Reasoned document for the comments received on Draft of "Item Specific Guidelines & Schedule of Technical Requirements for Vendor Approval for manufacture and supply of Thick Web Switch, Thick Web Switch Expansion Joints and End forged Thick web Asymmetric (TWA) rails. (TDG 0038, Version No: 1.0)"

S.	Propos	sed Clause as	given in d	Iraft uploaded on RDSO's website for	Comments/		Changes made in Final Draft as uploaded
No.	comme	ents			Suggestions	by	on RDSO's website with reason for
					vendors/	stake	acceptance/ rejection of suggestion
					holders		
1	Docum	ent No.: TDC	30038		No comments rec	ceived	No changes made in proposed clause as no
							comments received from any vendor/ stake
							holders.
2	Docum			c Guidelines & Schedule of Technical	No comments rec	ceived	No changes made in proposed clause as no
				s for Vendor Approval for manufacture			comments received from any vendor/ stake
			* * *	of Thick Web Switch, Thick Web			holders.
			viten Expai symmetric	nsion Joints and End forged Thick web			
3	1 0 Am	nendment Hist		talis.	No comments red	reived	No changes made in proposed clause as no
	1.0 /11		.01 y .			cervea	comments received from any vendor/ stake
	S.	Amendment	Version	Reasons for Amendment			holders.
	No.	Date					nordors.
	1.	20.05.2022	0.0	First issue			
	2.	00.05.2024	1.0	Incorporate the scope for Thick			
				Web Switch Expansion Joints and			
				End forged Thick web Asymmetric			
				(TWA) rails.			
4	2.0 Pu	rnosa.	l		No comments rec	reived	No changes made in proposed clause as no
-		•	~		No comments received		comments received from any vendor/ stake
				covers all technical requirements for			holders.
				ick Web Switch, Thick Web Switch & B) and End forged Thick web			noiders.
				tion C & D) used for Fresh Vendor			
	-	ration/ Quality					
5		ope of Applica			No comments rec	ceived	No changes made in proposed clause as no
	This shall be applicable for Fresh vendor registration, Quality Audit, up-gradation of Vendors and maintaining the approved list of vendors. In case of any variation between the procedure /provision						comments received from any vendor/ stake
							holders.
				ons and that in this 'Item-Specific			
				prevail. The competent authority			
				ocument shall mean Executive Director			
	Trac	k-II. / Principa	I Executive	Director, Infra-1.			

6	4.0 Procedu	ure / Detai	ls: Procedure/ annexed.	details a	re given	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.	
7	5.0 Referred	l Document	IRS: T-10 (la revision)	test revisio	n), IRS: T	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.	
8			of External O	rigin : None	e		No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
9	7.0 Associate	ed Records:	None				No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
10	8.0 Responsi	ibility and A	uthority:				No comments received	No changes made in proposed clause as no comments received from any vendor/ stake
	Activity Creation, maintenance of this document	Responsible ED/Track -II / Director /Track Design-III	Approver PED/Infra-I	Supporting DD/AIE/ ADE	Consulted M&C Dte.	All vendors / concerned Through website		holders.
	Compliance of directives contained in this document	DD/AIE/ADE	ED/Track-II					
	Requirement of deviation from thisdirective	ED/Track -II / Director/Track	PED/Infra-1	DD/AIE/ ADE	M&C Dte.			
11	9.0 Abbrevia	ntions					No comments received	No changes made in proposed clause as no
	PED/ Infra-1 ED/Track Design-II RDSO DD AIE ADE M&C Dte.		Principal Executive Director / Infrastructure-I			nization		comments received from any vendor/ stake holders.

