



पूर्वतटरेलवे/EAST COAST RAILWAY
मुख्यालयकार्यालय, कार्मिकविभाग, रेलसदन, साउथ ब्लॉक, भुवनेश्वर
Headquarters Office, Personnel Department, Rail Sadan,
South Block Bhubaneswar-751017



No: ECoR/Pers/Selection/JE/DPQ/CBT/Notice

Date-17th October' 2025

NOTIFICATION

Sub: Notification for filling up of Junior Engineer post in Level 06 in East Coast Railway against Departmental Promotion quota in different departments.

It has been decided to fill up the vacant posts of Junior Engineer in Level-06 of this railway on regular basis against Departmental Promotion Quota in different departments of ECoRly. The details of which is given below.

1	No of Vacancy	Details of vacancy position are attached as Annexure- A
2	Pay Scale	Level-06 in 07 th CPC
3	Eligibility Conditions	a. In terms of RBE No-31/2005, the post will be filled up from amongst Sr. Technicians in identical grade in Level-06 subject to the condition that the existing Technician Gr-I as may be senior to those fitted as Sr. Technician as per procedure in force until now will also be considered for selection for promotion as JE. b. In terms of RBE No-21/2014, in the event of Sr. Technicians unwillingness to seek promotion to the post of JE or adequate number of eligible Sr. Technicians are not available, Technician Gr-I who have completed two years' regular service, may be made eligible for promotion to the post of JE against promotion quota. c. As it is a selection post, the staff will be called on the basis of 01:03 ratio from amongst senior most staff in seniority according to their community. d. The cut-off date for determining the eligibility is the date of issue of this notification.
4	Zone of Consideration	The details of staff who are coming under zone of consideration on the basis of 01:03 formula and seniority against the notified vacancies, are attached as Annexure. Annexure-B (S&T) (i)- JE/Signal/40% DPQ (ii) JE/Tele/30% DPQ Annexure-C (Civil Engg) (i) JE/Works/25% DPQ (ii) JE/TM/25% DPQ Annexure- D (Mechanical) (i) JE/C&W/25% DPQ (ii) JE/WS/25% DPQ (iii) JE/Dls/Mech/25% DPQ (iv) JE/Dls/Elect/25% DPQ Annexure-E (Electrical) (i) JE/OP/25% DPQ (ii) JE/GS/25% DPQ (iii) JE/TRD/25% DPQ (iv) JE/TRS/25% DPQ

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		Staff coming under zone of consideration, may submit their unwillingness to appear the selection if any in proper format (Annexure-X) attached with this notification and also if any representation against zone of consideration may submit within 7 days from the date of issue of notification through their Supervisor/Controlling Officer to make good the zone of consideration as per 1:3.
5	Syllabus	Department and Category wise Syllabus are enclosed at Annexure-G (JE/Signal & JE/Tele) Annexure-H (JE/Works) Annexure-I (JE/TM) Annexure-J (JE/C&W) Annexure-K (JE/WS) Annexure-L (JE/Dis/Mech) Annexure-M (JE/Dls/Elect) Annexure-N (JE/OP) Annexure-O (JE/GS) Annexure-P (JE/TRS) Annexure-Q (JE/TRD)
6	Pre-Selection Training	a. The pre-selection coaching will be held w.e.f. 27.10.2025 to 17.11.2025. b. The pre-selection training will be provided to eligible reserved employee by their respective Unit/Division/Department in terms of RBE No-142/2019 in the above scheduled. c. Further, a confirmation may be communicated to this office on completion of the pre-selection training on or before 18.11.2025.
7	Mode of Selection	a. The eligible staff who satisfy the above prescribed conditions of eligibility will be called for selection which will comprise of written examination on CBT/TBT Mode followed by scrutiny of Service Record, last three years APARs etc. Written Examination: i. The questions of the written examination will be 100% objective multiple choice type both in Hindi & English. ii. The written examination will be a computer-based test (CBT)/Tablet Based Test(TBT) where there will be no physical question paper. All the questions will appear on the Computer/Tablet and the employee will have to mark their responses/answers to the question on Computer/Tablet. iii. There will be 110 questions of objective multiple-choice types with four answer options. Out of 110 questions, 10 questions (optional) will be from "Rajbhasha". And the candidate has to answer a maximum of 100 questions. In case the candidate answers more than 100 questions, first 100 attempted questions are to be taken for evaluation and rest will be ignored. iv. There shall be no negative marking for wrong/incorrect answer as the panel will be arranged in order of seniority from those qualified. v. In terms of RBE No-91/2022, Answer key will be published in the [https://rrcbbs.org.in] website after

Key

		completion of main written exam and supplementary exam if any. vi. Answer/Response sheets will be evaluated in terms of RBE No-59/2022 & 122/2023 through computerization mode. vii. Both physical and biometric attendance marked at the examination venue. viii. The written passed candidates should have passed the prescribed medical standard for the notified post. b. The panel will be finalized by respective Unit/Division after publication of written result. c. The final panel will be drawn for notified vacancies in order of seniority from those who secure a minimum 60% marks in professional ability (i.e. Written Test), and 60% marks in the aggregate in 'Record of Service', Last three years APARs. However, those who secure minimum 60% marks in written test, their Service Records and APARs will be scrutinized. The promotion of the empaneled candidates are subject to passing of requisite medical standard, SPE/Vigilance/D&AR clearance and promotional course training as required as per extant rules. There is no relaxation of marks for reserved community candidates for Safety category post. d. The provision of "Outstanding" will be applicable as per extant rules.
	Duration of Examination	The duration of the written exam will be 02:00Hrs (120 Minutes.)
8	OBJECTION TRACKER	The provisional answer key will be uploaded in east coast railway website [https://rrcbbs.org.in] on completion of written exam. The Examinees may submit their representation if any, in the provided link, in respect to the provisional answer key within 03 days from the date of written exam. No further correspondence about any wrong answer/question will be entertained after above stipulated period.
9	Issue of Admit Card	a. RRC/ECOR will issue e-admit card online (through the website https://rrcbbs.org.in) to eligible and willing employee for appearing in the CBT/TBT. Examination Venue and time of reporting for the written examination will be there in the admit card. As no physical communication will be made after issue of this vacancy notice, it will be the responsibility of the concerned employees to regularly visit https://rrcbbs.org.in website for an update and to download the e-admit card as and when made available by RRC. b. A link will also be made available on the above website [https://rrcbbs.org.in] to the employees, explaining as to how the question will be appearing and how to mark the responses/answers in the actual examination. Employees can practice through that link. (Tentatively four days before main written exam)
10	Tentative Date	1. Date of Pre-Selection Coaching: 27.10.2025 to 17.11.2025 2. Date of Written Test: 20.11.2025
11	Supplementary Written Exam	Supplementary written examination can be held for candidates coming under the following condition

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		i. Failure on the part of the administration to relieve the candidate, sickness of the employees of other reasons beyond his/her control. (IREM Para-223)
12	Note: Wide publicity should be given amongst eligible staff. The copy of notification should be displayed on notice board at a conspicuous place. All the Supervisors concerned should ensure the same. It is the responsibility of the supervisor concerned to bring the notification to the notice of all staff who are coming under zone of consideration including the staff who are on deputation/leave/sick under clear acknowledgement. If any complaint is received from the employees for not being notified of the said notification, supervisory staff concerned will be held responsible. This notification shall be given wide publicity among the staff and copy of the notification may be pasted in the office notice board also. This notification is also available in East Coast Railway website at [https://rrcbbs.org.in]	
13	Other Conditions	Any other provisions of IREM or circular issued by Railway Board regarding terms and conditions of above selection and other conditions applicable if any inadvertently omitted in this notification should be treated as valid and operative.

- Encl:** 1. List of Zone of Consideration post and unit wise (Annexure-B-i to E-iv)
2. Syllabus post wise (Annexure-G to Q)
3. List of Vacancy post and unit wise (Annexure-A)
4. Unwillingness format (Annexure-X)

(Subash Chandra Hota)

**Assistant Personnel Officer-(HQ-I)
For Principal Chief Personnel Officer**

Copy to All Concerned

1. PHODs/CHODs/HODs of ECoR/HQ/BBS
2. CAO/Con/ECoR/BBS
3. CAO/Con/RSP/ECoR/BBS
2. DRM/ECoR/KUR, WAT & SBP
3. CWM/CRW/MCS
4. CSTE/Project/ECoR/BBS
5. CE/TM/ECoR/BBS
4. DRM[P]/ECoR/KUR, WAT & SBP
5. AWPO/CRW/MCS
5. Sr.DSTE, Sr.DME, Sr.DEN, Sr.DEE/ECoR/KUR, WAT & SBP
6. Dy.CPO/RRR/ECoR/BBS
7. Ch.OS/Confidential/ECoR/BBS
8. NOTICE BOARD of PCPO Office/ECoR/BBS

For Principal Chief Personnel Officer

ANNEXURE-A

CATEGORY WISE AND COMMUNITY WISE VACANCY FOR SELECTION OF JUNIOR ENGINEERs IN ALL ENGINEERING DEPARTMENT AGAINST DEPARTMENTAL PROMOTION QUOTA.

Department & Name POST	Mode of Filling	KUR					SBP					WAT					HQ					MCS					TOTAL
		U R	S C	S T	Total	Pw BD	U R	S C	S T	Total	Pw BD	U R	S C	S T	Total	Pw BD	U R	S C	S T	Total	Pw BD	U R	S C	S T	Total	Pw BD	
Electrical JE/Electrical (OP)	25% DPQ	02	00	00	02	01	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	02
JE/Electrical (GS)	25% DPQ	02	01	00	03	01	00	00	00	00	00	03	01	00	04	01	00	00	00	00	00	00	00	00	00	00	07
JE/Electrical (TRS)	25% DPQ	01	00	00	01	01	00	00	00	00	00	03	02	01	06	00	00	00	00	00	00	00	00	00	00	00	07
JE/Electrical (TRD)	25% DPQ	06	01	01	08	01	01	00	00	01	00	02	01	01	04	00	00	00	00	00	00	00	00	00	00	00	13
Civil Engineering JE/Works	25% DPQ	02	01	01	04	01	01	00	00	01	01	06	00	02	08	01	00	00	00	00	00	00	00	00	00	00	13
Civil Engineering JE/TM	25% DPQ	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	29	04	03	36	00	00	00	00	00	00	36
Mechanical JE/C&W	25% DPQ	08	02	00	10	01	00	00	01	01	01	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	11
Mechanical JE/WS	25% DPQ	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	02	00	00	02	01	02

Note: Vacancy shown for PwBDs are included in the total vacancy

[Signature]

CATEGORY WISE AND COMMUNITY WISE VACANCY FOR SELECTION OF JUNIOR ENGINEERs IN ALL ENGINEERING DEPARTMENT AGAINST DEPARTMENTAL PROMOTION QUOTA.

Department & Name POST	Mode of Filling	KUR					SBP					WAT					HQ					MCS					TOTAL
		U R	S C	S T	Total	Pw BD	U R	S C	S T	Total	Pw BD	U R	S C	S T	Total	Pw BD	U R	S C	S T	Total	Pw BD	U R	S C	S T	Total	Pw BD	
Mechanical JE/DLS Elect	25% DPQ	00	00	00	00	00	00	00	00	00	00	01	00	00	01	00	00	00	00	00	00	00	00	00	00	00	01
Mechanical JE/DLS Mech	25% DPQ	00	00	00	00	00	00	00	00	00	00	03	00	00	03	00	00	00	00	00	00	00	00	00	00	00	03
Signal & Telecom JE/Tele	30% DPQ	01	01	00	02	01	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	02
Signal & Telecom JE/Signal	40% DPQ	03	01	00	04	01	02	00	00	02	01	03	01	00	04	00	00	00	00	00	00	00	00	00	00	00	10
Grand Total		25	07	02	34	08	04	00	01	05	03	21	05	04	30	02	29	04	03	36	00	02	00	00	02	01	107

Note: Vacancy shown for PwBDs are included in the total vacancy.

