



दक्षिण पूर्व मध्य रेलवे
South East Central Railway

मुख्यालय, कार्मिक विभाग, प्रथम तल, महाप्रबंधक कार्यालय, बिलासपुर (छ. ग.)
HEAD QUARTER, PERSONNEL DEPARTMENT, 1st FLOOR,
GM's OFFICE, BILASPUR (C.G.) 495004

No. P-HQ/CON/452/Civil-70%/e-129223/11

Dated:-04/01/2024

AGM, PCE, CAO (CON), SDGM/SECR, Secretary TO GM/SECR,
CBE, CTE, CE(TM)/SECR, CPO (A), DRM/Bilaspur, Raipur, Nagpur
CWM/WRS/Raipur, CWM/MIB/Nagpur, Dy.CE(TM)/BSP, Sr.DPO/BSP, R, NGP,
DY CPO (CON)/BSP, PCPO/SER/GRC & PCPO/E.Co.Rly/BBS

Sub: - Selection (**Special Drive**) for formation of a panel of AEN (Gr "B") against
70% DPQ of Engineering Department in S.E.C.Railway for the vacancy cycle
of 01/01/2023 to 31/12/2024.

Ref:- 1. Board's letter No. E(GP)2022/2/4, Date:14/12/2023.
2. Board's No. E(GP)2019/2/25, Date: 01/01/2024.

1. In reference to the above, Board has decided that a special Group B' Selection drive shall be carried out to fill up the gazetted vacancies prevailing on the Railways. Accordingly, it has been decided to fill up these vacancies by holding another round of 70% Selection and 30% LDCE through centralized CBT for promotion to Group B' posts by NAIR. Accordingly, examination/ CBT against 70% DPQ to be conducted on **25/02/2024 by NAIR/BRC. There shall be no supplementary examination for this special 70% selection.** The selection will be held for formation of panel of **AEN (Group-"B")** in scale Rs.9300-34800/- +(GP Rs.4800/-), PB-2 (Pay matrix Level-08) (7th PC) against 70% DPQ for vacancies as mentioned below. The reservation for PwBDs will be dealt in accordance with Board's letter No. E(GP)2022/2/20, Dated:14/11/2022 and RBE No.74/2022 [Estt. Rule No.168/2022].

Mode	UR	SC	ST	TOTAL	Vacancy reserved for PwBD
AEN (70% DPQ)	05	01	01	07	(01) LD-OA/ OL, Leprosy Cured, Acid attack victims or Hearing impaired (HI/HH)

2. Eligibility Criteria: Senior Supervisors (Technical) working in Engineering Department on regular basis in Group-'C' who have rendered not less than 03 years of non-fortuitous service, as on **01/01/2023**, working in scale Rs. 5000-8000 (5th PC) PB-2 Rs. 9300-34800/-, with Grade Pay Rs. 4200/-(6th PC)/ Pay Matrix Level 6 of (7th PC) & above and having lien in Engineering department of this railway are eligible to appear in the Selection as per, RBE No.216/2019, SECR's Estt. Rule No.359/2019. Fortuitous service will not be counted for determining the eligibility. In addition to above criteria, PwBD candidates if any as per seniority who fulfill the essential criteria of PwBD(LD or HI) Physical and functional requirement, as mentioned RBE No.74/2022 [Estt. Rule No.168/2022] and in terms of Railway Board's letter No.E(GP)2022/2/20 dated 14.11.2022, may also apply.

3. A strictly provisional integrated seniority list of eligible **Senior Supervisors (Technical)** of Engineering Department of SEC Railway, is enclosed as **Annexure "A"** in the (Main list). A **Standby list**, in the order of seniority, is also enclosed as **Annexure "B"**, which will be considered based on unwillingness submitted by those eligible candidates who are included in (**Annexure "A", Main list**), if any. Prospective candidates are advised to peruse the lists carefully. In case of any dispute vis-à-vis the integrated seniority lists i.e. (**Annexure "A" and "B"**) or if name of any candidate is left over, requisite representation may be submitted, through their Controlling Officer and respective Personnel Officer, to this office on or before **08/01/2024**, which will be examined as per extant Rules.

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As per available record no candidate coming in the above list (5 X of the vacancies) were found eligible for vacancy reserved for PwBD. The list of candidates (5 X of the vacancies) as per integrated seniority is placed in **Annexure-A1**. Further candidates placed in **Annexure-A1** may give their **representation** w.r.t. their candidature for filling up the vacancy reserved for PwBD. The candidates placed in **Annexure-A1** may submit their representation if any on or before 08/01/2024 through their controlling officer duly certified by concerned Personnel Officer. The Personnel Department of the HQ/Division/Workshop/Units should scrutinize the application and verify the eligibility as per RBE No.74/2022 [Estt. Rule No.168/2022] and in terms of Railway Board's letter No.E(GP)2022/2/20 dated 14.11.2022 along with the Service Record maintained by them and certify their eligibility for each such candidate.