12	 A. ITEM SPECIFIC GUIDELINES FOR INITIAL APPROVAL/ QUALITY AUDIT OF FIRMS FOR MANUFACTURING 1:8.5, 1:12& 1:16 THICK WEB SWITCHES & THICK WEB SWITCH EXPANSION JOINTS In addition to the "ISO Apex Documents of RDSO", the following specific guidelines shall also be applicable for Initial approval / Quality Audit of vendors for manufacturing of 1:8.5, 1:12 & 1:16 Fabricated Thick Web Switches & Thick Web Switch Expansion Joints: 	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
13	i). List of vendors shall be maintained for various designs/ drawings of 'Thick Web Switches'i.e. of variants 1: 8½, 1:12 & 1:16 by adding respective drawing numbers as per approval. A separate list shall be maintained for Thick Web Switch Expansion Joints (Drawing No. RDSO/T-8822).	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
14	ii). For the purpose of approval of vendor for manufacturing of Thick web switches of particular variant, the vendor shall be required to manufacture prototype of Thick web switch for any of the particular design/drawing (variant) comprising of two sets - one set of left hand and one set of right hand Thick web switch complete. One set of switch shall consist of two thick web tongue rails, two stock rails and all components as per Part List of the respective drawing/design. Prototype approval for the other variants shall be earried out subsequently as and when offered by the firm. For the purpose of approval of vendor for manufacturing of Thick Web Switch Expansion Joints, the vendor shall be required to manufacture prototype of Thick Web Switch Expansion Joints comprising of all components as per part list of the respective drawings, forming one complete set of Thick Web Switch Expansion Joints.	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
15	iii). For the purpose of Quality Audit of the vendor for Thick web switches/ Thick Web Switch Expansion Joints, one sample set of Thick web switch of the design for which the firm is approved (either left hand or right hand switch)/ Thick Web Switch Expansion Joints shall be required to be offered for inspection.	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.

16	iv). The firm shall submit inspection gauge and Jigs and Fixtures drawing for Thick web switches and/or Thick Web Switch Expansion Joints for the design offered for approval to RDSO. In case, Thick web switches / Thick Web Switch Expansion Joints are to be manufactured by vendors using Thick web asymmetric rails arranged by Thick web switch manufacturers, the firm shall submit drawings for End forged	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
	thick web asymmetrical (TWA) rail to be used for manufacturing of TWS, inspection gauge and Jigs and Fixtures drawing for End forged TWA rail also along with application.		
17	v). Two sets of inspection gauges and one set of Jigs and Fixtures each for End forged TWA rail, Thick web switches and/or Thick Web Switch Expansion Joints for the design offered for approval, shall be approved/ revalidated at the time of inspection/ verification of infrastructural facilities during initial approval / quality audit of the firm.	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
18	vi). The inspection gauges, Jigs and Fixtures and prototype shall be required to be got approved by RDSO for each design of thick web switches &Thick Web Switch Expansion Joints. before approval of firm for "List of vendors for development orders". The firm shall be upgraded to list of "Approved vendors" after fulfillment of criteria given in apex ISO documents of RDSO& Para C below.	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
19	vii). For Thick web switches, one set layout on PSC sleepers for switch portion for the design offered for approval to RDSO i.e. 1:8.5, 1:12 & 1:16 turnout along with electrical motor operated Point Machine capable of 220mm stroke (for checking/inspection of SSD with TWS of 160mm throw at ATS) is required for checking/ inspection of Thick web switches as per site conditions.	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
20	viii). For Thick web Switch Expansion Joints, one set layout on PSC sleepers is required for checking/ inspection as per site conditions. In case, thick web switches / are to be manufactured by vendors using their own thick web asymmetric rails, the thick web end forged rails shall be sourced by them as per "Qualifying requirements of tenderers for manufacturing and supply of thick web switches with firms own Asymmetrical End Forged Rails" (Annexure-I).	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
	First stage inspection of End forged Thick web asymmetrical rails		

21	official vendor Asymmetric National Nat	red by switch manufacturer l of RDSO/ nominated in the same per inspection regretated TWA Rails of Zu 260). After satisfactory instruction TWA Rails of Zu 1-60/60E web switches /shall be required offered for final inspective as per extant norms. The shall be considered for mental order" to "Approved a supplied at least 250 Thick ly for more than one variant expansion Joints and fulfills documents.	ime for end forge 1-60/60E1A1 rail pection of 60Kg (United to be manufactured on of RDSO/ nomination of the switches of any not / at least 250 sets	the works of d thick web profile (Grade IC)/60E1 End de 880/R260), d using passed ted inspecting "Vendors for the condition one variant or of Thick web	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.		
22	B. MININ	MUM FACILITIES & MANUFACTURING O K WEB SWITCH EXPA (Schedule of Technic	F THICK WEB S NSION JOINT		No comments received	Maximum surface roughness of machined area and Non-machined area of Cast steel slide chair / Tie plate / Bearing plate are 6.3 micron and 12.5 micron respectively proposed in IRS:T-10-2024. In view of above, the para is modified as		
	1	Gantry Crane facilities	4 T	1 No.		under:		
	2	Circular saw / Circular band saw	900 mm dia.	1 No.		SN Description of requirements Capacity Quantity		
	3	Hydraulic horizontal bending/ straightening machines	350-500T	1 No.		14 Surface 3 - 20 1 No. Roughness Tester micron		
	4	Radial drill	32 mm dia.	1 No.				
	5	Shapers	600 mm stroke	3 No.				
	6	a) Planning machines	i) 13.0 m stroke	1 No.				
			ii) 8.5 m stroke.	1 No.				
			iii) 5.0 m stroke (for item 'Thick web	1 No.				

