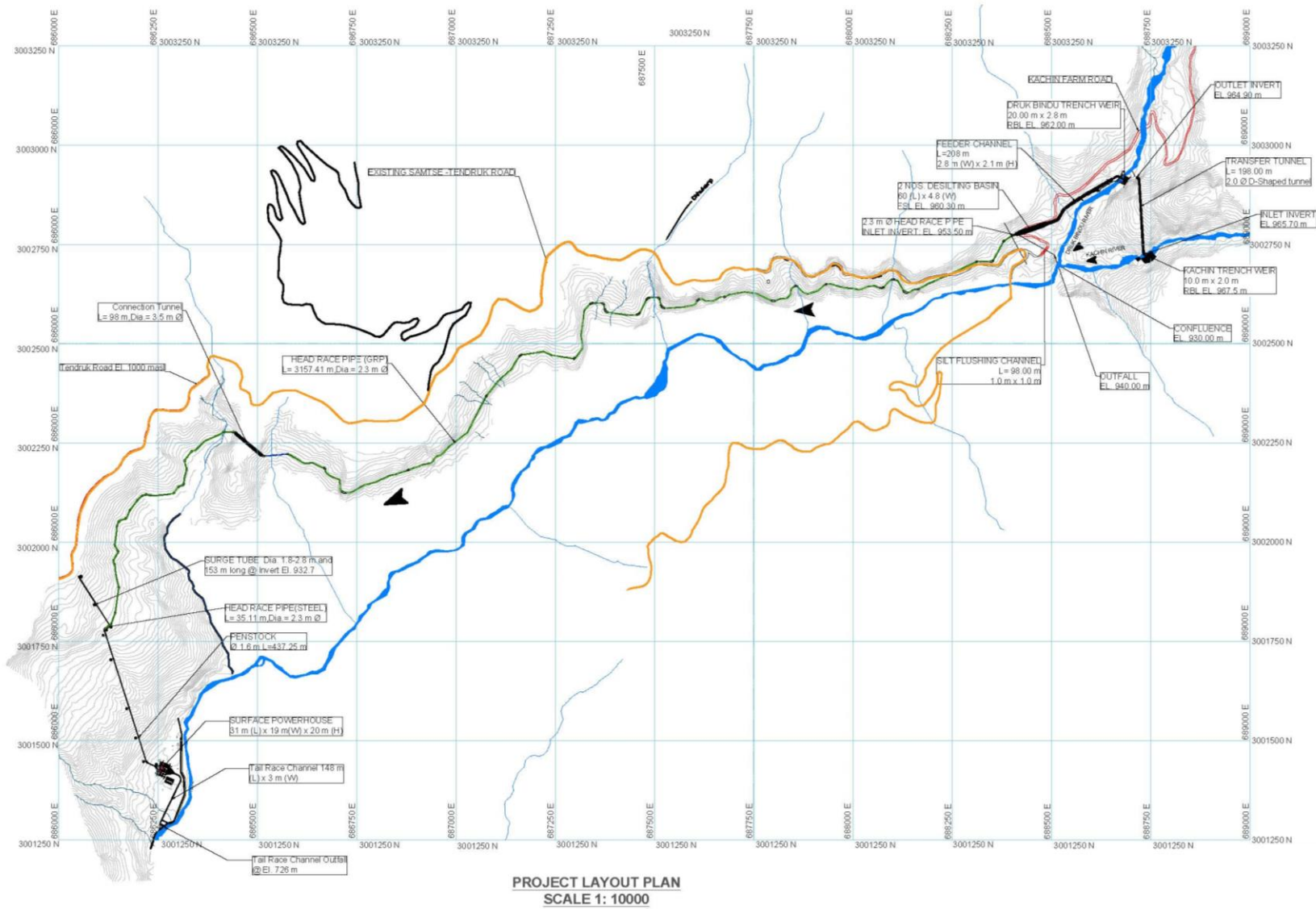
SN	Applicants Queries	DHyE Clarifications
1	Are there any specific numbers of experience required (It is not mentioned) and any specific amount of average turnover. Need some detailed information if there is any.	<p>Regarding the specific numbers of experience</p> <p>For RFQ-A the requirement is clear at SECTION-3, under Evaluation Criteria, at Sl. No. 2 “Technical Capability of the Firm”.</p> <p>For RFQ-B, the requirement is clear at SECTION-3, under Evaluation Criteria, at Sl. No. 1.3 “Work Credentials”.</p> <p>Specific Amount of average turnover</p> <p>Kindly mention the annual turnover as per the formats provided at Format f) under SECTION 4 for RFQ-A and as per Format 4.4.1 under SECTION -4 of RFQ-B along with the financial statements.</p>
2	Can we hire international/foreign manpower for this Project.	<p>Yes, during the execution of works restricted skilled workers that are locally unavailable.</p> <p>For the present assessment purpose, only Bhutanese manpower shall be considered.</p>
3	We would like to know if we can use hired machinery and if you would accept unaudited financial statements for the year 2023.	<p>Kindly refer the Format g), iv page 32 at SECTION-4 of the RFQ-A and Format 4.5.3 at page 33 of SECTION-4 of the RFQ-B.</p> <p>It is clearly mentioned that Documentary evidence of ownership is required to be submitted. Assessments shall be done for the owned machineries/equipment.</p> <p>Unaudited financial statement shall not be accepted.</p>
4	We would like to request you to kindly give us General Layout drawings.	To be provided as attachment to this Clarification.