4. All the eligible and willing or unwilling employees must submit their application in prescribed Proforma in **Annexure-'C'** duly forwarded by immediate supervisor/ Officer through proper channel to their respective Personnel Branch Officers concerned indicating their clear willingness/ unwillingness to appear in the selection and acknowledgement may be obtained. Applications received after closing date will not be entertained and summarily be rejected.

Time line for date of submission of application and consolidated statement:

S#	Subject	Closing Date
1	Application to be submitted in the (ANNEXURE-C) by the eligible candidates to their controlling officer.	10/01/2024
2	Applications to be forwarded by the controlling officer to the concerned Personnel Officers for verification /scrutinizing of service particulars/ eligibility etc.	12/01/2024
3	Concerned Personnel officers should forward all the applications (only original in hard copy) with a remarks (eligible or not eligible) and (Willing or unwilling) in consolidated list in proforma (Annexure-'D') to GAZ(CONF.) Section, PCPO /HQ Office.	16/01/2024

5. **Scrutiny:** The Controlling officers/ respective Personnel officers are requested to verify details of the employees enclosed in (**Annexure "A" and "B"**) with their clear willingness/ unwillingness and certify the correctness in **Annexure "C"** with the service record available with them while forwarding them to this office. The applications may be scrutinized and verify the eligibility as per RBE No.74/2022 [Estt Rule No.168/2022] and in terms of Railway Board's letter No. E(GP)2022/2/20, Dated:14/11/2022 also. The consolidated statement in respect of such candidates as per the format in **Annexure-'D'**, together with the individual applications, should be forwarded by the concerned Personnel Officers to **Gaz.(Conf.)/Section, PCPO Office, SECR**. In case a candidate is found ineligible at any stage for the above selection, his/her candidature will be summarily rejected. It may be ensured that the applications of candidates working under Construction Organisation should be submitted through Dy.CPO/Con/BSP.

6. In terms of Para 8.8 of Master Circular No.68, Date: 08/07/2019, employees constituting the field should be advised individually of the proposed selection with the clear stipulation, that they should on receipt of the notice, submit their clear written Willingness /un-willingness to take up the selection. For this purpose, each individual notice should have a counterfoil, which should be returned by the employees within a week of receipt indicating clear willingness or un-willingness to take the selection. The notice should carry a clear indication that it is the employee's responsibility to submit his/ her willingness / un-willingness to take up the selection, and any failure to respond to the same and in providing the required intimation within the time prescribed therefore will be treated as un-willingness on his/ her part to take up the selection. Depending on the position of un-willingness reported or non receipt of any intimation, employees from the standby list (Annexure-B) would be called to the extent necessary for taking up the selection.

7. It shall be the duty of the concerned Personnel Officers to cross verify the authenticity of the entries made in the application by the employees before consolidating and forwarding the applications to this office. Where employees figuring in enclosed list have not

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indicated clear willingness or unwillingness to appear in the selection, suitable remarks accordingly may be indicated against such employees while forwarding the consolidated list to this office. The final zone of consideration will be decided in terms of Para(8) of Master Circular No.68, Date: 08/07/2019, in order of seniority amongst the willing & eligible candidates from out of lists in **Annexure-(“A” and “B”)**, which may further be extended to the extent of number of such candidates in the normal zone of consideration who have failed twice in earlier selections as per the extant rules.

8. It may be noted that for those in scale Rs. 6500-10500 (V PC) /PB-2 Rs. 9300-34800 Grade Pay Rs. 4600 (VI PC) / (Pay Matrix Level-7 of VII PC); seniority in grade Rs. 6500-10500 (V PC)/PB-2 Rs. 9300-34800 Grade Pay Rs. 4600 (VI PC)/Pay Matrix Level-7 VII PC will be reckoned in terms of extant rules.

9. SCHEME OF EXAMINATION: In terms of Railway board's letter No. E(GP)2022/2/4 dated 07.10.2022, the examination through CBT shall comprise of one paper which shall have 100% Objective type Multiple Choice Questions only. The paper will be of 100 marks and the distribution will be as under:

(a)	Professional Subject including optional questions of 10 Marks on Official language policy & Rules	70 Marks
(b)	Establishment and financial Rules	30 Marks
(c)	Qualifying marks:	60 marks with relaxation as per extant rules.
(d)	Duration/ Time	Two (2) Hours
(e)	There shall be negative marking for incorrect answers. One third of the marks allotted for each question will be deducted for every wrong answer. (In terms of Para 4.3 of RBE No. 53/2019 dated 19.03.2019).	