Ref

For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Signal & Telecom	JE Signal	SBP	04	Chamanlal Bhaghel, (UR)	Sr.Tech (SM)	L-06	RNBT	
			05	Prakash Mahanand, (SC)	Sr.Tech (SM)	L-06	MNGD	
			06	Rabishankar Kumar, (SC)	Sr.Tech (SM)	L-06	LPG	
Signal & Telecom	JE Signal	WAT	01	G. Srinivas Rao, (ST)	Sr.Tech (SM)	L-06	MYD	
			02	N.R.M Krishna, (ST)	Sr.Tech (SM)	L-06	PDT	
			03	B Sita Pati, (SC)	Sr.Tech (SM)	L-06	VZM	
			04	B R Kashyap, (ST)	Sr.Tech (SM)	L-06	TPQ	
			05	E S Prasad, (UR)	Sr.Tech (SM)	L-06	DVD	
			06	B K Sethi, (SC)	Sr.Tech (SM)	L-06	MYD	
			07	K Venkatesh (UR)	Sr.Tech (SM)	L-06	VSKP	
			08	K Prasanna Kumar (UR)	Sr.Tech (SM)	L-06	VSKP	
			09	R Srikanth (UR)	Sr.Tech (SM)	L-06	VSKP	
			10	Ch. Srinivasa Rao (SC)	Sr.Tech (SM)	L-06	VZM	
			11	Ghasi Ram Durga (SC)	Sr.Tech (SM)	L-06	KRPU	
			12	K R Anand Kumar	Sr.Tech (SM)	L-06	MYD	



For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Signal & Telecom	JE Signal	KUR	01	Gosain Charan Singh, (ST)	Sr.Tech (ESM)	L-06	BRAG	
			02	Digambar Lohara, (ST)	Sr.Tech (ESM)	L-06	PUI/S/KUR	
			03	Madhabananda Behera, (SC)	Sr.Tech (ESM)	L-06	GBK/CTC	
			04	Narayan Sethi, (SC)	Sr.Tech (ESM)	L-06	MLT/S/KUR	
			05	Prasenjit Biswas, (SC)	Sr.Tech (ESM)	L-06	DNM/CTC	
			06	Neeraj Deepak Topwar, (ST)	Sr.Tech (ESM)	L-06	MRDL/TLHR	
			07	Lal Mohan Mahanta, (OBC)	Sr.Tech (ESM)	L-06	KNPR/CTC	
			08	Chanchal Roy, (UR)	Sr.Tech (ESM)	L-06	GJTA/CTC	
			09	Mrutyunjaya Mishra (UR)	Sr.Tech (ESM)	L-06	CTC	
			10	Pradeep Ku. Jena, (UR)	Sr.Tech (ESM)	L-06	BBS	
			11	Tapas Kumar Kar (UR)	Sr.Tech (ESM)	L-06	FCNL/KUR	
			12	P.Laxmimi Narayana, (SC)	Sr.Tech (ESM)	L-06	BAM	
Signal & Telecom	JE Signal	SBP	01	Barial Baskey, (ST)	Sr.Tech (SM)	L-06	SBP	
			02	Chittaranjan Ojha, (UR)	Sr.Tech (SM)	L-06	BMKJ	
			03	Rameswar Kumar, (SC)	Sr.Tech (SM)	L-06	SFK	



for

ANNEXURE-B (ii)

For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Signal & Telecom	JE Tele	KUR	01	RR Choudhury (UR)	Sr.Tech (TCM)	L-06	CTC	
			02	Jogendra Das (UR)	Sr.Tech (TCM)	L-06	CNL/KUR	
			03	A.D.Souza (UR)	Sr.Tech (TCM)	L-06	CNL/KUR	
			04	Bhishma Behera (SC)	Sr.Tech (TCM)	L-06	KIS/CTC	
			05	Suresh Chandra Behera (SC)	Sr.Tech (TCM)	L-06	BAM	
			06	Kella Srinivas (SC)	Sr.Tech (TCM)	L-06	CTC	



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For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Civil Engg.	JE Works	KUR	01	Bhima Soren (ST)	Sr.Tech Painter	L-06	SE/W/BAM	
			02	Narayana Parida, (UR)	Sr.Tech Blacksmith	L-06	SSE/PW/RBA/KIT	
			03	K Jagannath Rao, (SC)	Sr.Tech Fitter	L-06	SSE/W/MCS	
			04	P.M. Behera, (SC)	Sr.Tech Fitter	L-06	SSE/W/CTC	
			05	Baidyanath Bindhani, (ST)	Sr.Tech Blacksmith	L-06	SSE/PW/KUR	
			06	A L N Murthy (SC)	Sr.Tech Mason	L-06	SSE/W/HQ/KUR	
			07	S K Mallick, (SC)	Sr.Tech Painter	L-06	SSE/W/MCS	
			08	B.K. Dash (UR)	Sr.Tech Fitter	L-06	SSE/W/KDJR	
			09	Dula Hembrom, (ST)	Sr.Tech Mason	L-06	SSE/W/HQ/KUR	
			10	Manoj Kumar Biswal, (UR)	Sr.Tech Blacksmith	L-06	SSE/W/HQ/KUR	
			11	Rabindra Jally, (SC)	Sr.Tech Welder	L-06	DEW/CTC	
			12	P. Rama Rao (ST)	Sr.Tech Mason	L-06	SSE/W/BBS	
Civil Engg.	JE Works	SBP	01	V. Sanyasi Rao, (OBC)	Sr.Tech (Grinder)	L-06	AMB	
			02	N.P.M Rao, (OBC)	Sr.Tech (Aligner)	L-06	AMB	
			03	M. Kusulia, (SC)	Sr.Tech (Welder)	L-06	BLGR	



For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Civil Engg.	JE Works	WAT	01	M Rama Krishna (UR)	Sr.Tech (Ancillary)	L-06	W/ARK	
			02	Boddepalli Ramana (UR)	Sr.Tech (Fitter)	L-06	W/ VZM	
			03	Boni Krihsna (SC)	Sr.Tech (ECR)	L-06	W/ VZM	
			04	Kuda Hanumantha Rao (ST)	Sr.Tech (ECR)	L-06	WAT /ST	
			05	Salumuri Srinivasa Rao (UR)	Sr.Tech (EBS)	L-06	MYD / P	
			06	Konna Kirana Kumar (UR)	Sr.Tech (Grinder)	L-06	P /VBL	
			07	Santosh Kumar Mathai (UR)	Sr.Tech (PLF)	L-06	MYD /W	
			08	Namidi Satyam (SC)	Sr.Tech (Grinder)	L-06	P /WAT	
			09	Pangi Donnu (ST)	Sr.Tech (EBS)	L-06	SUP / P	
			10	Chain Singh (UR)	Sr.Tech (Painter)	L-06	W / KRDL	
			11	Ramesh Chandra Moharana (UR)	Sr.Tech (Painter)	L-06	LKMR /W	
			12	Boddepalli Bheema Rao	Sr.Tech (Painter)	L-06	CHE / P	
			13	Sashumahanati Govnda Rao (UR)	Sr.Tech (EBS)	L-06	CHE / P	
			14	Majji Srinivasa Rao (UR)	Sr.Tech (EBS)	L-06	P /VZM	
			15	D Ravi Kumar (UR)	Sr.Tech (Welder)	L-06	P /KTV	
			16	Yellapu Ramesh (UR)	Sr.Tech (EBS)	L-06	WAT /W	



for

For Category wise vacancies please refer Annexure-A (JE Vacancies)
NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Civil Engg.	JE Works	WAT	17	M Srinivasa Rao (UR)	Sr.Tech (ECR)	L-06	VZM /W	
			18	Mantha Narashima Nooka Raju (UR)	Sr.Tech (ECR)	L-06	WAT / ST	
			19	Dhanamsetti Venkata Rao (UR/ST)	Sr.Tech (ECR)	L-06	ARK /W	
			20	Dasari Lakshmana Rao (ST)	Sr.Tech (PLF)	L-06	WAT / W	
			21	Vijay Singh Meena (ST)	Sr.Tech (Fitter)	L-06	Br / RGDA	
			22	Buridi Ramakrishna (ST)	Sr.Tech (Rivettor)	L-06	Br / WAT	
			23	Nehnu Ram Meena (ST)	Sr.Tech (SPOM)	L-06	W / KRDL	

For Category wise vacancies please refer Annexure-A (JE Vacancies)
NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Civil Engg.	JE TM	HQ	01	Sarat Kumar Mishra (UR)	Sr.Tech	L-06	KUR	
			02	Akhandala Das (UR)	Sr.Tech	L-06	KUR	
			03	Arjun Charan Jena (SC)	Sr.Tech	L-06	KUR	
			04	Ashok Kumar Muduli (UR)	Sr.Tech	L-06	KUR	
			05	SK. Riyazul Ali (UR)	Sr.Tech	L-06	KUR	
			06	Satyananda Samal (UR)	Sr.Tech	L-06	IOHD/KUR	
			07	B.S.Ramkrishana Raju (UR)	Sr.Tech	L-06	WAT	
			08	Ranjit Kumar Sahu (UR)	Sr.Tech	L-06	KUR	
			09	Ranjan Kumar Moharana (UR)	Sr.Tech	L-06	KUR	
			10	Bairagi Charan Gouda (UR)	Sr.Tech	L-06	KUR	
			11	Pravakar Pradhan (UR)	Sr.Tech	L-06	KUR	
			12	B. Jagadesh Babu (UR)	Sr.Tech	L-06	WAT	
			13	Maguni Charan Singh (ST)	Sr.Tech	L-06	KUR	
			14	Chittaranjan Singh (ST)	Sr.Tech	L-06	KUR	
			15	Manoj Kumar Sabut (UR)	Sr.Tech	L-06	KUR	
			16	V.Laxman Rao (SC)	Sr.Tech	L-06	WAT	



Signature

For Category wise vacancies please refer Annexure-A (JE Vacancies)
NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Civil Engg.	JE TM	HQ	17	Debendra Senapati (SC)	Sr.Tech	L-06	SBP	
			18	Sachidananda Satpathy (UR)	Sr.Tech	L-06	KUR	
			19	D.Tirumala Rao (UR)	Sr.Tech	L-06	WAT	
			20	S.Ravi Krishna (UR)	Sr.Tech	L-06	WAT	
			21	Amiya Kumar Sahoo (UR)	Sr.Tech	L-06	SBP	
			22	Artatran Sethi (SC)	Sr.Tech	L-06	IOHD/KUR	
			23	Laxmidhar Behera (SC)	Sr.Tech	L-06	SBP	
			24	Mochiram Jalli (SC)	Sr.Tech	L-06	SBP	
			25	Brahmananda Das (SC)	Sr.Tech	L-06	KUR	
			26	Sanjay Kumar Sahu (UR)	Sr.Tech	L-06	SBP	
			27	Awadhesh Kumar Singh (UR)	Sr.Tech	L-06	BLGR	
			28	K.R.Achary (UR)	Sr.Tech	L-06	SD/BLGR	
			29	J V G Patnaik (UR)	Sr.Tech	L-06	WAT	
			30	B.Narayana Rao (UR)	Sr.Tech	L-06	KUR	
			31	M.Laxminarayana (UR)	Sr.Tech	L-06	WAT	
			32	Devi Prasad Pattanaik (UR)	Sr.Tech	L-06	WAT	

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For Category wise vacancies please refer Annexure-A (JE Vacancies)
NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Civil Engg.	JE TM	HQ	33	Akhyia Kumar Nayak (SC)	Sr.Tech	L-06	KUR	
			34	Katul Mohan Rao (OBC)	Sr.Tech	L-06	KUR	
			35	G Suprabhakar Rao (UR)	Sr.Tech	L-06	KUR (IOHD)	
			36	N Meghanath (UR)	Sr.Tech	L-06	KUR (IOHD)	
			37	Naba Kishor Pradhan (UR)	Sr.Tech	L-06	KUR	
			38	Dibyasingh Barik (UR)	Sr.Tech	L-06	KUR (IOHD)	
			39	SK. Nizam (UR)	Sr.Tech	L-06	KUR	
			40	Saroj Kumar Sahoo (SC)	Sr.Tech	L-06	KUR	
			41	Biranchi Narayan Hota (UR)	Sr.Tech	L-06	KUR	
			42	Bikash Kumar Jena (UR)	Sr.Tech	L-06	KUR	
			43	S.Tarkeswar Rao (UR)	Sr.Tech	L-06	KUR	
			44	Maheswar Marndi (ST)	Sr.Tech	L-06	SBP	
			45	K.Brahma (SC)	Sr.Tech	L-06	WAT	
			46	G.Balayogi (SC)	Sr.Tech	L-06	WAT	
			47	Dukhi Ram Hembram (ST)	Sr.Tech	L-06	SBP	
			48	Pradipta Kumar Sahoo (UR)	Sr.Tech	L-06	KUR	