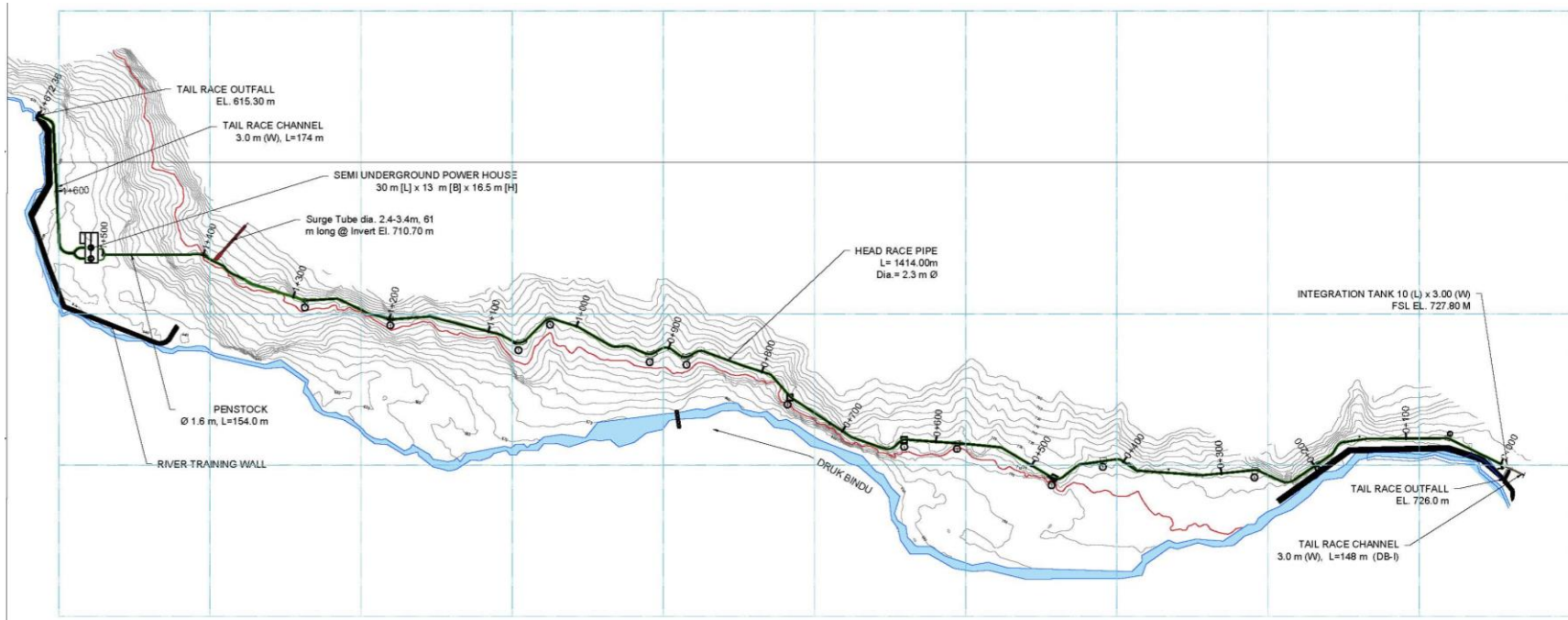
5	Brief scope and volume of the works (BoQ, if available) for the civil Packages (DBCPP & GCP-2) may be provided so that the key equipment & personnel identification / mobilization and infrastructure setup required for the project can be plan accordingly	Shall be shared at the Bidding Stage.
6	As per the salient feature of the Project for Druk Bindu- I & II, Transfer Tunnel (198m) and Connection Tunnel (98m) has been indicated. It may be clarified that if these are underground tunneling works and if so, will it be included in the scope of works under this civil Package? In the equipment/ personnel may also be specified.	Yes. The requirement shall be provided during bidding stage
7	Further, two types of power House has been indicated viz. (i) Surface Power House & (ii) Semi- Underground Power House. The actual construction methodology for the Pre Engineered Buildings (PEB) will be incorporated in the Power House Building.	The detailed specifications shall be elaborated in the Bidding Stage.
8	Topography and other geographical data available for the Project may also be provided in order to make proper planning of Infrastructure Set-ups and resources planning.	Not relevant at this RFQ stage.
9	Tentative Time Duration Cost Estimate of the Project may be shared for planning financial & investment fudding.	Not relevant at this RFQ stage.
10	It may be clarified/confirmed whether Hydro-Mechanical works (Head Race Pipe, Surge Tube, Penstock, etc.) will or not be in the scope of these Civil packages. If such works are not included, the scope and volume of Civil Works to be executed under these items may be specified.	Main Hydro-Mechanical works like gates and penstock shall not be under this civil package. However interfacing works are envisaged.
11	Any other Project Data which may assist in developing a Comprehensive Project Execution Plan. The data and information to above queries/ clarifications shall determine in formulating a comprehensive plan for: ➤ Management & project execution team planning including ✓ Identification of the number of departments and units/wings under each department, ✓ Key position identifications workforce recruitment planning, ✓ Equipment requirement & mobilization planning, tools & plant ✓ Infrastructure setup plans for the above and Investment funding planning thereof.	Not relevant at this RFQ stage.