10. WRITTEN / (CBT) AND VIVA-VOCE TEST: The selection will comprise of Witten/ CBT examination followed by viva-voce test. Only those who qualify in the Witten/ CBT examination and pass the prescribed standard of medical examination, in terms of (para-20.1 & 2) of Master Circular-68, Dated: 08/07/2019 and Board's letters No. E(GP)80/2/8 dated 31/10/91, will be called for the Viva-voce test. Without medical fitness certificate any candidate will not be eligible for attending viva- voce test.

Candidates qualifying in the written examination will be subjected to viva-voce test, which shall have following distribution of marks against various heads: -

	Maximum marks	Qualifying marks
1. Record of Service	25	30 marks (including minimum 15 marks in Record of service)
2. Viva-voce	25	

11. SYLLABUS : In terms of Board's letter No. E(GP)2022/2/4 dated 07.11.2022, SECR's Estt Rule:308/2022, a copy of the syllabus for selection is enclosed as **Annexure-‘E’**.

12. In case any candidate is on deputation, leave or on sick list, the Controlling Officer concerned should send necessary advice to the authority under which he is working or the medical authority /home address as the case may be and may obtain clear acknowledgement to that effect.

13. If any employee of HQ/Divisions/Workshops/Units is on deputation/outside cadre or working against ex-cadre posts whose lien is maintained by this Railway should be informed about the selection provided they fulfill the conditions through their respective officers without fail. All concerned should personally ensure displaying of this notification in the prominent notice board of the respective offices of HQ/Divisions/Unit.

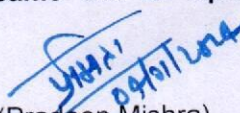
The notification is also available on this Railway's web site <http://www.secr.indianrailway.gov.in>.

Recruitment/News/Press Release → Recruitment → HQ → GAZ Section.

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All the Divisions/Units & applicants are advised to regularly visit SECR website for any updates in the matter. **This notification is being issued as per existing provisions /instructions of selection of Group-B post of AEN. In case any changes in the existing procedure /instructions are issued by Railway the same will be uploaded in the Railway's website in due course.**

DA: As above.


(Pradeep Mishra)

Dy. Chief Personnel Officer (Gaz.)
for Principal Chief Personnel Officer

Copy forwarded for information and necessary action to: -

1. Secretary to GM/SECR: for kind information of GM/SECR.
2. PS to AGM/SECR : for kind information please.
3. DGM(G)/SECR, Chairman/RRB/BSP, Chairman/RRC/BSP
4. Sr. DEN (Co-ord) / Bilaspur, Raipur and Nagpur
5. Principal/MDTC/BSP, SPO (Con), WPO/WRS/R,
6. APO (WS)/MIB/NGP, APO/GSD/R, All Personnel Officers/SECR HQ
7. GS/SECRMC, GS/SECRPOA, GS/AISC/ST Association/BSP,
8. ZP/SECROBCEA/BSP
9. Notice Board


for Principal Chief Personnel Officer

Provisional Integrated Seniority list of SSE (Level-7) of Civil Engineering Deptt, SECR

