

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE				Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.		
D2-01	VI/A	IID	2.03.00	8 OF 8	DEVELOPMENT OF LAYDOWN AREA Bidder shall use a lay down area as shown in GLP. One area marked in GLP totalling 75 acres(approx.) are identified as laydown/preassembly area. Further, bidder to note that this 75 acres of land shall be converted into reservoir. Fencing of the laydown area in the area marked for laydown is also in into reservoir by bidder. Fencing of the laydown area in the area marked for laydown is also in Bidder's Scope.	DEVELOPMENT OF LAYDOWN AREA Bidder shall use a lay down area as shown in GLP. One area marked in GLP totalling 75 acres(approx.) are identified as laydown/preassembly area. Further, bidder to note that this 75 acres of land shall be converted into reservoir by bidder. Fencing of the laydown area in the area marked for laydown is also in Bidder's Scope.
D2-02	VI/A	D-1-5	5.23.01	66 OF 86	Track hopper..... The structural arrangement to be adopted for the design and construction of underground portion of track hopper and machinery hatches shall be as shown in tender drawing. It essentially consists of RCC frames spaced at approx. 3.0M centers with RCC wall panels on the sides and RCC raft/ raft and beam arrangement at the bottom, fixed to the frames. The top beam of the RCC frame supports the rail supporting beams and the coal hopper. Minimum thickness of RCC raft at bottom shall be 600 mm. Minimum thickness of RCC side walls shall be 600 mm at bottom and 300 mm at top.....	Track hopper..... It essentially consists of RCC frames spaced at approx. 3.0M centers with RCC wall panels on the sides and RCC raft/ raft and beam arrangement at the bottom, fixed to the frames. The top beam of the RCC frame supports the rail supporting beams and the coal hopper. Minimum thickness of RCC raft at bottom shall be 600 mm. Minimum thickness of RCC side walls shall be 600 mm at bottom and 300 mm at top.....

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	---

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE				Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.		
					beam of the RCC frame supports the rail supporting beams and the coal hopper. Minimum thickness of RCC raft at bottom shall be 600 mm. Minimum thickness of RCC side walls shall be 600 mm at bottom and 300 mm at top.....	
D2-03	VI/B	D-1-5	5.23.18	76 OF 86	Internal and external water supply ... The scope..... All buildings (including transfer houses, MCC houses, crusher house, MCC rooms, pump house etc.) shall be provided with open surface brick drains of minimum size of 300 mm depth with removable steel gratings all around the periphery. All drains excepting the peripheral drains around the transfer points, crusher house, control / MCC. buildings, pumps house etc., shall be of RCC construction. All open RCC drains shall have removable steel gratings designed for loads as specified under loading clause. Minimum size of main bar of steel grating (Galvanised	Internal and external water supply ... The scope..... All buildings (including transfer houses, MCC rooms, pump house etc.) shall be provided with open surface RCC drains of minimum size of 300 mm width and 300 mm depth with removable steel gratings all around the periphery. For stock pile area and succeeding drains minimum 850 mm Width and 600 mm depth RCC drain shall be provided. For Crusher house area and succeeding drains upto Coal slurry settling pond(CSSP), minimum 850 mm Width RCC drain shall be provided. All open RCC drains shall have removable steel gratings designed for loads as specified under loading clause. Minimum size of main bar of steel grating (Galvanised to 610 gm/m2) shall be 25 mm x 5mm and cross bars 6mm. At all entry or road/rail crossing

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	---

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE				Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.		
					to 610 gm/m ²) shall be 25 mm x 5mm and cross bars 6mm. At all entry or road/rail crossing point's RCC box/pipe culvert shall be provided. The opening size of grating shall not be more than 90 mm x 35 mm. All drains as well as pre - cast covers shall be provided with edge protection angles and lifting hooks.	point's RCC box/pipe culvert shall be provided. The opening size of grating shall not be more than 90 mm x 35 mm. All drains as well as pre - cast covers shall be provided with edge protection angles and lifting hooks.....
D2-04	VI/B	D-1-5	5.34.00	85 OF 86	Bio-Toilet shall be provided near all the modular worker's sheds/accommodation, the makeup water pump house building, CHP building, outside the plant boundary. Besides these areas, any toilet block provided in area far from plant boundary shall be a Bio toilet.	Bio-Toilet shall be provided near all the modular worker's sheds/accommodation, the makeup water pump house building, CHP building outside the plant boundary. Besides these areas, any toilet block provided in area far from plant boundary shall be a Bio toilet
D2-05	VI/B	D-1-6	6.02.09 (I)	7 OF 25	New clause added	Loads for solar installations over roof to be taken not less than 1 KN/sqm. Roof slab to be design for local effect due to wind load at support location for installations.
D2-06	VI/B	D-1-6	6.03.03	8 OF 25	Design of steel structures shall be done by the working stress method. Design shall be as per provisions of	Design of steel structures shall be done as per provisions of IS:800: 2007 (Limit state design) and other relevant IS standards including National Building Code(2016). For design of

