

**HSCC (INDIA) LIMITED**  
**(A Subsidiary of NBCC (India) Limited)**  
**(A GOVERNMENT OF INDIA ENTERPRISE)**

**Dated: 17.01.2024**

**AMENDMENT No.– IV**

**Project Name :** Tender for "Construction of 50 Bedded, 100 Bedded Critical Care Block (CCB) & DIPHL at various location in Jammu & Kashmir and their Maintenance during Defect Liability Period on Comprehensive Design, Engineering, Procurement and Construction (EPC) basis"

**Ref. :** Tender No. HSCC/NHM/J&K/CCB/EPC/2023/20, dated 11.12.2023

This has reference to subject work, the following Amendment may be noted, which shall be treated as a part of the contract to be uploaded along with tender/ bid:

**(I). Reply to observations/queries raised by the prospective bidders :**

Sl. No.	Vol./ Cl.No. / Ref.	Bidder's Queries / observation	HSCC Reply / clarification
1.	Volume – V Design Basis Report (DBR)	<p><b>Sustainable Design-</b></p> <p>a) Drawing of Atic Floor with thermal insulation has shown in Volume-5 DBR under heading of sustainable Design. Please clarify that any flat roof slab is coming under Atic roof or direct Atic roof at Terrace slab. Further also clarify that Whether any insulation is required for atic roof or not.</p> <p>b) It is hereby written under this heading that incorporation of renewable energy measures like roof top solar panel &amp; STP-Use of recycled water but no proper specifications in Volume-5 DBR. Please clarify that the costing of these energy measures</p>	<p>Attic roof should be directly over the terrace slab. No insulation is required for attic roof. Amended architectural DBR is attached.</p> <p>Roof top solar panel and STP are not within the scope of work. Amended architectural DBR is attached.</p>

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		has to be taken in estimation of tender or not. If the same has to be taken then please specify the qty.	However, provision of solar hot water in the scope of work under PHE.
		c) It is also hereby written under this heading that Strategies to achieve 3 star GRIHA rating like Water management, Electrical management, Waste Management, solar panels on roof top but no proper specifications are present in Volume-5 DBR. Please clarify that costing of these Strategies has to be taken in estimation of tender or not. If the same has to be taken then please specify the specifications for particular location.	Deleted Amended architectural DBR is attached.
		d) Please clarify that what type of material like Steel or wood will be used for Atic roof framing.	Being an EPC contract, design will be within the scope of EPC Contractor.
2.	Volume – V Design Basis Report (DBR)	<b>Demolition/ dismantling of Existing Buildings-</b> At several locations in Vol-5 DBR, it is mentioned under constraints like Labour shed , Residential quarters, Old hospital block , Abandoned block , Residential Block, Part hospital etc to be Demolished . Which needs to be clarify that who will dismantle/demolish these blocks/buildings i.e either client or EPC contractor?. If removal of these constraints will be in the scope of EPC Contractor, then please clarify that how many storeys are there in blocks/buildings to be dismantled & who is the owner of that dismantled material either client or EPC Contractor. Further Please clarify that if EPC contractor will be the owner of dismantled material then any salvage value of that dismantled material will be debitible to EPC contractor or not?	Dismantling of small structures, shall be done by contractor with the approval of Engineer Incharge. The serviceable material shall be the property of owner/ depts.  The rates for dismantling shall be deemed to be included in the price quoted by bidders.  Bidders are advised to visit the sites for their assessment/ evaluation.
3.	Volume – V Design Basis Report (DBR)	<b>Shifting of Existing Utilities/ Diversion of Road/ Additional Services required -</b> a) In Vol-5 DBR, it is mentioned that STP line to be diverted as constraints. Please clarify that who will shift this STP line either by client or EPC contractor? If it is in	The shifting of the STP line is not within the scope of work. However, as an EPC contract, the plan may be suitably adjusted. If it becomes