SL. NO.	NAME (SHRI)	Community	Desig	STN/ Lien	DOB	DOA	DOP IN 6500-10500/- GP.4600/- (LEVEL-7)
MAIN LIST (ANNEXURE-A)							
1	R. N. Rambad	ST	SSE(D&D)	NGP	11/02/1966	06/03/1989	25/03/1996
2	Arun Kr. Agarwal	UR	SSE(D&D)	HQ	27/04/1964	19/05/1992	10/12/1996
3	D Y Khewale	SC	SSE/DRG	NGP	05/02/1973	12/11/1997	01/09/1998
4	Deepak Kr. Singh	UR	SSE(D&D)	BSP	02/10/1966	25/05/1998	01/06/1999
5	Sandeep Ekka	ST	SSE(P.Way)	BSP	23/06/1973	26/10/1999	27/09/2000
6	S. K. Kale	ST	SSE(Estr.)	NGP	24/08/1965	19/09/1991	11/07/2001
7	Ajit Kr. Gupta	UR	SSE(D&D)	HQ/NG P	02/07/1968	02/02/1994	20/07/2001
8	S. G. Sonkusare	ST	SSE/TM	TMO/N GP	15/06/1965	26/07/1988	06/09/2001
9	S. H. Leverkar	ST	SSE(D&D)	NGP	17/07/1967	21/10/1988	17/05/2002
10	Goutam Kumar Bera	UR	SSE(W)	BSP	15/12/1963	28/05/1987	01/07/2002
11	R. Sabat	UR	SSE(W)	BSP/BB S	15/12/1963	06/06/1988	01/07/2002
12	Y.K.Parasar	UR	SSE/PW	NGP	30/04/1964	21/11/1986	10/10/2002
13	A. K. Pandey	UR	SSE/TM	TMO/R	02/09/1966	21/04/1989	31/01/2003
14	R. P. Bhargava	UR	SSE(P.Way)	R	25/10/1966	05/05/1987	01/11/2003
15	Narayan Majhi	UR	SSE(W)	NGP	22/11/1964	20/05/1987	01/11/2003
16	Ajay Bhagdikar	UR	SSE(P.Way)	R	11/08/1966	06/06/1987	01/11/2003
17	R. B. Singh	SC	SSE(W)	R	20/09/1964	17/05/1988	01/11/2003
18	Amarpal Singh	SC	SSE(W)	NGP	01/07/1965	13/11/1989	01/11/2003
19	Shailendra Kumar	UR	SSE(P.Way)	NGP	01/01/1964	21/01/1991	01/11/2003
20	Madan Lal	SC	SSE(P.Way)	BSP	15/01/1967	21/01/1991	01/11/2003
21	Rajesh Kr. Srivastav	UR	SSE(P.Way)	NGP	05/01/1971	03/04/1992	01/11/2003
22	B. B. Dubey	UR	SSE(P.Way)	NGP	08/12/1964	27/03/1993	01/11/2003
23	G. P. Kulhade	SC	SSE(P.Way)	NGP	20/11/1966	30/03/1993	01/11/2003
24	Ajay Pratap Singh	SC	SSE(P.Way)	BSP	14/01/1969	07/07/1995	01/11/2003
25	Ravi Shankar Prasad	UR	SSE(Estr.)	R	18/07/1972	12/11/1998	07/11/2003
26	Md. Mubeen Nawab	UR	SSE(Estr.)	R	17/02/1966	30/12/1988	11/11/2003
27	V.D.Radhakrishnan	UR	SSE/W	NGP	31/05/1967	27/10/1988	15/05/2004
28	Abhimanyu Sahu	UR	SSE(P.Way)	BSP	22/03/1971	12/12/1991	23/08/2004
29	Dasrath Sahu	UR	SSE(P.Way)	BSP	03/05/1970	12/12/1991	23/08/2004
30	Ajay Kr. Acharya	UR	SSE(P.Way)	BSP	22/05/1969	19/12/1991	23/08/2004
31	Rajiv Katiyar	UR	SSE(P.Way)	BSP	30/10/1965	01/04/1992	23/08/2004
32	Laxman Ram Gupta	UR	SSE(P.Way)	BSP	07/03/1969	03/04/1993	23/08/2004
33	Sanjay Kr. Srivastava	UR	SSE(P.Way)	BSP	03/05/1967	05/10/1993	23/08/2004
34	Raju Singh Gour	UR	SSE(P.Way)	BSP	01/07/1964	05/10/1993	23/08/2004
35	Raghvendra Kr. Tiwari	UR	SSE(P.Way)	BSP	01/07/1964	05/10/1993	23/08/2004
36	Tapan Kr. Paik	SC	SSE(W)	R	21/03/1966	17/10/1989	13/10/2004
STANDBY LIST (ANNEXURE-B)							
37	Rajendra Prasad	SC	SSE(TM)	TMO/R	15/06/1967	07/06/1991	13/07/2005
38	Sanjay G. Thote	UR	SSE(TM)	TMO/N GP	20/07/1964	14/12/1988	13/07/2005
39	S. K. Sinha	UR	SSE(Estr.)	BSP	26/01/1967	07/10/1997	06/09/2005
40	Hemant Kr. Kotangle	SC	SSE(BR)	HQ	04/08/1967	16/09/1994	05/10/2005