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	---

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE				Instead of	Read as																																
	Section / Part	Sub-Section	Clause No.	Page No.																																		
					IS:800:1984 and other relevant IS standards. For design of coal bins and loading hopper IS:9178 (part I to III) shall be followed.	coal bins and loading hopper IS:9178 (part I to III) shall be followed.																																
D2-07	VI/B	D-1-6	6.04.01(C)	22 OF 25	All steel structures shall be designed by following basic design criteria in ISO 12944 Part 3. Minimum thickness of metal for any structural steel elements shall be not less than 6 mm where steel is fully accessible for cleaning and repainting and where it is feasible to follow design criteria given in ISO 12944 part 3. However, where steel surfaces are inaccessible for cleaning and repainting or where it is not feasible to follow design criteria given in ISO 12944 part 3, corrosion allowance of 1.5 mm shall be kept in thickness (over the design thickness or 6mm, whichever is more). Minimum thickness of tubular/ hollow steel sections conforming to IS 4923 shall be 4.0 mm, provided the ends of such steel sections are effectively sealed unless higher thickness is specified elsewhere for specific structure.	All steel structures shall be designed by following basic design considerations in ISO 12944 Part 3. Where steel is fully accessible for cleaning and repainting and where it is feasible to follow design criteria given in ISO 12944 part 3, minimum thicknesses of structural members shall be as follows <table><tr><th>Structural Sections</th><th>Minimum thickness</th><th>Minimum Flange thickness</th><th>Minimum Web thickness</th></tr><tr><td>Plates</td><td>6</td><td>6</td><td>6</td></tr><tr><td>Built up Sections</td><td></td><td>6</td><td></td></tr><tr><td>Angle sections</td><td></td><td>6</td><td></td></tr><tr><td>ISMV / ISVC</td><td></td><td>6</td><td>4.5</td></tr><tr><td>NPB/ WPB</td><td></td><td>6</td><td>4.5</td></tr><tr><td>RHS/SHS/ Tubular Sections</td><td></td><td>4</td><td></td></tr><tr><td colspan="4">All dimensions in mm</td></tr></table> Where steel surfaces are inaccessible for cleaning and repainting (such as back to back sections, lap joints etc.) or where it is not feasible to follow design criteria given in ISO 12944 part 3, corrosion allowance of 1.5 mm shall be kept in thickness (over the design thickness or minimum thickness specified above, whichever is more).	Structural Sections	Minimum thickness	Minimum Flange thickness	Minimum Web thickness	Plates	6	6	6	Built up Sections		6		Angle sections		6		ISMV / ISVC		6	4.5	NPB/ WPB		6	4.5	RHS/SHS/ Tubular Sections		4		All dimensions in mm			
Structural Sections	Minimum thickness	Minimum Flange thickness	Minimum Web thickness																																			
Plates	6	6	6																																			
Built up Sections		6																																				
Angle sections		6																																				
ISMV / ISVC		6	4.5																																			
NPB/ WPB		6	4.5																																			
RHS/SHS/ Tubular Sections		4																																				
All dimensions in mm																																						