		1 '	О .
		analysis	Spectromet
			er
11	i) Universal Testing Machine	100T (minimum)	1 No.
11	1) Oniversal Testing Waenine	1001 (mmmum)	1 140.
	ii) Charpy impact testing	-	1 No
	machine		
12	Hardness testers		
	DIM/D I II	DIDI 1 1	1 37
	a) BHN/Rockwell		1 No.
		mm dia.	
	b) Poldi	_	1 No.
	, , , , , , , , , , , , , , , , , , , ,	-	
13	Non-destructive testing		
1.5	_		
			1 No.
	i) USFD Machine		
		Digital type	1 No.
	ii) D.P. test Kit		1 No.
	:::) Magnefluy (M.D. tost Vit)	-	I No.
	III) Magnanux (M.F. test Kit)	-	1 No.
	iv) Metallurgical Microscope		
			1 No.
	v) Polishing Machine		
		facilities	
		-	
1.4	G C D I T	2.7.	1 37
14	Surface Roughness Tester	3 - / micron	1 No.
15	Assembly & Inspection have	A senarate area to be	500 Sq.
13	Assembly & hispection bay		
			meter
		ieveieu mooring.	
16	Dedicated covered area with	-	2000 Sq.
10		_	_
			meter
	instance in nouse property		
	1		
	11 12 13 14 15	ii) Charpy impact testing machine 12 Hardness testers a) BHN/Rockwell b) Poldi 13 Non-destructive testing facilities i) USFD Machine ii) D.P. test Kit iii) Magnaflux (M.P. test Kit) iv) Metallurgical Microscope v) Polishing Machine 14 Surface Roughness Tester 15 Assembly & Inspection bay	ii) Charpy impact testing machine 12 Hardness testers a) BHN/Rockwell BHN hardness tester with ball size 2.5 to 10 mm dia. b) Poldi 13 Non-destructive testing facilities i) USFD Machine ii) D.P. test Kit iii) Magnaflux (M.P. test Kit) iv) Metallurgical Microscope 14 Surface Roughness Tester 15 Assembly & Inspection bay 16 Dedicated covered area with all above machineries 17 BHN hardness tester with ball size 2.5 to 10 mm dia. 500X with digital recording & printing facilities

	17	Coordinate Measuring Machine (CMM) Electronic Dimensional measurements with auto recording facility(Optional)	Adequate for measurement of Tongue rail machining from ATS to JOH/ critical points (as per drawing)	1 No.		
	the firm's pr (minimum tam for Thick x,y & z axe and stock ra details of thi	plano Milling Machine shall be in remises in India to handle thick we able length of 13 m for Thick web web Switch Expansion Joints) in es without handling/re-handling of alls with surface roughness of 3-7 is machine such as performance chas, make & photographs etc.	eb and stock rails in the restriction of the setup for milling oper rails involved in fabrical micron. The firm shall further shall shal	required length e length of 8.5 ration along all tion of tongue rnish complete		
23	REGI MANU THICI In addi the for Registr	SPECIFIC GUIDELING STRATION / QUALITURE AND SUK WEB ASYMMETRICAL AND SUK WEB ASYMMETRICAL AND SUK WEB ASYMMETRICAL AND A SUK WEB A	Y AUDIT OF F PPLY OF END AL (TWA) RAILS: uments of RDSO (La applicable for f irms for manufacture	IRMS FOR FORGED: atest version)" resh Vendor	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
		st shall be maintained for panil section/grade of End F) rails.				
	combin	pproval to End Forging un nation of rail source and rail asymmetrical (TWA) rails.		-		
		e of any change in above of testing shall be carried out.	combination, the ent	ire process of		
	forged inspect	ets of inspection gauges and TWA rail shall be appro- tion/ verification of infra- val / Quality Audit of the firm	oved/ revalidated at structural facilities	the time of		
		web Asymmetric (TWA) fying requirements of tender		_		