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SL. NO.	NAME (SHRI)	Community	Desig	STN/ Lien	DOB	DOA	DOP IN 6500-10500/- GP.4600/- (LEVEL-7)
41	Janak Lal Savaiya	UR	SSE(TM)	TMO/R	19/02/1974	06/10/2004	05/10/2005
42	Santosh Kr. Sahu	UR	SSE(P.Way)	HQ	28/06/1978	28/03/2005	04/08/2006
43	Rajesh Pal	UR	SSE(W)	BSP	01/07/1978	08/04/2005	04/09/2006
44	Sanjeev Kr. Srivastav	UR	SSE(P.Way)	NGP	29/05/1968	12/03/1994	18/09/2006
45	B. N. Pandey	UR	SSE(P.Way)	NGP	07/12/1970	12/03/1994	19/09/2006
46	Sushil Kr. Shrivastava	UR	SSE(P.Way)	NGP	15/01/1965	16/06/1994	19/06/2006
47	Chandra Prakash Dixit	UR	SSE(Estr.)	NGP	07/12/1964	17/10/1995	02/11/2006
48	Sai Kishore Boda	UR	SSE(TM)	TMO/N GP	28/08/1978	14/03/2000	22/02/2007
49	Arun Kumar	UR	SSE(Estr.)	HQ	30/11/1979	26/03/2003	09/04/2007
50	Prahlad Sheler	UR	SSE(P.Way)	HQ	14/03/1968	14/07/1996	03/05/2007
51	Jitendra Prasad	UR	SSE(P.Way)	HQ	10/07/1970	10/11/2003	21/05/2007
52	Mithlesh Kumar	UR	SSE(W)	HQ	10/02/1968	13/04/1993	24/05/2007
53	Nand Lal	SC	SSE(W)	HQ	03/03/1974	10/12/1997	24/05/2007
54	Sanjay Kr. Sundi	ST	SSE(W)	HQ	06/06/1973	01/08/2001	24/05/2007
55	P. Ramesh babu	UR	SSE(W)	R	15/06/1966	07/12/1988	29/07/2007
56	Harish Ch. Naik	ST	SSE(W)	R	08/07/1966	15/06/1992	22/08/2007
57	Nageshwar Prasad	UR	SSE(Estr.)	R	03/01/1966	09/05/2002	22/08/2007
58	S. K. Chaurasia	UR	SSE(P.Way)	R	20/12/1967	05/10/1993	10/01/2008
59	Rajat Mathur	UR	SSE(P.Way)	R	21/01/1965	07/09/1994	10/01/2008
60	K. N. Upadhyaya	UR	SSE(P.Way)	R	01/07/1970	05/09/1996	10/01/2008
61	Umesh Srivastava	UR	SSE(P.Way)	R	03/10/1966	05/08/1994	10/01/2008
62	Madhav Rao	SC	SSE(P.Way)	R	26/05/1971	01/07/1997	10/01/2008
63	B. K. Dwivedi	UR	SSE(TM)	TMO/N GP	01/07/1976	04/09/1997	15/01/2008
64	S. K. Nema	UR	SSE(W)	R	18/04/1965	10/05/1993	16/01/2008
65	K. Mallika Arjun Rao	UR	SSE(W)	NGP	01/08/1967	18/05/1988	07/02/2008
66	Indradeo Kr. Amar	UR	SSE(P.Way)	BSP	06/09/1975	19/08/2003	07/02/2008
67	A. K. Saha	UR	SSE(W)	BSP	03/11/1965	26/10/1989	10/06/2008
68	Mahesh Morchale	UR	SSE(BR)	HQ	15/09/1967	13/05/1994	24/06/2008
69	Rakesh Srivastava	UR	SSE(BR)	HQ	23/11/1965	25/05/1994	24/06/2008
70	Hari Om Sonwar	SC	SSE(P.Way)	BSP	15/01/1969	03/09/1996	10/07/2008
71	Kamlesh Verma	UR	SSE(W)	HQ	10/02/1968	28/09/1993	13/10/2008
72	Vikash Kr. Bhakta	UR	SSE(W)	HQ	28/07/1978	08/04/2003	13/10/2008
73	MITHILESH KUMAR	OC	SSE/W/DURG	R	10/02/1968	23/12/1991	10/12/2008
74	Rajesh Tirkey	ST	SSE(TM)	TMO/B SP	14/06/1973	04/02/2008	03/02/2009
75	Vinay Rao	UR	SSE(TM)	TMO/N GP	05/06/1979	04/02/2008	03/02/2009
76	Nitin Shyamro Darwade	SC	SSE(W)	R	10/07/1975	12/02/2008	12/02/2009
77	Mithilesh Kumar	UR	SSE(W)	NGP	04/03/1981	12/02/2008	12/02/2009
78	Dilip Lilhare	UR	SSE(W)	NGP	21/10/1983	12/02/2008	12/02/2009
79	Pradeep Kr. Mishra	UR	SSE(P.WAY)	HQ	01/07/1964	26/04/1989	20/05/2009
80	Charan Das Waikar	SC	SSE(D&D)	R	15/08/1968	17/03/1999	23/11/2009
81	D. Kalisha Vali	UR	SSE(W)	R	08/04/1964	19/05/1988	27/11/2009
82	K. N. Ram	SC	SSE(TM)	TMO/B SP	01/01/1967	03/05/1990	15/12/2009