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For Category wise vacancies please refer Annexure-A (JE Vacancies)
NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Civil Engg.	JE TM	HQ	49	S.Chandrasekhara Rao (OBC)	Sr.Tech	L-06	WAT	
			50	B.Phalguna Rao (OBC)	Sr.Tech	L-06	WAT	
			51	M.Someswara Rao (OBC)	Sr.Tech	L-06	WAT	
			52	Sudhir Kumar Parida (UR)	Sr.Tech	L-06	KUR	
			53	Karia Baskey (ST)	Sr.Tech	L-06	SBP	
			54	Sujit Behera (SC)	Sr.Tech	L-06	KUR	
			55	Pradeep Kumar Parida (SC)	Sr.Tech	L-06	KUR	
			56	Antarjyami Behera (UR)	Sr.Tech	L-06	KUR	
			57	Ch. Veera Brahman (OBC)	Sr.Tech	L-06	WAT	
			58	Akshya Kumar Mishra (UR)	Sr.Tech	L-06	KUR	
			59	K.N.S.S Manyam (OBC)	Sr.Tech	L-06	WAT	
			60	M.Satya Rao (OBC)	Sr.Tech	L-06	WAT	
			61	V. Tarakeswara Rao (UR)	Sr.Tech	L-06	WAT	
			62	M. Venkataswara Rao (UR)	Sr.Tech	L-06	WAT	
			63	D. Satya Rao (UR)	Sr.Tech	L-06	WAT	
			64	Madhusudan Muduli (OBC)	Tech-I	L-05	KUR	

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For Category wise vacancies please refer Annexure-A (JE Vacancies)
NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Civil Engg.	JE TM	HQ	65	Ashok Kumar Jena (UR)	Tech-I	L-05	KUR	
			66	P. Kurmanayukulu (OBC)	Tech-I	L-05	WAT	
			67	Manoj Kumar Sharma (OBC)	Tech-I	L-05	KUR	
			68	A.Koteswar Rao (OBC)	Tech-I	L-05	WAT	
			69	K.Venkateshwara Rao (OBC)	Tech-I	L-05	WAT	
			70	Digvijay Kumar Raj (UR)	Tech-I	L-05	WAT	
			71	K.Srinivasa Rao (OBC)	Tech-I	L-05	WAT	
			72	L.Sai Kiran Kumar (UR)	Tech-I	L-05	WAT	
			73	Tapan Kumar Mohapatra (UR)	Tech-I	L-05	KUR	
			74	K.Venkata Reddy (OBC)	Tech-I	L-05	WAT	
			75	Pediredla Srinivasa Rao (UR)	Tech-I	L-05	WAT	
			76	S.Taviti Naidu (OBC)	Tech-I	L-05	WAT	
			77	S.Malleswara Rao (OBC)	Tech-I	L-05	WAT	
			78	Maheswar Behera (SC)	Tech-I	L-05	KUR	
			79	Kunal Kumar (OBC)	Tech-I	L-05	KUR	
			80	T.V Appa Rao (OBC)	Tech-I	L-05	WAT	



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For Category wise vacancies please refer Annexure-A (JE Vacancies)
NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Civil Engg.	JE TM	HQ	81	Vinod Kumar Panda (UR)	Tech-I	L-05	WAT	
			82	Potnuru Srinivasa Rao (UR)	Tech-I	L-05	WAT	
			83	G.Suresh Kumar (SC)	Tech-I	L-05	WAT	
			84	B.Suresh kumar (UR)	Tech-I	L-05	WAT	
			85	P.V.Prasada Rao (OBC)	Tech-I	L-05	WAT	
			86	M.Kiran Kumar (OBC)	Tech-I	L-05	WAT	
			87	G.Sankara Rao (OBC)	Tech-I	L-05	WAT	
			88	Ravi Prakash Singh (SC)	Tech-I	L-05	KUR	
			89	Sabuja Kumar Malik (SC)	Tech-I	L-05	WAT	
			90	S. Nageswara Rao (SC)	Tech-I	L-05	WAT	
			91	Narayan Behera (SC)	Tech-I	L-05	KUR	
			92	Sagar Behera (SC)	Tech-I	L-05	SBP	
			93	Surendra Barik (SC)	Tech-I	L-05	SBP	
			94	Bonthu Suresh (SC)	Tech-I	L-05	WAT	
			95	Radha Kanta Mondal (SC)	Tech-I	L-05	KUR	
			96	Banabasi Behera (SC)	Tech-I	L-05	SBP	

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For Category wise vacancies please refer Annexure-A (JE Vacancies)
NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Civil Engg.	JE TM	HQ	97	Chandramani Jena (SC)	Tech-I	L-05	KUR	
			98	Sapparapu Timothy (SC)	Tech-I	L-05	WAT	
			99	Siba Sethi (SC)	Tech-I	L-05	KUR	
			100	Sanjay Kerketta (ST)	Tech-I	L-05	KUR	
			101	Bablu Majhi (ST)	Tech-I	L-05	KUR	
			102	Manoj Bara (ST)	Tech-I	L-05	SBP	
			103	Niranjana Sehul (ST)	Tech-I	L-05	SBP	
			104	M. Ananda Rao (ST)	Tech-I	L-05	WAT	
			105	Purna Chandra Baskey (ST)	Tech-I	L-05	KUR	
			106	Daluram Singh (ST)	Tech-I	L-05	KUR	
			107	Bhaya Hembram (ST)	Tech-I	L-05	KUR	
			108	Chandra Mohan Soren (ST)	Tech-I	L-05	KUR	



For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Mechanical	JE C&W	KUR	01	Pakki Nagappa (ST)	Sr.Tech (Fitter)	L-06	BBS	
			02	P Jagadish Patnaik, (UR)	Sr.Tech (Fitter)	L-06	BBS	
			03	Gojja Jagga Rao, (SC)	Sr.Tech (Fitter)	L-06	PSA	
			04	Bipin Kumar Samantaray, (UR)	Sr.Tech (Fitter)	L-06	BBS	
			05	B. Srinivas Rao, (UR)	Sr.Tech (Fitter)	L-06	PUI	
			06	Nrusingha Charan Sarangi, (UR)	Sr.Tech (Fitter)	L-06	BBS	
			07	G. V. Brahmananda Sastry, (UR)	Sr.Tech (Fitter)	L-06	PSA	
			08	S.K.V.P. Sinha, (UR)	Sr.Tech (Fitter)	L-06	BBS	
			09	Durgasa Sudarsan Rao, (UR)	Sr.Tech (Fitter)	L-06	KUR	
			10	S V Naraasimha Prasad, (UR)	Sr.Tech (Fitter)	L-06	KUR	
			11	Pradip Kumar Paikaray, (UR)	Sr.Tech (Fitter)	L-06	BBS	
			12	Datti Nagu, (OBC)	Sr.Tech (Fitter)	L-06	PUI	
			13	Tarani Prasad Biswal, (UR)	Sr.Tech (Fitter)	L-06	BBS	
			14	M Venkata Ramana Murthy, (ST)	Sr.Tech (Fitter)	L-06	PUI	
			15	Jogi Sethi, (SC)	Sr.Tech (Fitter)	L-06	PUI	
			16	Sunaram Soren, (ST)	Sr.Tech (Blacksmith)	L-06	PUI	

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For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Mechanical	JE C&W	KUR	17	Imtiaz Ur Raheman (UR)	Sr.Tech (Fitter)	L-06	CTC	
			18	Binayak Sahoo (ST)	Sr.Tech (Fitter)	L-06	PUI	
			19	Rabindra Nath Singh, (ST)	Sr.Tech (Fitter)	L-06	BBS	
			20	Rajendra Kumar Sahu, (OBC)	Sr.Tech (Fitter)	L-06	BHC	
			21	K Bhagavati Rao, (SC)	Sr.Tech (Fitter)	L-06	PUI	
			22	P. Nageswara Rao, (UR)	Sr.Tech (Fitter)	L-06	BBS	
			23	Kapilas Bhoi, (SC)	Sr.Tech (Fitter)	L-06	BBS	
			24	Shaik Manjoor, (UR)	Sr.Tech (Fitter)	L-06	BBS	
			25	R Ramachandra, (UR)	Sr.Tech (Fitter)	L-06	PUI	
			26	Ashok Kumar Sethi, (SC)	Sr.Tech (Fitter)	L-06	BBS	
			27	P Narasimha Murty, (UR)	Sr.Tech (Fitter)	L-06	PUI	
			28	Dinesh Kumar Singh, (UR)	Sr.Tech (Fitter)	L-06	BBS	
			29	Babuli Nishank, (UR)	Sr.Tech (Fitter)	L-06	MRDL	
			30	Laxmipriya Ghadai, (SC)	Sr.Tech (Fitter)	L-06	BBS	
Mechanical	JE C&W	SBP	01	Mahuri Jhankar, (ST)	Sr.Tech / C&W	L-06	SBP	



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ANNEXURE-D(i)

For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Mechanical	JE C&W	SBP	02	A. Guria, (ST)	Sr.Tech / C&W	L-06	SBP	
			03	G.N. Dhurua, (ST)	Sr.Tech / C&W	L-06	SBP	

ANNEXURE-D(ii)

For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Mechanical	JE WS	MCS	01	Jeeban Jyoti Sethi (SC)	Sr.Tech (Spl. Rigger)	L-06	CRW/MCS	
			02	Smt. Gayamani Naik, (ST)	Sr.Tech (Trimmer)	L-06	CRW/MCS	
			03	Krushna Chandra Baskey (ST)	Sr.Tech (Welder)	L-06	CRW/MCS	
			04	Sujit Kumar Singh (UR)	Sr.Tech (Spl. Rigger)	L-06	CRW/MCS	
			05	Jayant Kumar Sahani (UR)	Sr.Tech (Spl. Rigger)	L-06	CRW/MCS	
			06	Laxman Kumar Hansda (ST)	Sr.Tech (Spl. Rigger)	L-06	CRW/MCS	

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ANNEXURE-D(iii)**For Category wise vacancies please refer Annexure-A (JE Vacancies)****NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY**

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Mechanical	JE D/Mech	WAT	01	Chittarapu Eswara Rao (SC)	Sr.Tech (D/M)	L-06	DLS/VSKP	
			02	D.S.N. Raju (UR)	Sr.Tech (D/M)	L-06	DLS/VSKP	
			03	Jangam Venkateswara Rao (SC)	Sr.Tech (D/M)	L-06	DLS/VSKP	
			04	Moosa Ajay Kumar (SC)	Sr.Tech (D/M)	L-06	DLS/VSKP	
			05	Basudev Dolai (ST)	Sr.Tech (D/M)	L-06	DLS/VSKP	
			06	Chintala Yacob (SC)	Sr.Tech (D/M)	L-06	DLS/VSKP	
			07	Ekula Srinivas Rao (ST)	Sr.Tech (D/M)	L-06	DLS/VSKP	
			08	R. Sridhar (UR)	Sr.Tech (D/M)	L-06	DLS/VSKP	
			09	Sutti Anil Kumar, (SC)	Sr.Tech (D/M)	L-06	DLS/VSKP	

**ANNEXURE-D(iv)****For Category wise vacancies please refer Annexure-A (JE Vacancies)****NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY**

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Mechanical	JE D/Elect	WAT	01	Sevveti Raju (SC)	Sr.Tech (D/E)	L-06	DLS/VSKP	
			02	Bheempalli Venkata Sivakumar (SC)	Sr.Tech (D/E)	L-06	DLS/VSKP	
			03	Kumbha Subba Rao (ST)	Sr.Tech (D/E)	L-06	DLS/VSKP	

ANNEXURE-E(i)**For Category wise vacancies please refer Annexure-A (JE Vacancies)****NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY**

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Electrical	JE/OP	KUR	01	Subash Chandra Rout, (UR)	Sr.Tech	L-6	KUR	
			02	Narendra Nayak (UR)	Sr.Tech	L-6	BBS	
			03	Ampalam Vijaya Bhaskar, (UR)	Sr.Tech	L-6	KUR	
			04	Ganesh Nayak (OBC)	Sr.Tech	L-6	KUR	
			05	Pradeepta Kishore Sahoo, (OBC)	Sr.Tech	L-6	KUR	
			06	Sunder Mohan Singh (ST)	Sr.Tech	L-6	PUI	

ANNEXURE-E(ii)**For Category wise vacancies please refer Annexure-A (JE Vacancies)****NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY**