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	---

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE				Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.		
						The minimum thickness consideration shall apply for both web and flange. However minimum gusset plate thicknesses shall be followed as mentioned else where in the specification and minimum angle section to be used is ISA 50x50x6. Ends of tubular sections to be effectively sealed at both ends. For tubular handrail, thickness shall be as specified elsewhere in the specification.
D2-08	VI/B	D-1-8	8.01.02.29	3 OF 19	Interlocking concrete block , kerb blocks or concrete block specified for various uses shall be precast blocks made of alkali-activated concrete /Geopolymer concrete as per IS:17452-2020.	Interlocking concrete block confirming to IS:15658, kerb blocks or concrete block specified for various uses shall be precast blocks made of alkali-activated concrete /Geopolymer concrete as per IS:17452- 2020.
D2-09	VI/B	D-1-8	8.02.01	5 OF 19	Concrete..... Concrete design mix of M50 grade concrete for TG top deck and substructure shall be carried out as per IS 10262 satisfying following conditions /Specification:.... vi) Fly ash conforming to IS 3812 part 1 shall be used as pozzolana (mineral admixture) considering approx 15%-30% (mass) replacement of total cementitious materials.	Concrete..... Concrete design mix of M50 grade concrete for TG top deck shall be carried out as per IS 10262 satisfying following conditions/Specification:..... vi) Fly ash shall be not be used as replacement of total cementitious materials..

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	---

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE			Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.	
D2-10	VI/B	D-1-8	8.02.03 b)	Admixture: Plasticizer /super plasticizer admixture shall generally be added to the concrete for promoting the concrete for promoting workability. In addition, plasticizer/super plasticizer/super-retarder shall be added to retard the setting time for mass concreting work as required. In case of pumping, suitable pumping additive shall also be added to avoid segregation and increase flowability. The slump shall generally be in the range given below: Top decks of TG & BFP - 150 mm to 180 mm Block foundations - 100 mm to 150 mm TG Column - 100 mm to 150 mm Admixtures in concrete for promoting workability, retarding setting, reduction in permeability, facilitating pumping of concrete, etc., shall be used as per the approved mix design after approval from the Engineer. Admixtures shall conform to clause 5.5 of IS: 456. These shall be free from injurious amount of chloride, etc. Addition of admixtures should not reduce the specified strength or durability of concrete and should not have detrimental effect on reinforcement. The admixtures shall conform to IS: 9103 or ASTM C-494 and shall be proven performance record make and from a reputed manufacturer. Calcium chloride as accelerating admixture is not permitted to be used.	Plasticizer /super plasticizer admixture shall generally be added to the concrete for promoting workability. In addition, plasticizer/super plasticizer-cum-retarder shall be added to retard the setting time for mass concreting work as required. In case of pumping, suitable pumping additive shall also be added to avoid segregation and increase flowability. The slump shall generally be in the range given below: Top decks of TG & BFP - 150 mm to 180 mm Block foundations - 100 mm to 150 mm TG Column - 100 mm to 150 mm Admixtures in concrete for promoting workability, retarding setting, reduction in permeability, facilitating pumping of concrete, etc., shall be used as per the approved mix design after approval from the Engineer. Admixtures shall conform to clause 5.5 of IS: 456. These shall be free from injurious amount of chloride, etc. Addition of admixtures should not reduce the specified strength or durability of concrete and should not have detrimental effect on reinforcement. The admixtures shall conform to IS: 9103 or ASTM C-494 and shall be proven performance record make and from a reputed manufacturer. Calcium chloride as accelerating admixture is not permitted to be used.

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	---

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE				Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.		
						Admixtures shall either be naphthalene based or any other material approved by the Engineer. Ligno-sulphonate based materials shall not be used. Admixtures shall be used in liquid form only, quantity of which shall be as per manufacturer's recommendation and approved mix design.
D2-11	VI/B	D-1-8	8.06.00	9 OF 19	GRATING All grating shall be electroforged types. Minimum thickness of the grating shall be 40mm for indoor installation and 32mm for outdoor installation. The opening size shall not be more than 30mmX100mm. The minimum thickness of the bearing bar shall be 5mm or as per design requirement whichever is higher. All grating shall be hot dip galvanized at the rate of 610g per sqm. After surface preparation by means of shot blasting or cleaned by acid pickling	GRATING All grating shall be electroforged types. Minimum thickness of the grating shall be 40mm.The opening size shall not be more than 30mmX100mm. The minimum thickness of the main bearing bar shall be 5mm or as per design requirement whichever is higher. All grating shall be hot dip galvanized at the rate of 610g per sqm. After surface preparation by means of shot blasting or cleaned by acid pickling
D2-12	VI/B	D-1-9	9.04.02	3 OF 30	All toilets shall have sunken slab to accommodate sanitary pipes and the finish level of floor shall match with general floor finish level. Sunken slabs shall be made watertight by suitable water proofing treatment.	All toilets shall have sunken slab to accommodate sanitary pipes and the finish level of floor shall match with general floor finish level. Sunken slabs shall be made watertight by suitable water proofing treatment. Water proofing treatment in sunken portion of WCs, bathroom, kitchen, pantry etc., shall be done in two (2) coats by applying cement slurry