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SL. NO.	NAME (SHRI)	Community	Desig	STN/ Lien	DOB	DOA	DOP IN 6500-10500/- GP.4600/- (LEVEL-7)
83	Ajab Singh	SC	SSE(TM)	TMO/N GP	02/01/1968	16/04/1991	15/12/2009
84	G. P. Soni	UR	SSE(TM)	TMO/R	01/07/1966	28/01/1987	15/12/2009
85	M. K. Dewangan	UR	SSE(TM)	TMO/H Q	08/02/1974	02/06/2001	15/12/2009
86	Ujjawal Ghosh	UR	SSE(TM)	TMO/R	13/07/1976	26/10/1996	15/12/2009
87	C. M. Rathore	UR	SSE(TM)	TMO/H Q	16/10/1978	18/06/2001	15/12/2009
88	Gopal Kr. Sharma	UR	SSE(TM)	TMO/N GP	23/03/1977	16/06/2001	15/12/2009
89	Bhaves Verma	UR	SSE(TM)	TMO/B SP	25/09/1975	25/05/1998	15/12/2009
90	Rajnish K. Vyas	UR	SSE(TM)	TMO/H Q	10/08/1975	10/08/1999	15/12/2009
91	Jitendra Sharma	UR	SSE(TM)	TMO/H Q	05/03/1973	20/06/2001	15/12/2009
92	Rakesh Kumar Rai	UR	SSE(TM)	TMO/R	27/10/1973	05/11/1996	15/12/2009
93	N. K. Chandravanshi	UR	SSE(TM)	TMO/R	28/06/1970	31/10/1996	15/12/2009
94	Saiyad Samim	UR	SSE(TM)	TMO/R	29/06/1974	28/10/1996	15/12/2009
95	Vinod Mantri	UR	SSE(TM)	TMO/N GP	21/02/1970	02/04/1999	15/12/2009
96	Rajesh Karangle	UR	SSE(TM)	TMO/N GP	30/06/1972	01/01/1999	15/12/2009
97	Vivek Jaisinghani	UR	SSE(TM)	TMO/R	28/07/1972	28/10/1996	15/12/2009
98	Satish Dhomne	UR	SSE(TM)	TMO/N GP	30/01/1972	02/06/1999	15/12/2009
99	Ankur Goutam	UR	SSE(TM)	TMO/R	21/01/1977	11/03/1999	15/12/2009
100	Manish Kumar Mishra	UR	SSE(TM)	TMO/N GP	31/07/1973	13/12/1999	15/12/2009
101	Lok Nath	SC	SSE(TM)	TMO/R	07/05/1973	19/06/1998	15/12/2009
102	Naresh Kumar	SC	SSE(BR)	HQ	03/06/1967	21/05/1994	06/01/2010
103	Sushil Kr. Rikhiram	SC	SSE(W)	NGP	15/01/1970	06/06/1994	10/02/2010
104	P. K. Mandal	SC	SSE(W)	NGP	19/02/1965	18/02/1984	10/02/2010
105	Anil Kr. Mourya	UR	SSE(W)	NGP	05/07/1972	06/06/1994	10/02/2010
106	Rajpal Singh	SC	SSE(W)	NGP	10/02/1967	26/04/1994	11/02/2010
107	R. S. Sharma	UR	SSE(P.Way)	R	01/07/1964	21/12/1991	22/04/2010
108	Rajesh Kumar	SC	SSE(D&D)	BSP	28/03/1972	18/05/1998	06/08/2010

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Provisional Integrated Seniority list of SSE (Level-7) of Civil Engineering Deptt, SECR