- of thick web switches with firms own Asymmetrical End Forged Rails" (Annexure-I).
- vi) The firm shall submit internal test results (ITR) for 03 sample forgings as per drawing for end forged rail (containing at least one sample for LH & one for RH) as per IRS: T-62 (latest) and offer for sample testing. After scrutiny of ITR, RDSO shall carry out sample testing at the works of firm. In this regard, 03 sample forgings as per drawing for end forged rail (containing at least one sample for LH & one for RH) shall be prepared in presence of RDSO officials and necessary tests as per IRS: T-62 (with latest amendments) shall be conducted.
- vii) On successful testing on 03 samples, the firm shall be advised 03 critical locations from hardness considerations as per IRS: T-62 (latest) and firm shall be permitted for End Forging of Thick Web Asymmetrical 60E1A1 profile rails to symmetrical 60E1 profile rails for particular combination of rail source and rail section/grade.
- viii) For easy identification, each End forging shall have legible unique identification, punched at the flange of end forged length.
- ix) The firm shall be considered for upgradation from "Developmental Vendor" category to "Approved Vendors" category subject to the condition that it has supplied at least 500 End Forged Thick Web Asymmetrical Rails and the rejection rate for last 500 End Forgings should be less than 2% (combining internal and external inspection). The firm shall also be required to fulfill the criteria as mentioned in extant apex ISO documents.
- x) For the purpose of Quality Audit of the vendor for 60E1A1 profile TWA rails End Forged to 60E1 profile rails, one sample End Forged Rail (either left hand or right-hand) as per drawing for end forged rail and combination of rail source and rail section/grade of End Forged Thick Web Asymmetrical (TWA) rails for which the firm is approved shall be required to be offered for inspection.

24	D. MINIMUM	FACILIT	IES &	MAC	HINERIES	REQUIRED	FOR
	MANUFACT	URING	OF	END	FORGED	THICK	WEB
	ASYMMETR	ICAL RAI	LS:				

S. No.	Description	Minimum Capacity	Minimum Quantity	
1.	Forging Press with automatic closed die forging process		One No.	
2.	Induction Heating Furnace with controlled atmosphere	1100 °C to 1200°C	One No.	
3.	Gantry Crane facilities	4T	One No.	
4.	Circular saw / Circular band saw	900 mm diameter	One No.	
5.	Hydraulic horizontal bending/ straightening machines	350-500T	One No.	
6.	CNC Plano Milling Machine*	3.0 m stroke*	One No.	
7.	Chemical lab OR Spectrometer	For Chemical Analysis of MS, Medium & Low alloy steel	1 Unit installed in house for we chemical analysis	
		One spectrometer having vacuum emission CCD/PMT with printing facilities should be available for	OR One No. Spectrometer	
8.	Universal Testing Machine	40 T (minimum)	One No.	
9.	Charpy impact testing machine		One No.	
10.	Hardness testers a) BHN/Rockwell	BHN hardness tester with ball size 2.5 to 10	One No.	
	b) Poldi	mm dia. -	One No.	
11.	Non-destructive testing facilities i) Ultrasonic Flaw Detection Machine	Digital type	1 No. 1 No. 1 No.	

No comments received

Maximum surface roughness of machined area and Non-machined area of Cast steel slide chair / Tie plate / Bearing plate are 6.3 micron and 12.5 micron respectively proposed in IRS:T-10-2024.

In view of above, the para is modified as under:

SN	Description of requirements	Minimum Capacity	Min. Quantity	
12	Surface Roughness Tester	3 - 20 micron	1 No.	

	12. 13. 14. * The CNC P	Kit iii) Magnaflux (M.P. test Kit) iv) Metallurgical Microscope v) Polishing Machine Surface Roughness Tester Assembly & Inspection Bay Dedicated covered area with all above machineries installed in house properly	500X with digital recording & printing facilities - 3 - 7 micron A separate area to be dedicated with proper levelled flooring. installed and shall be	1 No. 1 No. 1 No. 500 sq. meter 2000 sq. meter	t the		
25	E. PROFORMA FOR TECHNICAL CAPABILITY / CAPACITY ASSESSMENT OF FIRMS FOR MANUFACTURE AND SUPPLY OF THICK WEB SWITCH/ THICK WEB SWITCH EXPANSION JOINTS/ END FORGED TWA RAILS (To be prepared by the firm in duplicate—Attach extra sheets where ever necessary) SECTION-I GENERALINFORMATION(FORRECORDPURPOSEONLY) 1. Name of the firm:					No comments received	No changes made in proposed clause as no comments received from any vendor/ stake holders.
	(b) V 3. Telepho (a) H (b) V	Address of— Jead Office: Vorks: one No .(with STD Code) Jead office: Vorks: -mail Address of—	/Mobile No.cum	Whatsapp numbe	er–		