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Electrical	JE/GS	KUR	01	Bhaskar Chandra Singh (ST)	Sr.Tech	L-6	BHC	
			02	Ramchandra Bisoi, (ST)	Sr.Tech	L-6	PUI	
			03	Pitamabar Behera, (SC)	Sr.Tech	L-6	PRDP	
			04	Saubhagya Ranjan Behera, (SC)	Sr.Tech	L-6	CTC	
			05	Seral Tudu, (ST)	Sr.Tech	L-6	PUI	

For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Electrical	JE/GS	KUR	06	Pintu Sarkar, (SC)	Sr.Tech	L-6	BBS	
			07	Bijoy Kumar Singh, (ST)	Sr.Tech	L-6	PUI	
			08	Sushanta Kumar Behera, (SC)	Sr.Tech	L-6	PUI	
			09	Suresh Bidhar, (UR)	Sr.Tech	L-6	KUR	
Electrical	JE/GS	WAT	01	M Venkata Rao	Sr.Tech	L-6	MPM	
			02	B Srinivasa Rao (ST)	Sr.Tech	L-6	WAT	
			03	R K Behera (SC)	Sr.Tech	L-6	NWP	
			04	A K Mishra	Sr.Tech	L-6	RGDA	
			05	N Ch. N.S. Pardha Saradhi (UR)	Sr.Tech	L-6	WAT	
			06	B.V. Ramana Rao (UR)	Sr.Tech	L-6	WAT	
			07	B.V. Ramana (SC)	Sr.Tech	L-6	VZM	
			08	B Srinivasa Rao (UR)	Sr.Tech	L-6	WAT	
			09	P Ramesh (UR)	Sr.Tech	L-6	WAT	
			10	S. P. V Prasad (SC)	Sr.Tech	L-6	VZM	
			11	R Kesava Rao (SC)	Sr.Tech	L-6	VZM	
			12	P Simhachalam (SC)	Sr.Tech	L-6	South	



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For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Electrical	JE/TRD	KUR	01	Pramod Kumar Nayak, (ST)	Sr.Tech TRD	L-06	CTC/PSI	
			02	Naliniranjan Mahanta (UR)	Sr.Tech TRD	L-06	KUR/RRD	
			03	Sisir Kumar Samal, (UR)	Sr.Tech TRD	L-06	OHE/BBS	
			04	S. Dharma Rao (SC)	Sr.Tech TRD	L-06	OHE/IPM	
			05	Bhikari Ch. Behera, (UR)	Sr.Tech TRD	L-06	OHE/CTC	
			06	Sudhir Patnaik, (UR)	Sr.Tech TRD	L-06	IPM/OHE	
			07	Churia Murmu, (ST)	Sr.Tech TRD	L-06	RHMA/OHE	
			08	Suresh Chandra Behera, (UR)	Sr.Tech TRD	L-06	CON/BBS	
			09	Sanbit Priya Sahu, (UR)	Sr.Tech TRD	L-06	KUR/RRD (V)	
			10	Prasant Kumar Pansingh, (UR)	Sr.Tech TRD	L-06	KUR/RRD (V)	
			11	Sunaram Hembram, (ST)	Sr.Tech TRD	L-06	KUR/OHE	
			12	Chakravartula Murali Krishna, (OBC)	Sr.Tech TRD	L-06	KUR/OHE	
			13	Kartika Sahoo, (OBC)	Sr.Tech TRD	L-06	OHE/SIL	
			14	Pumendu Sasmal, (UR)	Sr.Tech TRD	L-06	RHMA/OHE	
			15	Mavuri Siva Satyanarayana (OBC)	Sr.Tech TRD	L-06	BALU/OHE	

For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Electrical	JE/TRD	KUR	16	Dolagobinda Das, (SC)	Sr.Tech TRD	L-06	OHE/JJKR	
			17	D Satya Prasad, (UR)	Sr.Tech TRD	L-06	OHE/CAP	
			18	Shibashish Bal, (UR)	Sr.Tech TRD	L-06	PSI/CTC	
			19	B. Narayana Rao (UR)	Sr.Tech TRD	L-06	MEMU SHED	
			20	Onkar Nath Tripathi, (UR)	Sr.Tech TRD	L-06	OHE/CTC	
			21	Dilip Kumar Singh, (UR)	Sr.Tech TRD	L-06	OHE/JJKR	
			22	Hajari Pradhan, (OBC)	Sr.Tech TRD	L-06	OHE/BALU	
			23	Anand Kumar Singh, (UR)	Sr.Tech TRD	L-06	BHC/OHE	
			24	Raghunath Behera, (SC)	Sr.Tech TRD	L-06	OHE/TLHR	
Electrical	JE/TRD	SBP	01	Krupasindhu Behera, (OBC)	Sr.Tech (TRD)	L-06	SBPY	
			02	Deepak Kujur, (ST)	Sr.Tech (TRD)	L-06	RGL	
			03	Raju Khalkho, (ST)	Sr.Tech (TRD)	L-06	RPRD	
Electrical	JE/TRD	WAT	01	Basudev Das (SC)	Sr.Tech (OHE/PSI Wings)	L-06	RC/WAT	
			02	Chaituram Netam (ST)	Sr.Tech (OHE/PSI Wings)	L-06	PSI/DWZ	



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For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Electrical	JE/TRD	WAT	03	S Gowri Shankar (UR)	Sr.Tech (OHE/PSI Wings)	L-06	Con/VSKP	
			04	D C R Meriha (ST)	Sr.Tech (OHE/PSI Wings)	L-06	RRD/JDB	
			05	Mohan Singh Kashyap (ST)	Sr.Tech (OHE/PSI Wings)	L-06	RRD/JDB	
			06	D Krishna (ST)	Sr.Tech (OHE/PSI Wings)	L-06	TRD/VBL	
			07	K Tirupati Rao (ST)	Sr.Tech (OHE/PSI Wings)	L-06	TRD/VBL	
			08	G Appalanarasayya (ST)	Sr.Tech (OHE/PSI Wings)	L-06	OHE/ARK	
			09	Mokaru (SC)	(OHE/PSI Wings)	L-06	RRD/JDB	
			10	M. C. Kohara (SC)	Sr.Tech (OHE/PSI Wings)	L-06	OHE/KRPU	
			11	K Srinivasaa Rao (ST)	Sr.Tech (OHE/PSI Wings)	L-06	OHE/ARK	
			12	Parkit Bag (SC)	Sr.Tech (OHE/PSI Wings)	L-06	TRD/JYP	

For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Electrical	JE/TRS	KUR	01	Parau Marandi, (ST)	Sr.Tech	L-06	ELS/ANGL	
			02	Mahendra Nath Singh, (ST)	Sr.Tech	L-06	ELS/ANGL	
			03	Bipada Vanjan Sasmal, (UR)	Sr.Tech	L-06	ELS/ANGL	
Electrical	JE/TRS	WAT	01	M Mani Kumar (UR)	Sr.Tech TRS	L-06	ELS/VSKP	
			02	Goppisetty Kanna Rao (UR)	Sr.Tech TRS	L-06	ELS/WAT	
			03	D. Vasu (SC)	Sr.Tech TRS	L-06	ELS/WAT	
			04	G. Suryanarayan (SC)	Sr.Tech TRS	L-06	ELS/VSKP	
			05	Gopi Srimurali (UR)	Sr.Tech TRS	L-06	ELS/VSKP	
			06	D Mukunda Rao (SC)	Sr.Tech TRS	L-06	ELS/VSKP	
			07	Hamarika Gourah (ST)	Sr.Tech TRS	L-06	ELS/VSKP	
			08	P Sivananda Rao (SC)	Sr.Tech TRS	L-06	ELS/VSKP	
			09	V Suri Appa Rao (SC)	Sr.Tech TRS	L-06	ELS/VSKP	
			10	M K Shethy (SC)	Sr.Tech TRS	L-06	PP/WAT	
			11	Ramchandra Jani (ST)	Sr.Tech TRS	L-06	ELS/VSKP	
			12	J Nagayya (ST)	Sr.Tech TRS	L-06	ELS/VSKP	



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For Category wise vacancies please refer Annexure-A (JE Vacancies)

NAME OF STAFF WHO ARE COMING UNDER ZONE OF CONSIDERATION AS PER SENIORITY

Department	Name of Category	Unit	Sl. No	Name of Candidate & Community	Present Designation	Present Scale	Present Working Unit	Remarks
Electrical	JE/TRS	WAT	13	D K Mirdha (SC)	Sr.Tech TRS	L-06	VSKP	
			14	N Vishnu Prasad (SC)	Sr.Tech TRS	L-06	ELS/VSKP	
			15	S Sreenu (SC)	Sr.Tech TRS	L-06	ELS/VSKP	
			16	J Srihari (SC)	Sr.Tech TRS	L-06	ELS/VSKP	
			17	B Srinivasu (SC)	Sr.Tech TRS	L-06	ELS/VSKP	
			18	D. Ramakrishna (ST)	Sr.Tech TRS	L-06	Trip Shed /VSKP	

for



East Coast Railway

Office of the
Chief Personnel Officer
Bhubaneswar - 751 017.

No.ECoR/Pers/R/Syllabus/Selection/3

Date: 28.11.2011.

To
The Sr.DPO/DPO-KUR, WAT, SBP,
WPO/MCSW & SPO/Con/BBS
East Coast Railway.

Sub: Syllabus for 20% quota of vacancies for JE (Signal) & JE (Tele) through Limited Departmental Competitive Examination and Modality of Test Paper in the S&T Department.

Ref: This office letter No. ECoR/Pers/R/Syllabus/Selection/3, dated 23.11.2011 (Copy enclosed).

In continuation of this office letter No.ECoR/Pers/R/Syllabus/Selection/3, dated 23.11.2011 on the above subject, it has been decided that the same syllabus may be followed for selection to the post of JE (Signal) 40% DPQ & JE (Tele) 30% DPQ.

This has approval of the competent authority.

(S.K. Mishra)
29/11/11

Sr.Personnel Officer (IR&G)
for Chief Personnel Officer

Copy to: For information and necessary action.

1. CSTE/ECoR/BBS.
- 2 Sr.DSTE(Co-Ord)/KUR, WAT, SBP.
- 3: Dy.CPO(HQ)/ECoR/BBS.
4. APO(HQ)-I & II.

(S.K. Mishra)
29/11/11

No.ECoR/Pers/R/Syllabus/Selection/3

Date: 23.11.2011.

To
The Sr.DPO/DPO-KUR,WAT, SBP,
WPO/MCSW & SPO/Con/BBS
East Coast Railway.

Sub: Syllabus for 20% quota of vacancies for JE (Signal) & JE (Tele) through Limited Departmental Competitive Examination and Modality of Test Paper in the S&T Department.

Ref: Sr.DPO/KUR's letter No. P/E/Selection Cell/S&T/JE/Syllabus, dated 12.10.2011.

Competent Authority has approved the Syllabus for 20% quota of vacancies for JE (Signal) & JE (Tele) through Limited Departmental Competitive Examination and Modality of Test Paper in the S&T Department of ECoR. The approved syllabus is as under:

1. Question paper will be in three parts: PART: "A", PART: "B" & PART "C" with Total marks: 100.
2. Format of question paper will be in accordance with the latest Railway Board guidelines.
3. Question paper shall be in bilingual form i.e. English & Hindi only.

Part - A	1.1 :	Contains English, General knowledge and current affairs, reasoning tests, simple arithmetical calculations	15 marks
	1.2 :	Establishment, Store & Technical correspondence, Project management	15 marks
	1.3 :	Basic Electrical and Electronics Engineering	20 marks
Part - B		Technical subject on various Railway signaling/ telecom systems	50 marks
Part - C		Rajbhasha (optional)	10 marks

Syllabus

A 1.1	English	Essay writing on general topics, Letter writing, Simple English grammar, Gender, Singular, Plural numbers, Antonyms, Synonyms, Direct, Indirect speeches.
	General knowledge	General knowledge, current affairs.
	Arithmetic	Arithmetical calculations (Standard up to 10+2 level) and reasoning tests.