SL. NO.	NAME (SHRI)	Community	Desig	STN/ Lien	DOB	DOA	DOP IN 6500-10500/- GP.4600/- (LEVEL-7)
FOR DECIDING PwBD (ANNEXURE-A1)							
1	R. N. Rambad	ST	SSE(D&D)	NGP	11/02/1966	06/03/1989	25/03/1996
2	Arun Kr. Agarwal	UR	SSE(D&D)	HQ	27/04/1964	19/05/1992	10/12/1996
3	D Y Khewale	SC	SSE/DRG	NGP	05/02/1973	12/11/1997	01/09/1998
4	Deepak Kr. Singh	UR	SSE(D&D)	BSP	02/10/1966	25/05/1998	01/06/1999
5	Sandeep Ekka	ST	SSE(P.Way)	BSP	23/06/1973	26/10/1999	27/09/2000
6	S. K. Kale	ST	SSE(Estr.)	NGP	24/08/1965	19/09/1991	11/07/2001
7	Ajit Kr. Gupta	UR	SSE(D&D)	HQ/NG P	02/07/1968	02/02/1994	20/07/2001
8	S. G. Sonkusare	ST	SSE/TM	TMO/N GP	15/06/1965	26/07/1988	06/09/2001
9	S. H. Leverkar	ST	SSE(D&D)	NGP	17/07/1967	21/10/1988	17/05/2002
10	Goutam Kumar Bera	UR	SSE(W)	BSP	15/12/1963	28/05/1987	01/07/2002
11	R. Sabat	UR	SSE(W)	BSP/BB S	15/12/1963	06/06/1988	01/07/2002
12	Y.K.Parasar	UR	SSE/PW	NGP	30/04/1964	21/11/1986	10/10/2002
13	A. K. Pandey	UR	SSE/TM	TMO/R	02/09/1966	21/04/1989	31/01/2003
14	R. P. Bhargava	UR	SSE(P.Way)	R	25/10/1966	05/05/1987	01/11/2003
15	Narayan Majhi	UR	SSE(W)	NGP	22/11/1964	20/05/1987	01/11/2003
16	Ajay Bhagdikar	UR	SSE(P.Way)	R	11/08/1966	06/06/1987	01/11/2003
17	R. B. Singh	SC	SSE(W)	R	20/09/1964	17/05/1988	01/11/2003
18	Amarpal Singh	SC	SSE(W)	NGP	01/07/1965	13/11/1989	01/11/2003
19	Shailendra Kumar	UR	SSE(P.Way)	NGP	01/01/1964	21/01/1991	01/11/2003
20	Madan Lal	SC	SSE(P.Way)	BSP	15/01/1967	21/01/1991	01/11/2003
21	Rajesh Kr. Srivastav	UR	SSE(P.Way)	NGP	05/01/1971	03/04/1992	01/11/2003
22	B. B. Dubey	UR	SSE(P.Way)	NGP	08/12/1964	27/03/1993	01/11/2003
23	G. P. Kulhade	SC	SSE(P.Way)	NGP	20/11/1966	30/03/1993	01/11/2003
24	Ajay Pratap Singh	SC	SSE(P.Way)	BSP	14/01/1969	07/07/1995	01/11/2003
25	Ravi Shankar Prasad	UR	SSE(Estr.)	R	18/07/1972	12/11/1998	07/11/2003
26	Md. Mubeen Nawab	UR	SSE(Estr.)	R	17/02/1966	30/12/1988	11/11/2003
27	V.D.Radhakrishnan	UR	SSE/W	NGP	31/05/1967	27/10/1988	15/05/2004
28	Abhimanyu Sahu	UR	SSE(P.Way)	BSP	22/03/1971	12/12/1991	23/08/2004
29	Dasrath Sahu	UR	SSE(P.Way)	BSP	03/05/1970	12/12/1991	23/08/2004
30	Ajay Kr. Acharya	UR	SSE(P.Way)	BSP	22/05/1969	19/12/1991	23/08/2004
31	Rajiv Katiyar	UR	SSE(P.Way)	BSP	30/10/1965	01/04/1992	23/08/2004
32	Laxman Ram Gupta	UR	SSE(P.Way)	BSP	07/03/1969	03/04/1993	23/08/2004
33	Sanjay Kr. Srivastava	UR	SSE(P.Way)	BSP	03/05/1967	05/10/1993	23/08/2004
34	Raju Singh Gour	UR	SSE(P.Way)	BSP	01/07/1964	05/10/1993	23/08/2004
35	Raghvendra Kr. Tiwari	UR	SSE(P.Way)	BSP	01/07/1964	05/10/1993	23/08/2004

NOTE: The above list has been prepared based on the provisions mentioned in para 13 of RBE No.74/2022 and has been issued strictly for the purpose of deciding eligibility w.r.t. filling of vacancy reserved for PwBD only.