Annexure 1-1: Project Layout

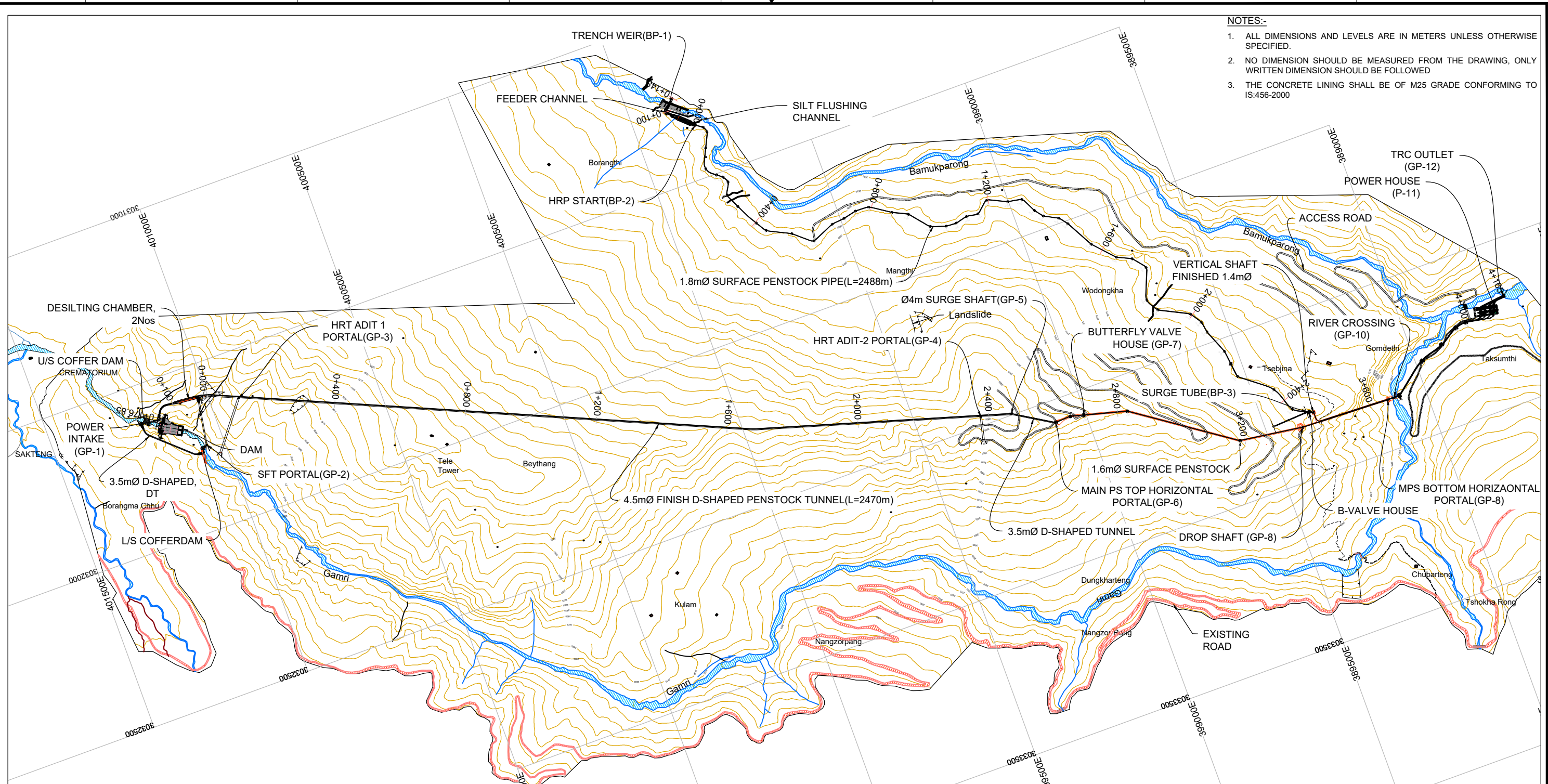


Annexure 1-1: Project Layout



GENERAL LAYOUT PLAN
SACEL1:4000

- NOTES:-**
1. ALL DIMENSIONS AND LEVELS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
 2. NO DIMENSION SHOULD BE MEASURED FROM THE DRAWING, ONLY WRITTEN DIMENSION SHOULD BE FOLLOWED
 3. THE CONCRETE LINING SHALL BE OF M25 GRADE CONFORMING TO IS:456-2000



SETTING OUT DETAILS GAMRI (IN UTM)

Sl.	DESCRIPTION	EASTING	NORTHING	ELEVATION(M)
GP1	POWER INTAKE	392667.48	3031624.45	2900.00
GP2	SFT PORTAL	392553.76	3031745.52	2609.00
GP3	HRT ADIT 1 PORTAL	392413.74	3031644.03	2898.17
GP4	HRT ADIT 2 PORTAL	390303.22	3024472.55	2876.02
GP5	SURGE TUBE	390212.53	3032496.83	2876.50
GP6	MAIN PS TOP HORIZONTAL PORTAL	390095.81	3032566.63	2869.50
GP7	B-VALVE HOUSE	390006.59	3032575.40	2855.30
GP8	DROP SHAFT	389392.20	3032838.74	2600.00
GP9	MPS BOTTOM HORIZONTAL PORTAL	461921.57	3022617.35	2328.20
GP10	RIVER CROSSING	389096.89	3032849.48	2828.51
GP11	POWER HOUSE CENTER	388708.73	3032706.24	2276.00
GP12	TRC OUTLET	388679.64	3032673.10	2278.70