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Senior Personnel Officer
पूर्व तट रेलवे भुवनेश्वर
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A 1.2	Establishment	Establishment rules: HOER, Leave rules, Pass rule. Organizational set up in S&T department of Zonal HQ, Divisional HQ and way stations including cadre strength calculations based on ZISTU & DISTU.
	Store	Store DMTR, requisition of materials, IRS/TEC/RDSO specifications, stores manual, other store procedures. Tools & plants.
	Technical correspondence, Project management	Technical circulars, Inspection notes, Safety drives Project estimate, Tenders, contracts, Measurement book, Contractor bills.
A 1.3	Basic Electrical and Electronics Engineering	DC Circuit - Voltage & Current sources, Loop and Nodal equations, Superposition theorem, Thevenin's theorem, Norton's theorem, Maximum power transfer theorem. Fundamentals of AC- Average value, RMS value, form factor, crest factor, AC power and power factor, phasor representation of sinusoidal quantities. Simple series, parallel & series-parallel circuits containing R-L, R-C, R-L-C parameters, Resonance in series & parallel circuits. Star Delta transformations. Introduction to Electrical Machines-Faraday's law of electromagnetic induction, Lenz's law, induced EMF, Working principle & Basic constructional features of Transformer, different types, O.C. and S.C. tests of transformer, equivalent circuit and vector diagram, losses, efficiency and regulation, autotransformer. Basic constructional features of DC machines, working principle and classification. Power Supply - Solar photovoltaic cell, primary and secondary cells, battery chargers, DG sets, voltage stabilizers, DC-DC converters, inverters, rectifiers. Earthing and Surge protection- Maintenance free earth, single earth, ring earth, Class A, B & C type surge protection devices, protecting against electrical surges and spikes including those caused by lightning. Protection to staff: Acid, fire, safety requirements, proximity, precautions in AC electrified area, tools, gloves, belts, helmets, guards, covers, live circuit working, handling electrical equipment, radio equipment, safety first manual, first aid. Basic Electronics - Characteristics of diodes, diode parameters, equivalent circuits, rectifiers, derivation for rectifier efficiency, ripple factor, filter circuits, power supplies. Principle of operation of transistors, Transistor Circuits and Integrated circuits. Introduction to common measuring equipment: Cathode Ray Oscilloscope, multimeters, frequency meter, ammeter, voltmeter, clamp on meter.

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East Coast Railway/BBS

Contd.P/3.

PART - "B" - Technical subject on various Railway signaling/ telecom systems 50 Marks

B1	SIGNALLING	
	Basic concepts	Basic concepts of Signaling, GS & SR, SEM Pt- I & II.
	System of Block Working	Absolute Block System, APB System, Automatic Block Section
	Track Circuit	DC Track Circuits, Single and Double rail, Laying at Glued joints, importance of traction bonds, Cross Bonding, Earthing arrangement, Relay and feed end arrangement. Ballast Resistance, seasonal adjustments of DC track circuit, Excitation voltage on relay terminals of DC track circuits and preventive steps. Maintenance features of track circuits. Track relay shelf type and plug in type, its parameters, cutting in features.
	Signalling & Power supply system	Signaling arrangement and power supply systems in AC electrified areas. Protection measures to the operating and maintenance staff. Earthing and its importance, Visibility of signal aspects. Double pole & Triple pole lamps, signal screening, Ball token and token less block working. Mast implantation for clear visibility of signal aspects, Solar Power supply, Load calculation for PI, RRI station, IPS for typical PI/RRI/EI station.
	Cables	Laying of signaling cables, cable insulation resistance, Meggering of cables, Earth leakage detectors, Maintenance Free earth Clamp meter, Cable fault route locator & Electro Magnetic Interface Shielding. Earthing of signaling cables and equipments. Measurements of earth resistance. Steps to improve Localization of faults and repair. Burning of cables in AC traction areas, causes precautionary measures to prevent such hazards.
	Points and levers	Types of Lever, range of Point operation with Point rodding, wire operated Signals, Its range of operation, Rod and wire compensators, Methods of route holding. Catch and slip siding. Locking in lever frames, Locking tables and Dog charts.
	RRI/Panel	RRI and Panel interlocking systems. R.C.C, Aspect Control Chart.
	Electrical Signaling	Point Motors, In built features, Control and Operation Circuits, Signal machines, Signal reversers, Track locking, Back locking, Indication locking, Approach and Dead approach locking etc. Lever lock and its functions. EKT/RKT and its functions, Circuit breakers.
	Modern Signalling	Basic Concepts of Electronic interlocking, Data logger and its utility, Analog and Digital axle counters, AFTC, Electronic track circuits, IBS Systems, Block proving axle counter and LED Signals.
	Block Signalling	Neal's A type Ball /Tablet token instrument, Diado/HWH makes TLBI, SGE Double line block instrument (Lock and Block), Token less Push button instrument. UFSBI.

23/10/11

वरिष्ठ कार्मिक अधिकारी
Senior Personnel Officer
 पूर्व तट रेलवे भुवनेश्वर
East Coast Railway/BBS

Contd.P/4.



102-4
ANNEXURE-6

Drawing office practice	Preparation of SIP, RCC, FPD, Locking table, dog chart, Circuit diagrams, contact analysis, cable coreage plan, cable route plan, As made (as at site) drawings. CRS application, Sighting committee report. Station working rule diagram.
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B2	TELECOMMUNICATION	
	Basic concepts	Basic concepts of Railway Telecommunication, Telecommunication engineering Manual
	Land Line communications	Parameters, trenching, laying, jointing, termination of quad cables, testing, Faults, Localization and remedies in 4 quad/6quad cables, block working, LC gate communication & emergency communication, maintenance schedules and periodical tests.
	Optic Fiber Communication system	OFC system, Principles of working (PDH & SDH), OFC Channel testing, Ring protection and NMS. Construction details of Fibers and OFC, Laying details, Splicing.
	Cable	Tele cabling, characteristics of Tele cables, Cable laying, Parameters, Loading coils, Condenser joints, Balancing of cables, Testing, Cable faults, Localization, Rectification, Annual maintenance of cables in RE and Non-RE areas.
	Train traffic control	DTMF Signaling, control office setup at HQ, different controls like TC, Dy. TC, TPC, TLC, SM's control working at way station, DTMF Equipments 2W, 4W, 2W/4W combination, control testing, radio patching, HQ and divisional telecom test room, earthing, Lightning protection.
	VHF / Satellite systems / Mobile	Communication, propagation methods, types of aerials, antenna, feeder/coaxial cable/connectors for 25Watts & 5 Watt VHF sets including power supply, uses, installation, programming, testing & maintenance of VHF sets, limitations of VHF. VSAT, Hub earth station, space link, remote earth station, interface equipment, network control centre, bandwidth management, satellite block diagram, network component details- hub configuration, remote configuration, remote indoor unit, INMARSAT Satellite, Mobile communication.
	Power Plant practice	Types of batteries, FCBC, SMPS chargers, Battery charging, Installation, Maintenance practices.

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Senior Personnel Officer Contd.P/5.
पूर्व तट रेलवे, भुवनेश्वर
East Coast Railway/BBS

	Computer basics	Basic computer concepts, notebook computers (laptop computer), Personal Digital Assistant (PDA, also known as Palmtop computer), desktop computers (PCs), Work stations, Servers and Supercomputers. Memory, Peripherals including mouse, printers, interfaces, disks, drives, controllers, USB ports, power supply, operating system concepts- single user/multi user, GUI & application software. Web page concept, internet, worldwide web, e-mail and multimedia.
	Data Networks	Types of networks, Network topologies, IP & non-IP based networks, NIC, hubs, nodes, clients, gateways, Routers, switches, modems, ISDN, DSLs, connectors/adapters, data cables. Installation, commissioning and maintenance of datacom equipment in various LAN, WAN networks like Railnet, internet (TCP-IP), data loggers, FOIS, COIS/ICMS, CMS, COA, MIS, IREPS, PRIME, VSAT, PRS, UTS etc., bandwidth requirements, broadband, path protections, standards, scalability, IP addressing, IP planning, network/sub-network masking, data security & encryption levels, software, firewall, intrusion detection & protection, convergence, traffic monitoring, BER, jitter, wander measurements, testing of data channels of 2Mbps & 64 kbps speed, telnet, HTTP, FTP, maintenance using NMS and Do's & Don't's.
	Accident Communication	List of equipment in ART, testing, provision of accident/disaster management communication arrangements at site, divisional control room & Zonal HQ control room, Maintenance & inspection of ART equipment, Information to public.
	Auto Telephony and Electronic Telephone Exchanges	Auto Telephone Systems, SPC, PCM-TDM principles, Electronic Telephone Exchanges, speech, voice, data communications, signaling types, ISDN, WLL, Trunk Boards, Telephone traffic and dealing with telephone traffic at peak and slack hour working, system requirements, MDF/IDF wiring, cabling, power plant and protections, maintenance and repairs.

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Contd.P/6.

	Passenger Amenities	Sound distribution, acoustic survey, defects & corrections, PA systems in yards, Platforms & conference halls, Paging and talk back in yards, Types of Microphone, Amplifiers, Loudspeakers, Acoustic characteristics of a meeting hall, video/audio conferencing. Passenger Amenity care on Railways, Enquiry Telecom system, Interactive Voice Response systems, prerecorded & PC based Auto announcing, train guidance/ indication boards, coach indication boards, touch screen kiosks, Voice Recorder, Passenger Reservation System, Digital Clocks, Fare display boards, Token Distribution System, Unreserved Ticketing System, PNR enquiry, accommodation availability, National Train Enquiry System, digital clocks (master-slave) , video surveillance system, various Faults, Localization of faults, all aspects of installation, commissioning and maintenance of the passenger amenities.
	Telecom Testing and Measuring instruments	Insulation tester, meggar, Transmission measuring set, psophometer, X'talk measurement, CUM set, impedance balancing, cable fault locator, line tester, LAN/WAN analyser, frequency counter, power meter, programmable frequency scanner, field strength meter, different data analysers like communication, Ethernet, protocol analysers, BER meter, LAN meter.
	Telecom General	Morning position, PTCC, Knowledge of PTCC manual, various standing committees at Central, State level, case clearance procedures from CEA & SLPTCC members, SACFA/WPC clearances, recommendations & standards CCIR/CCITT/IEEE/ITU. Inspections, maintenance schedules, records, reports, Drawings.

PART - "C" – Official Language/ Rajbhasha

Copy to: For information and necessary action.

1. CSTE/ECOR/BBS.
2. Sr.DSTE(Co-Ord)/KUR,WAT, SBP.
3. Dy.CPO(HQ)/ECOR/BBS.
4. APO(HQ)-I & II.

(S.K. Mishra)

Sr. Personnel Officer (IR&G)
for Chief Personnel Officer
वरिष्ठ कार्मिक अधिकारी
Senior Personnel Officer
पूर्व तट रेलवे भुवनेश्वर
East Coast Railway/BBS

23.11.11



Annexure-8

Syllabus for selection to the post of Junior Engineer (Works) category

Non Safety Category

Pay Band II, Grade Pay-Ps 4200/-

(i) Works:

- (a) Duties of ADEN, SSE(Works) and Co-ordination with other Co-Inspectors and attending higher official inspections.
- (b) Inspection and maintenance of buildings, railway colonies, station buildings and yards, Roof leakages and special treatment for roof leakages.
 - Periodically maintenance of works.
 - Measurement registers for buildings.
 - Sanitary arrangements in stations and colonies.
 - Disinfections measures.
- (c) Passenger amenities, stations and yards.
 - Categorization of stations.
 - Minimum essential amenities.
 - Recommended level of amenities.
 - Desirable amenities.
- (d) Water supply :
 - Estimating the requirements of water for various user such as staff quarters, service buildings, Hospitals, railway stations, carriage filling etc.
 - Sources of supply : Open wells, Deep tube wells, impounding reservoirs. Infiltration galleries and wells. Estimating the storage capacity, intake arrangements, disinfections.
 - Pumps : Type and selection of pumps, capacity of pumping, Pump horsepower.
 - Pipelines : Laying of pipelines, valves and meters, quality of water, disinfections of water, residual chlorine.
 - Lay out of distribution system, rising mains, service pipes from mains, carriage watering system.
 - Standards of quality of drinking water.
- (e) Drainage and sewerage:
 - Alignment of sewerage, choice of material for sewerage, laying of sewer pipes, sewage disposal, septic tanks, aqua privy latrines bio latrines recommended toilet systems.
- (f) Land management :
 - Leasing and licensing of railway land, land boundary, verification register, encroachment inspection register, land plans, acquisition of land, relinquishment of railway land, Fixing of boundary post, eviction of encroachments.