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		<p>the scope of EPC contractor then please specify the length and specifications of STP line. Further, Please also clarify that any type of estimate has to be passed from concerned utility owing Agency by EPC contractor before starting the work or not?</p>	<p>necessary to shift the line, that will be done at an additional cost.</p>
		<p>b) In Vol-5 DBR, it is mentioned that 11KVA line to be Shifted under constraints. Please clarify that who will shift this 11 KVA line either by client or EPC contractor? If it is in the scope of EPC contractor then please specify the length and specifications of 11 KVA line. Further, Please also clarify that any type of estimate has to be passed from concerned utility owing Agency by EPC contractor before starting the work or not?</p>	<p>The shifting of the 11KVA line is not within the scope of work. However, as an EPC contract, the plan may be suitably adjusted. If it becomes necessary to shift the line, that will be done at an additional cost.</p>
		<p>c) In Vol-5 DBR, it is mentioned that Existing UGT to be Shifted under constraints. Please clarify that who will shift this existing UGT either by client or EPC contractor? If it is in the scope of EPC contractor then please specify the area &amp; specifications of UGT.</p>	<p>Shifting of UGT is not within the scope of work. Amended architectural DBR is attached.</p>
		<p>d) In Vol-5 DBR, it is also mentioned that Existing STP to be Shifted under constraints. Please clarify that who will shift this existing STP either by client or EPC contractor? If it is in the scope of EPC contractor then please specify the area &amp; specifications of STP.</p>	<p>Shifting of STP is not within the scope of work. Amended architectural DBR is attached.</p>
		<p>e) In Vol-5 DBR, it is also mentioned that road to be diverted under constraints. Please clarify that who will divert this road either by client or EPC contractor? If it is in the scope of EPC contractor then please specify the area &amp; specifications of road which is to be diverted.</p>	<p>Diversion of Road is not within the scope of work. Amended architectural DBR is attached.</p>

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		f) In Vol-5 DBR, it is also mentioned that additional services are required at some locations but there are no specifications that what type of services are required at that locations. Please clarify that what type of services are required at that locations & what will be there specifications of that services.	Additional services are not within the scope in the scope of work.  Amended architectural DBR is attached.
4.	Volume – V Design Basis Report (DBR)	<b>Operation Theatres-</b> f) There is a variation in quantity of operations theatres written in DBR & quantity as shown in drawing. So please clarify the quantity of Opeartion Theatres for 50 bedded hospitals as well as 100 bedded hospitals. Please also provide revised drawing accordingly.	For 100 Bedded CCB numbers of Operation Theatres is three (03).  For 50 Bedded CCB numbers of Operation Theatres is two (02).
5.	Volume – V Design Basis Report (DBR)	<b>Water Treatment Plant 35 KLD &amp; 55 KLD-</b> f) In Vol-5 DBR, it is also mentioned that WTP (35 KLD) has to be provided in 50 bedded hospitals & WTP (55 KLD) has to be provided in 100 bedded hospitals at several locations but there are no proper specifications & no proper mapping of provision of WTP has provided in DBR. So, please clarify these WTP's are to be provided at site or not? If yes, then please provide above said details.	The Water Treatment Plant (WTP) is not within the scope of work.
6.	Volume – V Design Basis Report (DBR)	<b>Solid waste Generation &amp; Management -</b> f) In Vol-5 DBR, Heading of Solid waste Generation & Management has mentioned but there are no proper specifications has provided in DBR. So, please clarify the same has to be provided at site or not? If yes, then please provide the above said details.	Solid waste generation & management are not within the scope of EPC contractor.
7.	Volume – V Design Basis Report (DBR)	<b>External Street Lighting-</b> f) In Vol-5 DBR, Heading of external street lighting has mentioned but there are no proper clarification of area, qty & type of Lighting fixtures used for external street lighting for each building has provided in DBR. So, please clarify the same.	Street light will be provided around the building road only.

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8.	Volume – V Design Basis Report (DBR)	<b>Hot water system including solar HWG-</b> f) In Vol-5 DBR, it is mentioned at one place that Electric geysers are to be provided for hot water & at other place it has mentioned that solar hot water system will be used. So there is a conflict in between these two. Please clarify that what type of hot water system will use at site.	Solar hot water system will supply the hot water to the individual geyser. The DBR has already been given under “Plumbing – Fire Fighting”, Sub point “E” (Design Basis Report-Hot Water System including Solar HWG)
9.	Volume – V Design Basis Report (DBR)	<b>RO System &amp; Water Cooler-</b> f) In Vol-5 DBR, it is mentioned in 50 bedded & 100 bedded hospitals that only RO system is to be provided & in DIHPL, it has mentioned that RO system & water cooler are to be provided. Please clarify that whether EPC contractor has to consider the cost of RO system and water cooler for 50 bedded, 100 bedded as well as DIHPL in bidding or not?	RO system and water cooler are within the scope of EPC contractor.
10.	Volume – III, SCC, Clause no 28	<b>Computers &amp; Softwares like MS Project, Primavera etc., BIM Software, Bexel Software &amp; BIM Collaborator and other required software and hardware as well as internet, Software for Quality management system with some condition like android mobile app, Software tool for design and Construction methodology</b> - f) In Vol-5 DBR, it is mentioned that Computers & Software like MS Project, Primavera etc., BIM Software, Bexel Software & BIM Collaborator and other required software and hardware as well as internet, Software for Quality management system with some condition like android mobile app, Software tool for design and Construction methodology are to be provided by EPC contractor but no proper quantity of each item has defined in DBR as some above mentioned softwares are similar in nature. So please clarify the quantity & type of software which are required at site & please also mentioned the proper locations that where these softwares & hardwares are to be provided.	<ol style="list-style-type: none"> <li>1. AEC/BIM software and collaborator – 3 Nos.</li> <li>2. Bexel software – 2 Nos.</li> <li>3. QMS android mobile apps – 1no./site &amp; office</li> <li>4. Compatible computer system – 3Nos.</li> </ol>