(a) Head Office: (b) Works: 5. GST Identification Number of Firm: 6. Description of Works 6.1 Total Land area (insq.meters) 6.2 Total Covered area (insq.meters) 6.3 Different sub-units 6.4 A fully dimensioned plan of the works showing covered area and different shed shall be enclosed: 6.5 Special features, if any. 7. Number of personnel employed (category-wise) 7.1 Managerial 7.2 Supervisory (Enclose list of Managers/Technical Supervisors) 7.3 Skilled/Artisans 7.4 Un-skilled 8. Hours of working 9. Weekely off days 10.State whether the firm is already in the list of Vendor directory on IREPS portal for supply of Over-riding Curved Switches / Thick Web Switches/ Thick Web Switch Expansion Joints/End Forged TWA Rails. If so please give details of last approval: 10.1 Letter date and issued by-10.2 Date of expiry of validity of approval/Next Quality Audit due-11. Details of important orders executed in the past, in reference to the supplies made. 11.1 To other important firms/companies/undertakings.-11.2 Directly to the railways.

SECTION-II: TECHNICAL INFORMATION. 1. Production Capacity (i) Per month	No comments received	No changes made in proposed clause as no comments received from any vendor/ stake
(i) Per month (ii) Per year		holders.
2. Type of Stores/-Items which the firm is capable of manufacturing.		
3. Details of Items for which Fresh Vendor Registration / Quality Audit is sought (please indicate complete description and drawing nos.)		
4. Crane facility No. of Cranes Make of crane Capacity		
(a) EOT Crane		
(b) Chain – pulley block		
(c) Mobile Crane		
5. Jib Cran Total Power availability (In kVA/kW)		
(a) From the State Electricity Board or other regular source		
Enclose a copy of current Electricity Bill)		
(b) From own stand-by Power Generating sets		
6. (Also give make, capacity & other details of each generating set) Machines, As per Schedule of Technical Requirement (STR) given a page 5 & 6 in this document (For manufacturing & supply of Thick web switch/ Thick web switch Expansion Joints) & given at page 8 in this document (For manufacturing & supply of End forged Thick web Asymmetric (TWA) rails	t c	
7. Handling facilities:		
It should be mentioned whether there is proper facilities for handling		
for finished Thick Web Switch / Thick Web Switch Expansion	1	
Joints/End Forged TWA Rails.		
8. A fully dimensioned plan of the works showing locations of various equipment and facilities for manufacture of Thick Web Switch / Thick Web Switch Expansion Joints/ End Forged TWA Rails, flow line indicating locations of various operations during manufacture in proper sequence and storage facilities for finished products may please be enclosed		

27.	SECTION-III: QUALITY ASSURANCE PROGRAMME
	-

- 1. Does the factory have any established Quality Assurance Programme as per ISO: 9001 series? If yes, please enclose a copy of the write-up in sequential order.
- 2. DetailsofQualityAssuranceOrganization.Nameofkeypersonnel,the irqualification, designations and positions in overall management structure (enclose organizational chart for quality control).
- 3. Quality Control testing facilities and laboratory equipment available to be listed along with the make, year of procurement and commissioning.
- 4. Calibration of laboratory test equipment / gauges/ Jigs and Fixtures, as indicated in Para 3 above (Enclose a copy of calibration certificates):

How the calibrations done:

Frequency of calibration of each instrument (Yearly/Half yearly)

- 5. Sourceofprocurementofrawmaterials/boughtoutitemsandstepstakento ensuretheir quality.
- 6. Briefdetailsofmanufacturingprocessasrelevanttotheitemsforwhichregi strationissought.
- 7. Details of inspection / checks done on material during various stages of the above manufacturing process (enclose a copy of approved QAP).
- 8. Has the acceptable the value for the parameters inspected during above stage checks been laid down? If yes, the action taken against values of the parameters inspected does not meet the desired laid-down value.
- 9. System for documentation of the results of the above stage checks.
- 10. Whether the firm is possessing officially issued prints of relevant Drawings and Specifications?