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	--

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE				Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.		
						mixed with water proofing cement compound (confirming to IS 2645). The First layer shall be of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer shall be allowed to air cure for 4 hours. The Second layer shall be of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The water proofing shall be done for the entire sunken area.
D2-13	VI/B	D-1-9	9.11.11	14 OF 30	Electrically operated, self operable/closing, aluminium framed with tinted glass, sliding doors shall be provided at the entrance of all common control rooms, entrance lobby of facility building. At the entrance of all common control rooms in MPH G.I. framed with fire resistant glass, sliding doors shall be provided. The other doors in common control rooms in MPH shall be G.I. framed with fire resistant glass as per fire zoning. Fire Resistant Glazed Door System (Swing / Sliding) shall be of uniform GI profile 50X50 mm with 14mm EI 20 GLASS for Interior Application. Fire Resistant Glazed Door System shall have 120 minutes of integrity and radiation control (EW 120) with symmetrical (Bi-Directional) fire protection. The frames shall be cold rolled profiles as per EN standard EN 10327/ Indian Standard IS 513 . The door frames are cold rolled from 1.5 mm steel sheet to form a profile of 50	

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
---	---	--

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE				Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.		
					The door shall also be subjected to durability tests as per EN 12400 for C5 classification (200,000 cycles). The doors shall also be tested for class 5 of impact resistance when tested as per EN 13049. The doors & partition shall also be tested for class 4 level of Mechanical strength when tested as per EN13115. The door shall have water tightness level of 8A when tested as per EN 1027. Fire Rated Door shall be of Makes- Saint Gobain, Acodur , IGI, Matrix.	mm x 50 mm on all sides. The door shutter shall have the top rail, side rail and bottom rail dimensions of 50 mm x 50 mm. The overall door opening shall be as per tested evidence and tested as per EN 1634-1/ ISO 834- 1 / ISO 3009 /(Indian Standard) IS 16947:2018 in an accredited laboratory. The glass must be minimum 14mm clear (MADE IN INDIA)120 min fire rated for Integrity, Radiation control (EW 120) and partially insulation (EI 20) Non Wired Toughened Interlayered glass with a light transmission of 86% and a sound reduction of 38 dB and manufactured in UL & TUV audited Facility and including UL-EU Certification and compliant to class 1(B)1 category of Impact Resistance as per EN 12600. The glass shall be tested and certified for no formation of bubbles or yellowing after 5000 hours of exposure to UV radiation by TUV Rheinland as per EN 12543-4.The base glass and finished glass must made in India. The shutters shall be fixed to the frame using Weld-on hinges of dimensions 179mm X 20mm. The profiles shall have grooves to incorporate Fire Resistant gaskets. The glass shall be held in its place with the help of 1.5 mm cold rolled steel beading and Kerafix 2000 ceramic tape with cross section of 4 x 15 mm as per the test evidence. Beading shall be clipped on using

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	---

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE				Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.		
						Stainless Steel self-tapping screws fixed at a distance of 70 mm from the edges and 150 mm c/c henceforth. The glass panes are to be supported on non-combustible 6 mm Calcium Silicate setting blocks. The door shall be fitted with offset pull handle and door closer of Dorma (TS 73V, TS 83V, TS93V), Geze (TS 2000NV) or equivalent. The inactive leaf (in case of double leaf only)shall be fixed to the frame using a tower bolt at meeting edge at top or as per the tested evidence. The doors shall be manufactured in a TUV audited facility. The maximum glazing size shall be as per the test certification. The profile has to be fixed to the supporting construction by means of M10 or bigger steel bolts at every 150 mm from the edges and every 500 mm (approx.) c/c. The doors shall offer C4 level of wind resistance when tested as per EN12211 and shall provide class 4 level of air permeability as per EN 1026. The door shall also be subjected to durability tests as per EN 12400 for C5 classification (200,000 cycles). The doors shall also be tested for class 5 of impact resistance when tested as per EN 13049. The doors & partition shall also be tested for class 4 level of Mechanical strength when tested as per EN13115. The door shall have water tightness level of 8A when tested as per EN 1027 . The sliding door system shall be connected to the surrounding construction by means of

