

PREAMBLE FOR BOQ CUM RATE SCHEDULE	
1	Details of the items in the BOQ Cum Rate Schedule shall be read in conjunction with the tender specifications, drawings and other documents and shall have precedence over any contrary statement mentioned anywhere in this document.
2	The work shall be carried out as per construction drawings, specifications, the description of the items in this schedule and/or Engineer's instructions, Drawings enclosed with these documents are only indicative giving some idea of the type of work involved. The layout, sizes and details of the building, structures and foundations shown in tender drawings may vary at a large extent during actual construction. Final drawings will be issued progressively during the execution of the work.
3	Items of work provided in this schedule but not covered in the specifications shall be executed strictly as per instructions of the Engineer.
4	Unless specifically mentioned otherwise in the contract, the contractor shall quote his rates for the finished items and shall provide for the complete cost towards fuel, tools, tackle, equipment, constructional plant, temporary works, labour materials, levies, taxes, transport, layout, repairs, rectification, maintenance till handing over, supervision, shops, establishments, services, temporary roads, revenue expenses, contingencies, overheads, profits and all incidental items not specifically mentioned but reasonably implied and necessary to complete the works according to the contract.
5	The rate shall also be inclusive of carrying out topography survey of site to establish levels and coordinates at suitable intervals, from existing grid levels and coordinates furnished by the owner, establish bench marks, setting out the location and levels of the proposed structures, constructions and making references, pillars and other identification marks etc. No separate payment will be made towards the same.
6	The quantities of the various items mentioned in the BOQ cum Rate Schedule are approximate and may vary up to any extent or be deleted altogether. The overall variation in contract value on execution shall be dealt as per GCC. Contractor has to obtain prior approval of BHEL/ Customer before procurement of bought out items/ building materials.
7	BHEL Engineer's decision shall be final and binding on the contractors regarding clarification of items in BOQ cum Rate schedule with respect to the other sections of the contract.
8	In case of any discrepancy between item description, relevant specification, clarification shall be sought at tender stage itself. Otherwise it shall be assumed that the contractor has quoted for the more stringent requirement.

PART-B						
Project: 2X800MW NTPC SINGRAULI STPP STAGE-III						
BOQ CUM RATE SCHEDULE (% WEIGHTAGE FOR AMOUNT OF INDIVIDUAL ITEMS W.R.T. THE TOTAL VALUE)						
TENDER NO.: BHEL/CPC/SGL/GPC/26/038						
NAME OF WORK: HIRING OF AGENCY FOR PRODUCTION OF REQUIRED GRADE OF GEOPOLYMER CONCRETE FOR ROAD WORKS AT 2X800MW SINGRAULI STPP STAGE-III.						
BOQ ITEM / ST NO.	ITEM DESCRIPTION	UNIT OF MEASURE MENT (UOM)	QUANTITY	RATES (INR)= TOTAL VALUE * WEIGHTAGE /(QUANTITY*100) (ROUNDED OFF TO TWO PLACES AFTER DECIMAL)	AMOUNT (INR) TOTAL QUOTED PRICE * QUANTITY	% WEIGHTHAGES OF BOQ ITEMS
2419	Production of Geopolymer Concrete of different grades at pouring site by using mobile batching plant (Ajax fiori or equivalent). All the ingredients required for making/producing geopolymer concrete like Fly-ash (refer note below and TCC), GGBFS, Sodium Hydroxide (NaOH)) , Sodium Silicate (Na2SiO3), Coarse and fine Aggregates, Chemical Admixtures etc. will be in the scope of the bidder. Note: 1) Mix Design for the Concrete Grade shall be in the scope of the agency. Mix Design shall be as per IRC 44:2017. The design mix shall be ensured from third party reputed institute who has already executed geopolymer concrete mix design in past. 2) Fly ash produced by coal-based power stations of NTPC will be issued free of cost for the production of Geo-polymer concrete on 'as is where is' basis. 3) Supply of GGBFS and its relevant test shall be in the scope of the bidder. The properties of GGBFS shall be as per IS 16714:2018. 4) Supply of Alkali Activator (NaOH + Na2SiO3) and its relevant test shall be in the scope of the bidder. 5) Supply of PCE based water reducing admixtures shall be in the scope of the bidder. 6) Supply of coarse and fine aggregates and their relevant test shall be in the scope of bidder. 7) Mix shall be done through movable batching plant. Workability of concrete shall be as per IRC 15:2011. 8) In case there is a contradiction between MORTH and IRC specifications MORTH specifications will govern.					
a	Dry Lean Concrete (DLC) M10	CUM	10,573.00			28.1852800153
b	Pavement Quality Concrete (PQC) M35	CUM	17,638.00			71.8147199847
	TOTAL AMOUNT (In Rs.)					100.0000000000