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11.	GCC , SECTION - 3 CLAUSES OF CONTRACT , Clause no 70	<p><b>Office accommodation and mobility communication, Furnished Office of area 150 sqm, Swift desire and Stationary and miscellaneous to be arranged by Contractor -</b></p> <p>f) In Vol-5 DBR, it is mentioned that Office accommodation and mobility communication, Furnished Office of area 150 sqm, Swift desire and Stationary and miscellaneous to be arranged by EPC contractor but no proper quantity of each item &amp; no proper location where these services are to be provided has defined in DBR . So please clarify the quantity of each item which are required at site &amp; please also mentioned the proper locations that where these above said services are to be provided.</p>	<p>Furnished office along with stationary and other miscellaneous items – 2 locations (Jammu and Srinagar) Min. area 100 Sq. m</p> <p>Vehicle – 3 Nos.</p>
12.	Volume – V Design Basis Report (DBR)	<p><b>HVAC - a)</b> CFM capacity for HVAC is not mentioned in DBR. Please provide the same.</p> <p><b>b)</b> Please clarify VRV - VFX system is to be proposed or Ductable system for HVAC.</p> <p><b>c)</b> In HVAC DBR, it is mentioned that the scope of HVAC works are Under Partially air conditioned areas as specified are - ICU, Dialysis , Emergency , HDU , LDR, OT Complex , and other Critical areas . Kindly Clarify about the other Critical Areas &amp; provide the details of the same as well as the same will be mentioned in drawing of HVAC works.</p> <p><b>d)</b> DIPHL - no specifications are shown in drawings as well as in DBR, Please clarify that whether EPC contractor has to consider the cost of HVAC cost in DIPHL in bidding or not?</p>	<p>Being an EPC Contract, design will be within the scope of EPC Contractor.</p> <p>As mentioned in the HVAC DBR 1.3.1 (A) and 1.8, Buildings connected with DX AHUs with VRV/VRF system in dual mode (Heating &amp; cooling) – for 50 bed CCU and Buildings connected with common Centralized air to water Screw Reversible Heat Pump system with chilled water AHUs for 100 bed CCU.</p> <p>Other Critical areas are:            1. For 50 bed CCU- NBCC area and Covid Sample Collection room.            2. For 100 beds- USG room and Covid Sample Collection room.            Already mentioned in drawings.</p> <p>No AC for DIPHL has been considered</p>

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13.	Volume – V Design Basis Report (DBR)	<b>External development work</b> - a) Only Road section has been shared in DBR, but no proper length/Area of road has defined in DBR where these sections are applicable. Please clarify the proper area, Length, Road sections & locations where this road may be provided.	<b>Road Area:</b> 100 bedded CCB = 1300 Sqm (approx.) 50 Bedded CCB = 900 Sqm (approx.) New DIPHL = 100 Sqm (approx.)
		b) No proper details of Parking area are provided in DBR. kindly provide total area /qty for parking.	<b>Parking Area:</b> 100 bedded CCB = 2100 Sqm (approx.) 50 Bedded CCB = 1250 Sqm (approx.)
		c) No proper Landscaping details are specified in DBR. kindly provide total area / qty of Landscaping.	<b>Landscaping Area:</b> 100 bedded CCB = 1650 Sqm (approx.) 50 Bedded CCB = 900 Sqm (approx.) New DIPHL = 100 Sqm (approx.)
		d) No proper details of Paved area are provided in DBR. kindly provide total area /qty of paving.	<b>Paved Area:</b> 100 bedded CCB = 350 Sqm (approx.) 50 Bedded CCB = 200 Sqm (approx.)
14.	Volume – V Design Basis Report (DBR)	<b>Furniture</b> -No Clear specifications of furniture is mentioned in DBR , kindly clarify the same needs to be considered in cost , if yes then please specify qty, type and location of the furniture.	Furnitures are not within the scope of work
15.	Volume – V Design Basis Report (DBR)	<b>Fire Fighting &amp; alarm system-</b> a) Fire fighting & alarm system for new construction of DIHPL at several locations has mentioned in DBR but in DIPHL drawings there is no shown of fire fighting / sprinklers & alarm system , please clarify if same need to be considered in EPC cost or not. If yes, then please provide the drawings of the same.	Fire fighting & alarm system to be provided as per relevant NBC norms
		b) Also 4 nos. of DIPHL needs to be renovated , there is no provision of fire fighting / sprinklers & alarm system in DBR. Please clarify that whether EPC contractor has to consider the cost of Fire fighting and alarm system in renovations of DIHPL in bidding or not?	Only Fire Signages and Portable extinguishers to be provided.