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	---

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE			Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.	
					interlocking labyrinths lined with intumescent tapes as per the test evidence and connected to the sliding mechanism at the top. The sliding mechanism shall be as mentioned in the tested evidence or Assessment and shall have steel rollers. The glass should be held in its place with the help of 1.5 mm cold rolled steel beading and Kerafix 2000 ceramic tape with cross section of 4 x 15 mm as per the test evidence. Beading shall be clipped on using Stainless Steel self-tapping screws fixed at a distance of 70 mm from the edges and 150 mm c/c henceforth. The glass panes are to be supported on non-combustible 6 mm Calcium Silicate setting blocks. The sliding mechanism shall be fixed to adequate supporting construction (MS channel / Reinforced concrete) to ensure proper support for the door.
					Fire Rated Door (swing / sliding) shall be of Makes- Saint Gobain, Acodor, IGI, Matrix.
D2-14	VI/B	D-1-9	9.17.00 TABLE A&B	19 TO 30	Table A and B revised and attached as Annexure D2-C
D2-15	VI/B		ANNEXURE H		Indicative arrangement of Coal Stock Pile revised and attached as Annexure D2-D
D2-16	VI/E				9587-999-POC-F-001-Rev-A

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	---

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE			Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.	
				9587-999-POC-F-002-Rev-0 Sheet 1	9587-999-POC-F-002-Rev-A Sheet 1
				9587-999-POC-F-002-Rev-0 Sheet 2 9587-001-POC-A-003-Rev-0	9587-999-POC-A-002-Rev-A Sheet 2 9587-001-POC-A-003-Rev-A
			TENDER DRAWING GS	9587-001-POC-A-004-Rev-0	9587-001-POC-A-004-Rev-A
				9587-001-POC-A-005-Rev-0	9587-001-POC-A-005-Rev-A
				9587-001-POC-A-006-Rev-0	9587-001-POC-A-006-Rev-A
				9587-001-POC-A-007-Rev-0	9587-001-POC-A-007-Rev-B
	D2-17			New Annexures added	Annexure D2-A: Global coordinates showing NTPC Land outside plant boundary of Lara STPP Annexure D2-B: Global Coordinates showing approach road to NTPC land boundary of Lara STPP
D2-18	VI/A	IID	1.00.00 S.NO.26	5 OF 8	Civil Works associated with fire detection and fire protection system Civil, structural, architectural works for fire water booster pump house & control room, foam system including foam system shed & control room, deluge valve housing, pedestals for pipes, concrete encasement of pylon pipes (within filled up gravel portion) used for HVW spray system for protection of transformers, rail/road crossing of fire water trench etc, civil works associated with buried pipes & crossing etc.

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
---	---	--

EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE				Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.		
					pipes (within filled up gravel portion) used for HWW spray system for protection of transformers, rail/road crossing of fire water trench etc, civil works associated with buried pipes & crossing etc.	
D2-19	VI/A	IID	2.01.00 a)	6 OF 8	Development of Bidders temporary staff colony and labour colony along with toilets & fencing etc. Bidder may use green belt area on west side for Labour Colony. For safety of labour, bidder to provide separate approach road for their movement, as per site conditions, which shall be completely isolated from material movement road/path. No material movement shall be allowed on approach road meant for Labour colony.	Development of Bidders temporary staff colony and labour colony along with toilets & fencing etc. For safety of labour, bidder to provide separate approach road for their movement, as per site conditions, which shall be completely isolated from material movement road/path. No material movement shall be allowed on approach road meant for Labour colony.
D2-20	VI/A	D-1-10	10.01.00 b)	1 OF 4	TG foundation top deck/ Substructure	TG foundation top deck

Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	--

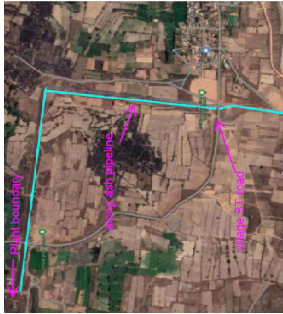
EPC PACKAGE FOR LARA SUPER THERMAL POWER PROJECT, STAGE-II (2x800 MW)
Amendment No. 02 to Technical Specifications Section-VI of Bidding Document No.: CS-9587-001R-2