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- (g) Horticultural works:
- Maintenance of lawns and gardens, nursery, planning for plantation.
- (h) Preparation of Plans and Drawings:
- Sizes of drawings, symbols and colors on drawings, abbreviations, borders, completion drawings.
- (i) Schedule of dimension.
- (ii) Surveying:
- (a) Knowledge about leveling instruments and Theodolites.
 - (b) Temporary and permanent adjustments of dumpy level and theodolites.
 - (c) Leveling, plotting of cross sections, fixing bench marks.
 - (d) Plain table surveying,
- (iii) Concrete Technology:
- (a) Ingredients of concrete:
 - Cement, physical and chemical properties of cement, grades of cement, different types of cement, uses of different cement, storing and protection of cement.
 - Coarse Aggregate : Physical and chemical properties of aggregates, grading of aggregates, quality of aggregates, different types of stones used for aggregates, limits as per IS: specifications.
 - Fine Aggregate : Grading of aggregate, specific gravity, silt content limits as per IS: specifications.
 - Water : Quality of water used in concrete works and their standards.
 - Admixtures: Types of admixtures, their usage and determination of dosage.
 - Mixing of Concrete, Transportation of concrete, Laying of concrete.
 - Slump, requirement of slump for different works and determination.
 - Water cement ratio-definition and requirement for different works.
 - Determination of quality of concrete. Both destructive and non-destructive methods, Ready mixed concrete.
 - (b) RCC: Specifications for Reinforcement
 - (c) PSC : Principles of PSC, different methods, grades of concrete used, stressing methods and operations, different losses, grouting.
 - Specifications of HTS wires/tendons.
- (iv) Construction Materials:
- (a) Brick Masonry : Specifications of Bricks, types of bonds, types of joints

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- (b) Stone Masonry : Types of masonries used, bond stones, precautions.
- (c) Flooring : Specifications and construction of ordinary concrete flooring, marble flooring, kota stone flooring, terrazzo flooring.
- (d) Wood work : Types of wood used for doors and shutters, different types of shutter used in railway and their specifications, Checking the quality of wood.
- (e) Plastering : Specifications of different plasterings.
- (f) Estimating the cement requirement for different works and different proportions.
- (v) Soil Mechanics:
- (a) Classification of soils.
 - (b) OMC & MDD and its determination in field as well as laboratory.
 - (c) Compaction and consolidation, methods of compaction.
 - (d) Foundations.
- (vi) Accounts :
- (a) Importance of DMTR, ledger, challans, etc.,
 - (b) Stock verification and stock sheets.
 - (c) Accounts & Audit inspection.
 - (d) Proposal and different estimates.
 - (e) Tender, Tender notice, tender documents/schedule contract, contract agreement.
 - (f) On account bills, final bill and material statement and completion report.
 - (g) M.book.
 - (h) Schedule of rates.
- (vii) Establishment:
- (a) Leave rules, pass rules.
 - (b) DAR, minor penalties, major penalties, suspension.
 - (c) Retirement benefits.
 - (d) HOER.
- (viii) Rajphasa:
- (a) Linguistic criteria, Concept behind implementation of official language.
 - (b) Types of Hindi examinations conducted and incentives offered.
 - (c) Hindi as official language.
- (ix) Manuals:
- (a) Knowledge about various manuals IRPWM, IRWM, IRBM & Engineering code.

Appd.
A. U.
30/5/18
CE/124

EAST COAST RAILWAY



Office of the
Principal Chief Personnel Officer
Bhubaneswar-751017.

Dated: 17.05.2019

No.ECoR/Pers/13/Selection/Syllabus/Engg/JE/TMO

PCE/ECoR/BBS
CE/TM/BBS
DRM(P)-KUR,WAT,SBP

Sub: Syllabus for selection to the post of Junior Engineer(Track Machine) in level-6 in Pay Matrix.

Syllabus for selection to the post of Junior Engineer(Track Machine) in level-6 in Pay Matrix in selection would cover:

- 1) Arithmetic, Mensuration and Estimation: Calculation of area, volume of geometrical objects (including hollow objects such as pipes etc. Time and distances, speed calculations, work-time problems, Trigonometry, Basic theorems related to triangles.
- 2) Science, Physics and Chemistry, Principles of vernier, Micrometer and similar measuring instruments, density/specific gravity, Laws of simple pendulums, Newton's law, Laws of gases, Archimedes principles-heat-specific heat temperature scales, Elements-Mixtures-compounds-symbols and formulas-chemical equation, Balancing rules (Basic)-Metals/Non metals, Physical and chemical properties-Acids-bases properties.
- 3) English : Comprehension, letter writing, General Essay, Precis writing, Basic grammar-parts of speech, Correction of sentences, Active and passive voices-simple-complex-compound sentences.
- 4) Drawing : Ability to draw free hand sketches, Isometric views with dimensions, study of machine drawing, symbols/Notations used in machine drawing.
- 5) General Workshop Practices : Knowledge in basic machine tools(Lathes, drilling machines, shaping, planning and milling) types of fits, tolerances-Heat treatment process, properties of steel, welding technology, basic, Repairs to components-corrosion and prevention.
- 6) Knowledge in the working principles of diesel/petrol engine their maintenance schedules, trouble shooting techniques.
- 7) Basic Knowledge in the hydraulic system, components-function-symbols-effects.
- 8) Basic Knowledge in pneumatic system-components-types-maintenance-troubleshooting.

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- 9) Basic Knowledge in electricity-Ohms law-Unit of electricity-generation of electricity,methods Generators/Motors-functions,Batteries-types- Maintenance, Different types of motors, lamps, cable etc.
 - 10) Knowledge in the working of Railways -Track Machines-Types & their parts- functions etc.
 - 11) General Knowledge and safety rules.
 - 12) Knowledge of different Establishment Rules-HOER-DAR-Pass rules, Leave, WCA,etc.
 - 13) Stores indenting accountal and condemnation,Return of Stores procedure.
 - 14) Basics of electronics,Diodes,Amplifiers,Printed Circuits.
 - 15) Official language policy and official languages rules.

The syllabus may be uniformly followed in all Divisions/Workshops Construction units of ECoR for all JE (Track Machine)selections with immediate effect.Wide circulation may be given to all offices.Whenever a selection is notified,copy of this syllabus will be annexed.

(H.K. Mahanand)

Senior Personnel Officer (I)
for Principal Chief Personnel Officer

Copy forwarded for information and necessary action to:-

- CAO(Con)/ECoR/BBS
- CWM/CRW/MCS
- Sr.DEN(Co-Ord)-KUR,SBP,WAT
- Dy.CE/TM/ECoR/BBS
- Dy.CPO/Con/BBS
- AEN/TM/BBS
- GS/ECoRSC,ECoRSU, AIOBCREA, AISCSTREA
- OS/Rulling/BBS

for Principal Chief Personnel Officer



East Coast Railway

ANNEXURE-I

(17)
(17)

Office of the
Chief Personnel Officer
Bhubaneswar - 751 023.

No.ECoR/Pers/R/Selection/3

Date: 19.9.2011

To
The Sr.DPO/DPO- KUR, WAT & SBP
East Coast Railway.

Sub: Syllabus for selection to the post of Junior Engineer in Pay Band-2 (Rs.9, 300-34,800).
Grade Pay Rs.4200/- against 25% DPQ in the Mechanical Department.

Ref: Sr.DPO/KUR's letter No. P/E/Selection Cell/Mech/JE/Syllabus, dated 20.07.2011 &
09.09.2011.

Competent Authority has approved the Syllabus for Selection to the Post of Junior Engineers (C&W) open line in pay Band-2 (Rs.9, 300 -34,800/-). Grade pay Rs.4200/- against 25% DPQ in the Mechanical Department of ECoR. The approved syllabus is as under:

A. Introduction and salient features of different gear of various types of Rolling Stock/high speed Rolling Stock with leading dimension.

B. Freight Section:-

1. Preventive maintenance of freight stock
2. Maintenance of PME of CC rake, Premium rakes, & intensive examination of good train.
3. ROH of air brake wagons.
4. Rake testing
5. M&P required in ROH depot and Sick line
6. Types of welding
7. Type of BPC

C. Coaching Section:-

1. Preventive maintenance & different schedules of coaching stock.
2. Air brake system of coaches
3. Passenger Amenity fittings
4. M&P required in Coaching Depot
5. Painting & Corrosion
6. Examination pattern of primary & secondary trains
7. Difference between ICF & LHB coaches design
8. difference between K- type & L-type brake block
9. Difference between UMBC & BMBC brake system

D. Working of vacuum Brake & Air Brake with special emphasis on Bogie Mounted Brake System(BMBS) with its in built slack adjusting mechanism

E. Store:-

1. Stock & non-stock items
2. Non stock requisition.
3. Type of tenders

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F. Establishment:-

1. D&A cases (major & Minor)
2. Leave rules, Pass & PTO, HOER

G. General:-

1. Condemnation of wagons & coaches.
2. Mechanical unsatisfactory (Train Parting, Brake Binding, Hot Axle, Poor Brake Power)
3. General Mathematics & general Physics
4. Accident & its classification, causes of derailment, accident site investigation, coach / wagon reading & track readings.
5. Working of air brake system (Coaching & Goods)
6. Scrap & its Disposal.
7. Latest design changes in coaches & wagons.
8. Train parting, hot axle, brake binding, pressure trouble & its causes.
9. Conference rules- Part-III, IV & Rejection Rules.
10. Testing Procedure of Loco & Train
11. Out sourcing of mechanised coach cleaning, clean train station (CTS), OBHS, pest & rodent control & Linen management.
12. ART- Tools and plants, maintenance pattern

H. M&P - Planning:-

1. M&P requirement at Depot (Coaching & freight)

I. Short Note:-

1. DV, SAB, BMBC, Single Car Testing, PEASD, ELB, Rolling in Examination, Bin Card, Imprest & Disaster Management

J. Abbreviations related to Carriage & Wagon**K. Rajbhasa:-**

1. Rule 3/3
2. Implementation of Rajbhasa in sheds
3. Hindi Translation.
4. Regions for क, ख, ग.

(S.K. Mishra)

Sr. Personnel Officer (IR&G)
for Chief Personnel OfficerCopy to: For information and necessary action.

1. CME/ECOR/BBS.
2. EME(C&W)/ECOR/BBS.
3. Sr. DME/KUR, WAT & SBP.
4. WPO/CRW-MCS.
5. APO(HQ)- I & II.



Proposed Syllabus for selection to the post of JE(W/S) in Pay Matrix Level-6 against 25% DPQ in Mechanical Department, CRW/MCS.



(Total Marks=100)

(1) SECTION-I:

(90 Marks)

(A) GENERAL AWARENESS:

(50 Marks)

- Arithmetic (mensuration, distant & time, percentage, Ratio, Simple Interest, Profit & Loss). (10 marks)
- General Science (upto Class 10th standard) (05 marks)
- General Knowledge (05 marks)
- General English: (05 marks)
- Logical Reasoning (Basic Concept): (05 marks)
- Basic knowledge regarding Establishment rules such as Leave rules, Pass Rules, D&A rules, Settlement benefits etc.
- Knowledge about Indian Railways and Workshops including layout, organization structure, different sections of the workshop.
- Knowledge regarding Safety Equipments used in Factories
- General concepts regarding on stores drawals and disposal procedures Including Stock & Non-Stock items.
- Basis Engineering consisting of Dimensions, Measurements and Gauges. (20 marks)
- Must have knowledge of different type of handling equipment and Machinery available in workshop.
- Payment of Wages Act, Factories Act, Workman Compensation Act & various Acts applicable to Factory.
- Group Incentive System procedure and working.
- Basic Knowledge of ISO: 9001, 140001 & 18001.
- Familiarities with personal computer operating system, hardware and software etc.

(B) TECHNICAL:

(40 Marks)

- Basic Knowledge regarding different type of Rolling Stock (coaching).
- Repair procedure of under frame, body, bogies and its modifications.
- Air Brake, Draw and Buffing Gear including CBC, Rolling Gear viz. Wheel & Roller Bearing,
- Interior fittings and Painting.
- Basic features about POH & IOH, Special repairs and corrosion repairs etc.
- Knowledge of various Machines used in Machine, Wheel, Lathe & Tool Room shops.
- Manufacturing process of coach components in Machine shop.
- Knowledge of various types of tools, their composition, grinding angles usage etc.
- Knowledge of speeds and feeds for different materials for various types of machines.
- Knowledge of various kinds of paints used in Railway Workshops & Coaches.
- Effects which can be developed in paints and the remedial action to eliminate those.
- Preparing the surface and the role of different types of paints in protecting the material.
- Procedure adopted for preventing corrosion of coaches and Paint schedules.
- Mixing and inspection of paints.