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16.	Volume – V Design Basis Report (DBR)	<b>DG Set-</b> Provision of one DG set has been mentioned in DBR for each new building. Kindly clarify that Separate DG has to be provided for Operation Theatres or this above one DG set is sufficient for Operation Theatres.	Only One DG in scope. Amended DBR attached.
17.	Volume – V Design Basis Report (DBR)	<b>Lighting-</b> a) In Vol-5 DBR, it is mentioned that Dimmable light fixtures are to be used where natural light is available. However as per elevation drawings provided in Tender , whole building is having windows on all sides so from all sides natural light is available. Please specify exact location and Qty of Dimmable light fixtures in drawings & provide the same if applicable.	Dimmable Light not in scope as per Amended DBR
		b) In Vol-5 DBR, it is mentioned that Facade illumination will be done but in the BOQ of fixtures as mentioned in DBR under electric works, no details of Facade illumination has been provided. Please clarify that façade illumination will be in the scope of EPC contractor or not?.	Facade illumination not in scope. Amended DBR attached.
18.	Volume – V Design Basis Report (DBR)	<b>Cameras -</b> a) Cameras location has mentioned in Tender drawings, please clarify if the any other zone / location needs to be considered for the same and also please clarify that there is any provision of VMS system for CCTV So that EPC contractor has to consider the cost of the same in Bidding.	For 100 Bedded CCB 10 no. cameras at GF and for 50 Bedded CCB 7 no, camera at GF is in the scope. Revised Drawing and Amended DBR attached.
		b) In DIPHL Drawings, there is no shown of any cameras in any area, kindly clarify the same has to be considered or not, if yes please provide the total qty & location of the same in drawings.	CCTV not in scope for DIPHL Amended DBR attached
19.	Volume – V Design Basis Report (DBR)	<b>PA System-</b> In DIPHL Drawings, there is no shown of any PA system in any area, kindly clarify the same has to be considered or not , if yes please provide the total qty & location of the same in drawings.	PA system not in scope for DIPHL Amended DBR attached



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20.	Volume – V Design Basis Report (DBR)	<b>Ramp Area</b> - Ramp area has mentioned as tabular form in Volume-5 DBR at several locations & at the bottom as note it is written that Ramp costing is separate from the facilities proposed as per norms. In drawings, it is also mentioned that Ramp work is not in scope. So, please clarify that whether EPC contractor has to consider the cost of construction of Ramps in bidding or not.	The Construction of Ramp is not within the scope of work of EPC contractor
21.	Volume – V Design Basis Report (DBR)	<b>Attic Area-</b> In this tender, DIPHL at several locations has to be constructed new but no elevation of DIPHL has been provided in DBR or Tender due to which no clarification of provision of Atic roof over DIPHL. So please clarify the same that there is any provision of Atic roof in DIPHL or not?	Please refer the Architectural DBR (Amended)

- (II). Amended - Architecture DBR & Amended - Electrical DBR are attached at **Annexure-A**
- (III). Amended - Electrical Drawing are attached at **Annexure-B**
- (IV). Amended - SCHEDULE OF STAGE PAYMENT OF WORKS (Annexure – A) are attached at **Annexure-C**
- (V). Amended - Civil Works - Approved Make List are attached at **Annexure-D**

All other terms & Conditions of the Tender shall remain unchanged.

Prospective bidders are advised to regularly scan through HSCC e-tender portal <https://hscenivida.com> & HSCC website <http://www.hsccltd.co.in> as corrigendum/amendments etc., if any, will be notified on this portal only and separate advertisement will not be made for this.

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 Chief General Manager



HSCC (India) Ltd.