S. No.	SPECIFICATION REFERENCE				Instead of	Read as
	Section / Part	Sub-Section	Clause No.	Page No.		
D2-21	Technical amendment D-1-01	D-1-7 at Annexure	7.04.03	3 OF 7	Backfilling in Power House & Boiler Area: Backfilling around foundations, trenches, sumps, pits, plinths, etc. shall be carried out with natural sand/ manufactured sand confirming to IS 383 in layers not exceeding 300 mm compacted thickness and each layer shall be compacted to minimum 80% of relative density.	Backfilling in Power House & Boiler Area: Backfilling around foundations, trenches, sumps, pits, plinths, etc. shall be carried out with natural sand/ manufactured sand confirming to IS 383 in layers not exceeding 300 mm compacted thickness and each layer shall be compacted to minimum 80% of relative density.

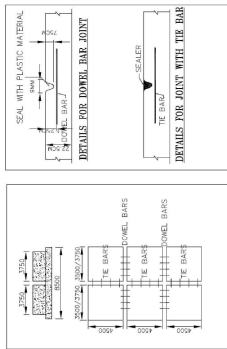
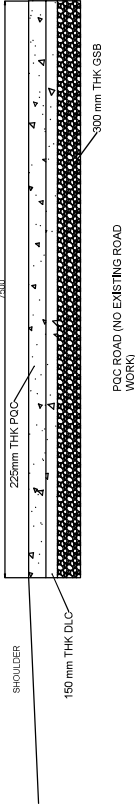
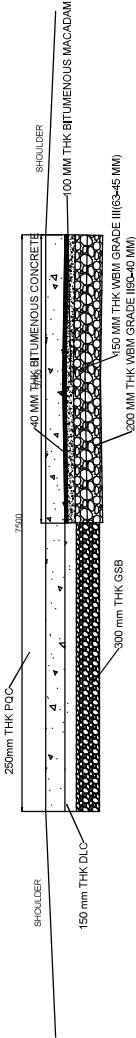
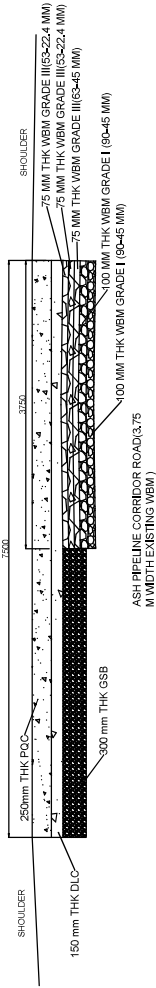
Doc. No.: CS-9587-001R-2-TECH AMDT- 02	LARA SUPER THERMAL POWER PROJECT STAGE-II (2X800 MW)	Amendment No. 02 to Technical Specifications Section-VI
--	--	---



Global Coordinates showing NTPC Land outside
plant boundary of LARA STPP



PQC Road layout from
Plant boundary
to 230 acre land
at Village Lara



DOWEL BAR	25MM	SPACING	500MM
TIE BAR (WITH DEFORMED BAR)	12MM	900MM	700MM

REVNO	DESCRIPTION	DOWNDESIGN CHRG	M	E	C	CD	APPRO	DATE	SIZE	SCALE	DRG NO	REV NO
									AT	NTS		0
PROJECT												
LARA SUPER THERMAL POWER PLANT												
PQC ROAD FROM PLANT TO 280ACRE LAND												
NTPC LIMITED (A GOVERNMENT OF INDIA ENTERPRISE)												

Global Coordinates showing Approach road to
NTPC Land outside plant boundary of LARA STPP

TABLE -A INTERIOR FINISHING SCHEDULE				
S.N O.	DESCRIPTION OF AREA	FLOOR FINISH	WALL FINISH	CEILING FINISH
1.	Main power house Building.			
a)	Unloading Bay	Cement concrete with Metallic hardener topping	Acrylic distemper	Acrylic distemper (except metal deck area)
b)	Cable vault	Cement concrete with Metallic hardener topping	Acrylic distemper	Acrylic distemper (except metal deck area)
c)	Balance area including passage	Cement concrete with Metallic hardener topping	Acrylic distemper	Acrylic distemper (except metal deck area)
d)	SWAS Room	Matt Finished Vitrified ceramic tiles.	Aluminium composite panel cladding on walls and columns upto false ceiling level	Aluminium false ceiling in combination with GRG plaster board border in column depth or as per approved design
e)	Equipment Area, ESP SWGR/ ACP Room/ UAF Room	Cement concrete with Metallic hardener topping	Acrylic distemper.	Acrylic distemper (except metal deck area)
f)	UPS Battery charger room	Matt finished Vitrified ceramic tiles.	Aluminium composite panel cladding on walls and columns upto false ceiling level	Aluminium false ceiling in combination with GRG plaster board border in column depth or as per approved design
	g) Deaerator floor	Cement concrete with Metallic hardener topping.	-	-