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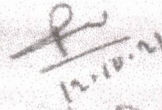
- Knowledge of all types of maintenance practices.
- Knowledge of overhauling and repair practices of EOT Cranes, Traversers, Machinery & Furnances, Steam Diesel pumps, petrol & Diesel Engines and Pneumatic Equipments, Road Vehicles.
- Knowledge of repair and periodical testing of cranes, chains and wire ropes and certifying/maintenance of records.
- Knowledge of manufacturing and procurement of spares for maintenance of Machinery.
- Knowledge of all types of Industrial Oils.
- Knowledge of safety precautions in Gas & Arc Welding.
- Brief knowledge of advanced welding process viz. Friction, Explosive, Ultrasonic, Electron beam & Micro Plasma welding.
- Classification of Electrodes and their uses.
- Welding of stainless steel coaches & silco manganes : steel components.
- Defect in Gas & Arc Welding Techniques and their remedies.
- Knowledge of pre heating & post heating and its necessities.
- Knowledge about different types of gas cutting & flame preparation.
- Knowledge about different type of procurement process in stores.
- Knowledge about different type of Tender contract (open/Quotational contract)

(10 Marks)

(2) SECTION: II

RAJBHASHA

- Rule 3/3
- Implementation of Rajbhasha in Workshops.
- Various categories of regions based on Rajbhasha


12.10.21
उप सु. रा. अभियंता
राजभाषा/पू. व. रखर/मजदूर
Dy. CME
Rajbhasha/Mancheswar



Annexure AL

Syllabus for the selection of JE (Diesel)/Mechanical

1. Salient features of different types of locomotives running over Indian Railways and their critical dimensions.
2. Diesel Locomotives:-
 1. Preventive maintenance & different schedules used for maintenance of diesel Electric locomotives (Mechanical).
 2. Re-power packing, POH & IOH of Diesel Electric Locomotive.
 3. Lay out of a Diesel shed with justification of different locations.
 4. Different systems working in diesel locomotive like Fuel Oil system, charge air system, Lube oil system, cooling water system etc.
 5. Major mechanical subassemblies of diesel locomotive and their overhauling procedure (Mechanical).
 6. Different activities carried out inside the Diesel Loco Shed, in connection with maintenance of Diesel Loco.
 7. Load box testing of Diesel Locomotive, HP calculation, Different correction factors.
 8. Special precaution to be carried out in Diesel Locomotive for summer and rainy season (Mechanical).
 9. Different technologically up graded components used in Diesel Locomotive & their salient features.
 10. Safety devices available in Diesel Electric locomotive and their maintenance (Mechanical).
 11. Different brake systems. Air brake system, CCB
 12. Under gear activities in Diesel Electric Locomotives and safety items related.
 13. Wheels and wheel defects wheel inspection and buffer height measurement.
3. Working of HHP loco, advantage of HHP loco over conventional ALCO diesel loco. Schedule maintenance of HHP locomotives (Mechanical), lubricants used silent futures.

4. Store:-

6. Stock & Non-Stock items.
7. Non Stock requisition
8. Type of tenders
9. R-Note, DS-B, LM-32, PL No. , PAC etc.
10. Schedule of powers for procurement of stock and non-stock items.

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5. Establishment:-

1. D&A cases (Major & Minor penalty), suspension etc.
2. Leave rules, Pass & PTO, HOWR etc.
3. a) Safety precautions during working, (b) Factory act, for (c) Personal safety Equipments (d) Minimum wages Act (e) Contract labour (Abolition and Regulation) Act, (f) PF & ESI.

6 General:-

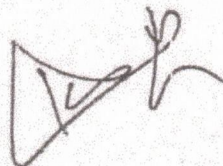
11. Condemnation of locomotives.
12. General Mathematics, general knowledge & general physics.
13. Accident & its classification, causes of derailment, accident site investigation, loco parameters reading & track readings.
14. ISO: 9001 -2000, ISO 14000 & ISO 18000 and the requirement Diesel loco shed.
15. Scrap & its Disposal.
16. Latest design changes in Diesel Locomotives.
17. Testing Procedure of Loco & Train.
18. Out sourcing of different non core activities of diesel loco shed.
19. Familiarities with personal computers operating system hardware & software etc.
20. Environment protection and use of Bio-Diesel in locomotives.

7 M&P Planning:-

4. M&P requirement in Diesel Loco Shed.
5. Proposal for procurement of M&P under plan head-41 & Works programme under PH-41
6. Pink Book, Law Book & RSP procurement under PH-21

8 Rajbhasha:-

4. Official Language Act Section (3)3
5. Implementation of Rajbhasha in Indian Railways.
6. Translation of commonly used works in offices (Hind to English & English to Hindi)





Syllabus for the selection of DE (Diesel)/Electrical

1. Salient features of different types of locomotives running over Indian Railways and their critical dimensions.
2. Diesel Locomotives:-
 1. Preventive maintenance & different schedules used for maintenance of diesel Electric locomotives (Electrical).
 2. Re-power packing, POH & IOH of Diesel Electric Locomotive.
 3. Overhauling of Traction Generator, Overhauling of Traction Motor
 4. Lay out of a Diesel shed with justification of different locations.
 5. Major Electrical subassemblies of diesel locomotive and their overhauling procedure.
 6. Different activities carried out inside the Diesel Loco Shed, in connection with maintenance of Diesel Loco.
 7. Load box testing of Diesel Locomotive, HP calculation, Different correction factor
 8. Special precaution to be carried out in Diesel Locomotive for summer and rainy season (Electrical).
 9. Trouble shooting:- Starting ground, power ground, radiator fan not working, Engine speed not increasing, No power to traction motor, Loco not getting start.
 10. Safety devices available in Diesel Electric locomotive and their maintenance (Electrical).
 11. Different Electrical Circuits like:
 1. Starting circuit, 2. Propulsion circuit, 3. Alarm circuit, 4. Main power motor circuit, 5. Battery charging circuit.
 12. Concept of "E" type excitation system MBCS, Different cards (modules) used and their functions
 13. Functions of governor in diesel engine, Wood ward governor, MCBG governor.
3. Working of HHP loco, advantage of HHP loco over conventional ALCO diesel loco. Schedule maintenance of HHP locomotives (Electrical), lubricants used silent futures.
4. Store:-
 1. Stock & Non-Stock items.
 2. Non Stock requisition
 3. Type of tenders.
 4. R-Note, DS-8, LM-32, PL No., PAC etc.
 5. Schedule of powers for procurement of stock and non-stock items.

5. Establishment:-

1. D&A cases (Major & Minor penalty), suspension etc.
2. Leave rules, Pass & PTO, HOWR etc.
3. a) Safety precautions during working, (b) Factory act, for (c) Personal safety Equipments (d) Minimum wages Act (e) Contract labour (Abolition and Regulation) Act, (f) PF & ESI.

6. General:-

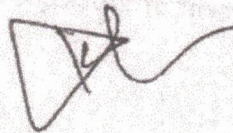
1. Condemnation of locomotives.
2. General Mathematics, general knowledge & general physics.
3. Accident & its classification, causes of derailment, accident site investigation, loco parameters reading & track readings.
4. ISO: 9001-2000, ISO 14000 & ISO 18000 and the requirement Diesel loco shed.
5. Scrap & its Disposal.
6. Latest design changes in Diesel Locomotives.
7. Testing Procedure of Loco & Train.
8. Out sourcing of different non core activities of diesel loco shed.
9. Familiarities with personal computers operating system hardware & software etc.
10. Environment protection and use of Bio-Diesel in locomotives.

7. M&P Planning:-

1. M&P requirement in Diesel Loco Shed.
2. Proposal for procurement of M&P under plan head-41 & Works programme under PH-42
3. Pink Book, Law Book & RSP procurement under PH-21

8. Rajbhasa :-

1. Official Language Act Section (3)3
2. Implementation of Rajbhasa in Indian Railways.
3. Translation of commonly used works in offices (Hind to English & English to Hindi)





Office of the
Chief Electrical Engineer
Bhubaneswar- 751 017

No. ECoR/EL/E/412/01/18-21

Date: 13.08.2013

Sr.DEE (OP)/KUR

Sub: Syllabus for selection for promotion to the post of JE in PB-II(9300-34800) with GP-4200/- against 25% DPO in the Elect(OP) department of KUR division.

As desired, the syllabus duly approved by the competent authority is enclosed.

Encl: As above.

(Kalyan Pattnaik)
Dy. Chief Electrical Engineer (HQ)

**Syllabus for selection to the post of JE (TRB) in scale Rs.9300-34800/-
+GP.4200/- against 25% DPQ in Electrical department of HQs' Office/
Bhubaneswar.**

1. Electric Rolling Stock:

- 1.1.1. AC Locomotives and AC EMUs- main features, main equipment, general layout and major equipment ratings. Traction, control and auxiliary circuit of WAG-5 and WAG-7 loco. Pneumatic circuit, Brake systems.
- 1.1.2. Elements of train resistance, tractive force calculation and adhesion. Types of suspension and transmission, power conditioning (silicon/thyristor) and protective equipment.
- 1.1.3. Maintenance practices adopted for AC locos and EMUs.
- 1.1.4. Air compressors, vacuum exhausters, auxiliary motors and brakes systems employed on electric rolling stock. Bogie & suspension. Wheel, TFRW.
- 1.1.5. Rheostatic braking, Regenerative Braking.
- 1.1.6. Requirements of facilities for IOH sheds and POH shops for repairs of locomotives/EMUs.
- 1.1.7. Features for operation of AC electric locomotives/EMUs as single or multiple units.
- 1.1.8. Rotating machines, rewinding shops practice and organization and various types of insulating materials employed.
- 1.1.9. Machine shop practices, cutting speed for materials, welding practice and maintenance of shed installations.
- 1.1.10. Ball, roller and suspension bearing how clearances are insured/measured.
- 1.1.11. Familiarity with the ACTM and its provisions pertaining to AC electric Locomotives/EMUs and items of safety checks for moving vehicles with respect of locos/EMUs. Awareness of general values for wheel profiles, accidents/derailments, checking of P-Way parameters at the time of derailment, Accident diagram.
- 1.1.12. Knowledge of factors affecting smooth current collection by pantograph and factors likely to cause into entanglement or preventive cause thereof.
- 1.1.13. Ability to perform simple calculations regarding HP, KVA, tractive effort in tones and torque/speed relations for AC Electric locomotives/EMUs.
- 1.1.14. Yardstick for maintenance sheds, sources for filling vacancies, trade tests and effecting promotions against vacancies.
- 1.1.15. 3 phase locomotives, static converter, Fault Diagnostic System etc.

2. Establishment Rules & Procedures:

- 2.1. Recruitment, training promotion by selections and suitability tests and trade tests etc. of staff in various categories on the Railways, Leave, training, creation of posts, manpower planning, Yardsticks, work-study.
- 2.2. Rules for issues of passes and PTOs to Railway staff.
- 2.3. Discipline & Appeal Rules in force on the Railways.
- 2.4. Delegation of powers in respect of Establishment matters.
- 2.5. Broad outline of payment wages Act. Minimum Wages Act. Workmen's compensation act, factory act, Hours of Employment Regulation and Apprentice Act as applicable to the Railway working.
- 2.6. Welfare scheme on the Railways.
- 2.7. Trade Union, Permanent Negotiations Machinery, Staff Council and General Dealing with the unions.
- 2.8. Conditions of services of Railway Employees and Service Conduct Rules.
- 2.9. Organisation of the Railways.



ANNEXURE-'N'

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3. Accounts and finance Rules.

- 3.1. Parliamentary control over Railway Finance-Public accountability, cannons of financial propriety.
- 3.2. Financial planning & Budgeting-Budgetary and financial Review-Appropriation Accounts.
- 3.3. Rules of allocation-Classification of expenditure-control over expenditure-Responsibility, accounting-performance Budgeting-Exchequer Control-financial Results of working. Demands for Grants, Plan Heads, Funds, DCF technique.
- 3.4. Works programme-financial justification of works-Surveys-preparations of Estimates-Capital Budget-Control over capital expenditure-Productivity test. M & P, RSP.
- 3.5. Financial control over stores expenditure purchase and stores keeping procedure-inventory Control and A.B.C Analysis, Stock & Non-stock purchase.
- 3.6. Financial and cost control in Railway Workshops.
- 3.7. Rules and procedure relating to tenders and contracts for execution of works and procurement of stores, Estimates, Arbitration.
- 3.8. Procedure for processing and finalizing the audit objections and draft paras.
- 3.9. Delegation of powers
- 3.10. Passes, frauds and embezzlements.