No comments received

Para no. 4 of Section-III: QUALITY ASSURANCE PROGRAMME is modified as under:-

4. Calibration of laboratory test equipment / inspection gauges/ Jigs and Fixtures, as indicated in Para 3 above (Enclose a copy of calibration certificates):

How the calibrations done:
Frequency of calibration of each instrument (Yearly/Half yearly except for inspection gauge/ jigs and fixtures:
Frequency of calibration is yearly)

28.	SE	CTION-IV DECLARATION:	No comments received	No changes made in proposed clause as no
	1.	We do hereby declare that the above particulars are correct and no discrepancy shall be found during actual investigation before and during execution of order on our firm.		comments received from any vendor/ stake holders.
		Any change in the Plant & Machinery, change of place of office and place of works premises shall be brought to the notice of RDSO for clearance and approval.		
		We also declare that our concern has not been black listed by Railway, Railway Board/RDSO for business with the Railways.		
		We hereby undertake that all our equipment for manufacture and testing as listed above shall be maintained in good working order at all times.		
		We hereby declare that the contents and instructions of ISO Apex Documents of RDSO have been ready by us and our firm shall agree to abide by all the stipulations laid therein.		
		We hereby undertake to maintain the record of the following in proper format:		
		a) Procurement of raw material for production of Thick Web Switch / Thick Web Switch Expansion Joints / End Forged TWA Rails		
		b) Supply of Thick Web Switch / Thick Web Switch Expansion Joints / End Forged TWA Rails against various P.Os		
		c) Disposal of rejected Thick Web Switch / Thick Web Switch Expansion Joints / End Forged TWA Rails. Place:		
		Signature		
	I	Date:		
		Name in full of Signing Authority		
		Designation in the Firm		
		Stamp of the firm		

No changes made in proposed clause as no 29. No comments received Annexure-1 comments received from any vendor/ stake QUALIFYING REQUIREMENTS OF **TENDERERS FOR** holders. MANUFACTURING AND SUPPLY OF THICK WEB SWITCHES & THICK WEB SWITCH EXPANSIONJOINTS WITH FIRM'S OWN ASYMMETRICAL END FORGED RAILS Asymmetrical rail of ZU-1-60/60E1A1 Rail profile shall be 1.0 sourced from rail manufacturer(s): Who have supplied asymmetrical rails as per IRS-T-12 / 2009 as amended from time to time, during last 7 (seven) years and current year i.e. from 01.01.2011 upto the date of tender opening for use in thick web switches on Indian Railways or KRCL or RVNL or any state/Central Government owned Metro Railways in India. Certificate from user Railways Network about satisfactory performance of asymmetrical rails supplied in this regards should be submitted by the tenderer. OR (b) If manufacturing facilities of Asymmetrical Rails are not located in India, then Rail manufacturer should have supplied 60 Kg rails in India as per IRS-T-12 / 2009 as amended from time to time during last 7 (seven) years and current year i.e. from 01.01.2011 up to the date of tender opening and theses rails should have been used on Indian Railways or KRCL or RVNL or any State/Central Government owned Metro Railways in India; AND should have supplied asymmetrical rails, during last 7 (seven) years and current year i.e. from 01.01.2011 up to the date of tender opening, for fabrication of thick web switches to/ for passenger/ mixed traffic carrying Railways networks in minimum 3 (Three) countries and which should have been used on such railway networks. Certificates from the user Railway networks of these countries about satisfactory performance of Thick Web Switches manufactured from these rails should be submitted by the tenderer. OR Domestic asymmetric rail manufacturers qualified as eligible, (c)

	(Provisionally approved vender or Approved vendor both) in accordance with the policy as detailed in Para I. B. (iii) of Policy issued vide No. CT/Policy/02 dated 28.01.2022	
2.0	The tenderer should have facilities with them or Memorandum of understanding (MoU) valid on date of tender opening with agency having facilities for end forging of asymmetrical rail of ZU-1-60/60E1A1 profile into 60Kg UIC/60E1 rail section conforming to Indian Railways specification for supply of end forged Asymmetrical rail of ZU-1-60/60E1A1 rail profile for manufacturing tongue rail. The tenderer shall submit a certificate of having facilities of End Forging of Asymmetrical Rails of ZU-1-60/60E1A1 profile in to 60Kg Rails or shall submit MoU mentioned above with supporting documents.	