TABLE –A INTERIOR FINISHING SCHEDULE				
S.N O.	DESCRIPTION OF AREA	FLOOR FINISH	WALL FINISH	CEILING FINISH
	h) Operating Floor	20 mm thick heavy duty anti skid full body vitrified tile in TG Hall. Rubber flooring at TG deck.	Colour coated Metal cladding on A-Row& Gable end, up to crane girder level.	Metal deck roofing (bottom of sheeting with RAL 9002 finish)
	i) General circulation and movement areas	20 mm thick heavy duty anti skid full body vitrified tile		Acrylic distemper (except metal deck area).
	j) Switchgear room	Cement concrete with Metallic hardener topping.	Acrylic distemper	Acrylic distemper (except metal deck area)
	k)MCC Room	Cement concrete with Metallic hardener topping.	Acrylic distemper	Acrylic distemper (except metal deck area)
	l) Control room area including control room	Matt Finish Vitrified ceramic tiles flooring of size 1000 x1000 mm	Partition in fire rated glass with fire rated frames with 2 hr fire rating & Aluminium composite panel cladding for columns and walls	Alluminium false ceiling in combination with GRG plaster board border in column depth or as per approved design

TABLE -A INTERIOR FINISHING SCHEDULE				
S.N O.	DESCRIPTION OF AREA	FLOOR FINISH	WALL FINISH	CEILING FINISH
	m) control equipment room,	Matt finish ceramic tiles.	Partition in fire rated glass with fire rated frames with 2 hr fire rating & Aluminium composite panel cladding for columns and walls	Alluminium false ceiling in combination with GRG plaster board border in column depth or as per approved design
	n)Conference room, senior executive room., Computer Room	Matt finish ceramic tiles	Partition in fire rated glass with fire rated frames with 2 hr fire rating & Aluminium composite panel cladding for columns and walls	Alluminium false ceiling in combination with GRG plaster board border in column depth or as per approved design
	o)Record room	ceramic tiles	Acrylic distemper.	Alluminium false ceiling in combination with GRG plaster board border in column depth or as per approved design
	p)Locker room	Ceramic Tiles	Acrylic Emulsion Paint	Alluminium false ceiling in combination with GRG plaster board border in column depth or as per approved design
	q)Toilet area	ceramic tiles	Digitally glazed ceramic wall tiles up to False Ceiling Height	Alluminium False ceiling in size 600x 600

TABLE -A INTERIOR FINISHING SCHEDULE				
S.N O.	DESCRIPTION OF AREA	FLOOR FINISH	WALL FINISH	CEILING FINISH
	r) Office Room, Staff Room	Matt Finished Vitrified ceramic tiles.	Partition in fire rated glass with fire rated frames with 2 hr fire rating & Aluminium composite panel cladding for columns and walls	Alluminium false ceiling in combination with GRG plaster board border in column depth or as per approved design
	s)Laboratory area	Vitrified Ceramic / Acid/alkali resistant tiles.	Designer ceramic wall tiles up to False Ceiling Height/ Aluminium composite panel cladding for columns and walls in case of A.C Panel	Alluminium false ceiling in combination with GRG plaster board border in column depth or as per approved design
	t) RCC Stair case	18mm thick Granite (Polished and honed Finished) stone	Polished Granite Stone up to 1.2m. ht. & Acrylic Distemper Paint over wall putty finish for balance height.	Acrylic Distemper
	u) Lift and Staircase Lobby	18mm thick polished granite stone as pattern.	18mm thick polished granite & glass mosaic tile cladding up to False Ceiling Height	Alluminium false ceiling in combination with GRG plaster board border in column depth or as per approved design
	v) Passages and general circulation areas.	Deleted	Deleted	Deleted