XXXXXX

Rn
3.7.13



Annexure-0

EL (G)
Cm. 2.
24/3/22

353

Office of the
Chief Personnel Officer
Rail Sadan, 2nd Floor
Bhubaneswar-751017

DRM/HQ/LL 182
23.03.22

No.ECoR/Pers/08/Elect/Syllabus/JE IAM Quota &DPQ/184

Dt 17.03.2022

✓ Sr.DPO/KUR
East Coast Railway
Bhubaneswar

Sub: Supply of Syllabus for selection of JE against 25% DPQ in Elect (Gen)
Department of KUR Division.
Ref: Your letter No-1) P/Elect/G/JE-25% DPQ/Selection/2022 Dtd
25.02.2022

With reference to your letter cited above, the syllabus circulated earlier by
Sr.DEE(G)/KUR vide letter No-KUR/EL/GA/2012 Dtd 11.09.2012 may be referred to the
above mentioned selection. However the copy of the same is enclosed again for further
action at your end for conducting the selection of JE(GS) against 25% DPQ.

This has the approval of Competent authority (PCEE/ECoR).

End: As above in 02 pages

(Prakhar Gupta)
Dy.Chief Personnel Officer (HQ)
For principal Chief Personnel Officer

Copy to :- 1) DRM (P)/WAT, SBP for information
2) OS/Ruling for information.

Sr.DPO
checked/24/3/22

Range
24/3/22

Recd
G.P.
24/3/22

SYLLABUS FOR JUNIOR ENGINEER-I (ELI)

(GS)

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1. PROFESSIONAL**1.1 General Services.**

1.1.2 Generating stations including small, medium and super thermal, parallel operation, load dispatch centers etc. Two directional power flow in grid system and adjustment of power between the systems.

1.1.3 General Power supply arrangement, air-conditioning etc.

1.1.4 Power supply :- HT & LT sources, power supply net work, substation layout, overhead and underground distribution, maintenance and operation of transformers, switch gear protective devices and distribution lines.
Construction, erection and commissioning of new substation distribution lines, line calculations etc.

House wiring, metering, safety precautions.

Tariffs and agreements, relative merits of availing HT/LT supply, steps to reduce maximum demand and energy consumption, measurement of power, power factor, maximum demand etc.

ACSR, ACC & Aerial Bunched Cables, Voltage regulation..

1.1.5 Water supply: - Requirement of water, planning of water supply systems sources of water, pipeline, frictional and other losses, discharge calculations.
Reciprocating, Centrifugal and turbine pumps, relative merits, choice of VS and HS pumps, characteristic curves of pumps, efficiency, drives, electrical connections and precaution.

Cavitations, priming of pumps, measurement of output with V-Notch and nozzle, necessity for multistage pumping, storage capacity, purification of water.
Preventive maintenance, special failures of pumps and motors periodical overhaul.

1.1.6 Air-conditioning and Refrigeration :- Central air-conditioning plant and package plants refrigeration cycle, air changes, planning for capacity and drives for plants, refrigerants, dusting.

Specification, design and testing of water coolers, central as well as package plants, requirement of water coolers, window coolers, refrigerators.

Operation and preventive maintenance, special failures, overhaul, trouble shooting and repair of sealed units.

1.1.7 Miscellaneous :- LT supply for signal, illumination, yard lighting, street lighting, town supply network, drives for workshop machinery.
Earthing, bonds.

1.1.8 New methods for more effective preventive maintenance, recent development, Energy conservation, Electricity Act 2003, IE Rules.

2.0 TRAIN LIGHTING AND AIR-CONDITIONING OF THE COACHES:

2.1.1 Broad outlines of types of equipment used in 110 Volt and 400 Volt air conditioned coaches and refrigerated vans, drives and their problems, maintenance and operational problems, refrigeration compressors, types in service and their problems, Conventional & RMPU Coaches.

2.2 Maintenance schedules, for AC coaches, partial AC coaches, AC two tier sleeper coaches, running repairs. Train Lighting in Coaches, Alternator, RRU, ERU, Inverter, End-on-Generation, Head-on-Generation

70

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**1. Establishment Rules & Procedures:**

3.1 Recruitment, training promotion by selections and suitability tests and trade tests etc. of staff in various categories on the Railways. Leave, training, creation of posts, manpower planning, Yardsticks, work-study.

3.2 Rules for issue of passes and PTOs to Railway staff.

3.3 Discipline & Appeal Rules in force on the Railways.

3.4 Delegation of powers in respect of Establishment matters.

3.5 Broad outline of payment of wages Act. Minimum Wages Act. Workmen's compensation act, factory act, Hours of Employment Regulation and Apprentices Act as applicable to the Railway working.

3.6 Welfare scheme on the Railways.

3.7 Trade Union, Permanent Negotiations Machinery, Staff Councils and General Dealings with the unions.

3.8 Conditions of services of Railway Employees and Services Conduct Rules.

3.9 Organisation of the Railways.

4. Accounts and Finance Rules:

4.1 Parliamentary control over Railway Finance-Public accountability, canons of financial propriety.

4.2 Financial Planning & Budgeting – Budgetary and Financial Review – Appropriation Accounts.

4.3 Rules of allocation – Classification of expenditure- Control over expenditure- Responsibility accounting- Performance Budgeting- Exchequer Control –Financial Results of working. Demands for Grants, Plan Heads, Funds, DCF technique.

4.4 Works programme-financial justification of works-Surveys-preparations of Estimates-Capital Budget-Control over capital expenditure-productivity test. M & P, RSP.

4.5 Financial control over stores expenditure purchase and stores keeping procedure- Inventory Control and A.B.C Analysis, Stock & Non-stock purchase.

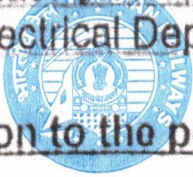
4.6 Financial and cost control in Railway Workshops.

4.7 Rules and procedures relating to tenders and contracts for execution of works and procurement of stores, Estimates, Arbitration.

4.8 Procedure for processing and finalizing the audit objections and draft Paras.

4.9 Delegation of powers.

4.10 Passes, frauds and embezzlements.



SUB :- Syllabus for selection to the post of JE(TRS) against 25% DPQ

1. Electrical, Mechanical, Pneumatic and other equipments in Locomotive.
2. Cab equipments in a locomotive.
3. New generation loco equipments like Vigilance control Device, Static Inverter Microprocessor based control and fault Diagnostics System, VCU, DPWCS
4. Control circuit, Power circuit, Auxilliary circuit of Locomotive.
5. Rating of major equipments in locomotive.
6. Air brake system in locomotive.
7. Rheostatic Braking, Regenerative Braking in locomotive.
8. Loco Log book and Engine fitness certificate of locomotive.
9. Traction Loco Control and PPIO.
10. Inspection and overhauling schedules of locomotives.
11. Safety items in locomotive.
12. Prevention of fire in locomotive.
13. Precautions to prevent derailment of locomotive.
14. Wheel skidding in locomotive.
15. Hauling capacity, Tractive effort of locomotives.
16. Summer drive, winter drive and monsoon drive conducted for locomotives.
17. Various tools and Measuring Instruments used in maintenance and repair of locomotive.
18. General Knowledge and Current affairs.
19. Simple Arithmetic
20. General Science: - Unit, Measurement, Electricity.
21. Basic fundamentals of Electrical and Electronics.
22. Pass rules, D&A rules, Leave rules, Service conduct rules.
23. RSP, M&P, Works program
24. Procedure for procurements of stores
25. Contract labour acts, Wages acts, Labour laws, HOER.
26. General conditions of contract, Labour contracts.

*Signed Copy
at
Folio-156*



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Syllabus for selection/suitability test in Electrical TRD wing

1. **Electrical Traction Distribution and Power Supply installation :**
 - 1.1.1 System of Traction- Planning and Execution of Projects –Advantages of different Traction systems. Advantages of electric traction over other modes of traction.
 - 1.1.2 Electrification of section- Procedures for justification stage-up to execution stage (from pre-pegging to sanction of CRS/EIG and energisation).
 - 1.1.3 Maintenance and Operation of OHE.
 - 1.1.4 Principles of OHE layout plans, sectioning diagrams.
 - 1.1.5 Maintenance schedules for OHE and Tower Wagons as per ACTM.
 - 1.1.6 Various types of OHE break downs and their causes and remedial action, Pantograph entanglements, Turnout maintenance.
 - 1.1.7 Accidents/break downs-normalisation procedures.
 - 1.1.8 Criteria for usage of various types of foundations, portals, span lengths, drooping schedule, regulated/unregulated OHE, PTFE/Short neutral section/convention neutral sections.
 - 1.1.9 Schedule of dimensions, code of bonding and earthing for 25 KV AC traction, regulation for electrical crossing Railway track, rules for movement of ODCs in electrified track, rules/procedures for working by other department in Electrified sections.
 - 1.1.10 Maintenance and operation of PSI system.
 - 1.1.11 Various types of switching posts including traction sub-stations, equipment layout therein, maintenance/procedures for PSI equipments.
 - 1.1.12 Relative merits of SF6 and vacuum circuit breaker/interrupters over oil type of breakers/interrupters.
 - 1.1.13 Capacitor Banks - Static shunt & Thyristor Switched.
 - 1.1.14 Type of break-down/failures of PSI equipments causes and remedial actions.
 - 1.1.15 Remote control equipment, maintenance and operation.
 - 1.1.16 General principles of working of remote control equipments and their maintenance schedules.
 - 1.1.17 Merits of SCADA type remote control system over strowger type remote control system.
 - 1.1.18 Failures of remote control equipments, causes and remedial action.
 - 1.1.19 Maximum demand control, rules of TPC and Traction Controller.
 - 1.1.20 General Topics.
 - 1.1.21 Specific energy consumption, energy conservation measures as applicable for electric tractions.
 - 1.1.22 Co-ordination of Railways with power supply authorities.
 - 1.1.23 Tariff for electric traction and various types, their relative merits.
 - 1.1.24 Safety measures to be adopted for working of OHE/PSI installations, including procedures for obtaining power and traffic blocks.

Dd
14.06.12
12/12/12

- (30) (140) (10)
- 1.1.25 Electrical accidents as applicable for traction installations reporting of such accidents to EIG.
 - 1.1.26 Communication in electrified section.
 2. **Establishment Rules & Procedures.:**
 - 2.1 Recruitment, training promotion by selections and suitability tests and trade tests etc. of staff in various categories on the Railways. Leave, training, creation of posts, manpower planning, Yardsticks, work-study.
 - 2.2 Rules for issue of passes and PTOs to Railway staff.
 - 2.3 Discipline & Appeal Rules in force on the Railways.
 - 2.4 Delegation of powers in respect of Establishment matters.
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 - 2.7 Trade Union, Permanent Negotiations Machinery, Staff Councils and General Dealings with the unions.
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 - 3.4 Works programme-financial justification of works-Surveys-preparations of Estimates-Capital Budget-Control over capital expenditure-productivity test. M & P, RSP.
 - 3.5 Financial control over stores expenditure purchase and stores keeping procedure-Inventory Control and A.B.C Analysis, Stock & Non-stock purchase.
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 - 3.7 Rules and procedures relating to tenders and contracts for execution of works and procurement of stores, Estimates, Arbitration.
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 - 3.9 Delegation of powers.
 - 3.10 Passes, frauds and embezzlements.

Def
Dr. C.R. (H.O.)
17/12/11



Annexure-X

Date -

To
The Dy.CPO/RRC,
East Coast Railway,
Bhubaneswar.

(Through Proper Channel)

Sub: For selection to the post _____, Level _____, against
_____ % of Quota, _____ Department.

I the undersigned hereby state that I am **unwilling** to appear for the selection to the post of
_____ Level _____ against _____ % of quota _____ Department which was
notified vide Notification No _____, Dated- _____

Signature _____

Name of Employee _____

HRMS ID/ PF No- _____

Designation _____

Division/Unit _____

Phone No- _____

Forwarded by

gmy