GENERAL LAYOUT PLAN

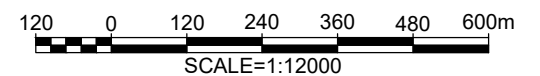
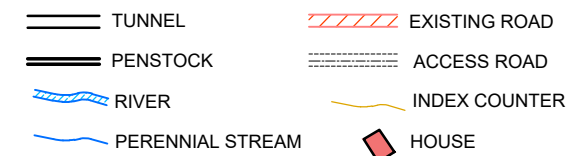
SCALE 1:12000

SETTING OUT DETAILS BAKMUPURANG (IN UTM)

Sl.	DESCRIPTION	EASTING	NORTHING	ELEVATION(M)
BP1	TRENCH WEIR	390868.10	3031250.23	2619.60
BP2	HRP START	390818.67	3031338.52	2613.10
BP3	SURGE TUBE	389362.79	3032799.29	2590.20
BP4	B-VALVE HOUSE	389357.22	3032801.95	2590.15
BP5	DROP SHAFT	389344.87	3032807.85	2587.00

GAMRI DAM AXIS (IN UTM)

Sl.	DESCRIPTION	EASTING	NORTHING	ELEVATION(M)
DL	DAM AXIS LEFT	392652.20	3031624.26	2915.00
DR	DAM AXIS RIGHT	392674.37	3031663.22	2915.00



FOR FS REPORT

Consultant: Druk Green Consultancy		Owner: Druk Green Power Corporation Ltd.	
Date: August, 2023	Revised date:	Project: 40 MW GAMRI- I & 14 MW BAMUKPARONGCHUU HP TRASHIGANG, BHUTAN	
Designed: L.Dhungyel	Verified: T.Dorjee	Title: GENERAL PROJECT LAYOUT PLAN	
Reviewed: D.Singer	Approved: C.Tenzin	Drawing No.:	
Drawn: S.Tenzin	Scale: AS SHOWN	GHP-CD-GEN-2023-01/ BSHP-CD-GEN-2023-01	
THIS DRAWING IS MEANT FOR FSR NOT TO BE USED FOR CONSTRUCTION.		Rev.	0



NOTES:-
 1. ALL DIMENSIONS AND LEVELS ARE IN METRES UNLESS OTHERWISE SPECIFIED.
 2. NO DIMENSION SHOULD BE MEASURED FROM THE DRAWING.

Sl.	DESCRIPTION	EASTING	NORTHING	ELEVATION(M)
P1	POWER INTAKE 1	395287.8804	2997892.6463	1135.00
P2	POWER INTAKE 2	395276.8879	2997882.6463	1135.00
P3	DC ADIT PORTAL	395558.9341	2997760.6952	1130.00
P4	SFT PORTAL	395635.8639	2997712.3875	1118.00
P5	GOC & SFT CHAMBER	395685.5371	2997763.840	1150.00
P6	HRT ADIT-1 PORTAL	396175.4273	2997059.1308	1120.00
P7	TSHANLARI CROSSING	399753.5176	2995331.2057	1095.00
P8	HRT ADIT-2 PORTAL	399870.4368	2994207.5954	1110.00
P9	SS JUNCTION INVERT	400023.4192	2994180.5236	1115.00
P10	PH NSL	399815.5810	2993736.7347	782.00
P11	TRC OUTFALL PORTAL	399826.1629	2993667.2532	773.40
P12	PS PORTAL	399883.3373	2993716.6867	790.795