Yash

South East Central Railway

PROFORMA for AEN 70% DPQ (ENGINEERING DEPARTMENT)

Paste a
photograph
duly attested

1	Name	
2	Present Designation	
3	Present place of posting, i.e. Division/ WS /Station/ Unit	
4	Community (UR/SC/ST)	
5	Lien holding in Railway, Division and Department	
6	Controlling officer	
7	Date of Birth (DD/MM/YYYY)	
8	Date of appointment	
9	Designation in which initially appointed and scale (Rs.)	
10	IPASS NO. (Eleven (11) Digit) (must be filled correctly)	
11	Latest Email-ID address (must be filled correctly)	
12	HRMS ID (must be filled correctly)	
13	Mobile No.: (Personal and official)	
14	Present Scale in (Vth PC) / G.Pay (VIth PC) / Pay Level (7 th PC)	
15	Date of Regular Promotion or appointment in GP Rs. 4200/- (6 th PC) / Pay Level 6 of (7 th PC)	
16	Date of Regular Promotion or appointment in GP Rs. In GP Rs. 4600/- (6 th PC)/ Pay Level 7 of (7 th PC).	
17	Length of non-fortuitous service in scale Rs. 5000-8000 (5 th PC), PB-2 Rs. 9300-34800, with GP Rs. 4200/- (6 th PC)/ Pay Level 6 of (7 th PC) as on 01/01/2023.	Year.....Month.....Days.....
18	Length of non-fortuitous service in scale Rs.6500-10500/- (5 th PC), PB-2 Rs.9300-34800 + GP Rs. 4600/- (6 th PC)/ Pay Level-7 of (7 th PC) as on 01/01/2023.	Year.....Month.....Days.....
19	Any DAR case is pending or otherwise (YES or NO)	
20	Willing or Unwilling (please mention)	
21	Whether belongs to PwBD category, if yes requiring SCRIBE (Please indicate only those PwBD employee who are entitled to facility of scribe and additional time).	YES or NO (please tick) & category..... Enclose necessary medical PwBD certificate issued by authorized Govt. medical officer.

Signature of the candidate

Signature of Controlling Officer with seal

Forwarded to Headquarter

Forwarded to Dy.CPO(GAZ)/SECR. The particulars given by the employee as mentioned above have been verified /scrutinized and found correct as per the service record and the above named employee is **eligible OR not eligible**, please (✓). It is certified that no Adhoc or fortuitous service has been taken in to account for computing the eligibility as on **01/01/2023**.

Signature and name with official stamp of
Personnel Officer of concerned Divn./ Unit

PROFORMA for AEN 70% DPQ
(To be verified & attested from available records)

1	2	3	4	5	6	7	8
Sr. No	Name	Present Designation/Station	Lien	Community (UR /SC/ ST)	DOB	Date of appointment & designation, grade to which appointed	Correct I-Pass No. (11 Digit)

09	10	11	12
Correct HRMS-ID	Present Grade/ Scale GP Rs.4200/-, or GP Rs.4600/-	Date of Regular promotion in scale GP Rs.4200/-	Date of Regular promotion/ appointment in scale Rs. 6500-10500/- (5 th PC) (pre-revised)/ GP-4600/- (6 th th PC) / Level-7 (7 th PC)

13	14	15	16	17
MOBILE NO.	EMAIL-ID	Whether belongs PwBD and requiring SCRIBE (Please indicate only those PwBD staff who are entitled to facility of scribe and additional time).	Remarks Eligible/ Not eligible	Willing or Unwilling
		Yes / No.		

(*) The above information to be provided to GAZ/CONF/Section, HQ/SECR/BSP in soft copy also. (Pen drive)

Signature of
 Concerned Personnel Officer
 (with office seal)

Syllabus for Establishment Rules:

1. Organization of the Personnel Department in Railways objectives functions and policies of Personnel Department.
2. Recruitment and Training, Classification of Services, Recruitment in Different services, Railway Recruitment Boards & Railway Recruitment Cells Compassionate Ground Appointments, Initial & In Service Training, Refresher Courses, Central Training Institutes, Training Centers in Zones, Divisions & Workshops, Training Modules for different posts, Training under Apprentices Act, Online Training, APARs.
3. General conditions of service in Railways, Seniority, Lien, Inter Railway & Inter Division transfers, Deputation, Promotion Policy & methods. Selection, Suitability, Trade Tests, Leave Rules, Pass Rules, Joining Time Reservation policy, HOER, Overtime, Payment of wages, current CPC Pay Rules, Advances in Railways.
4. Manpower planning, Rightsizing & Benchmarking, creation, extension and surrender of posts, creation of posts against new assets, different types of posts including workcharged posts.
5. The Railway Servants (Discipline & Appeal) Rules, 1968 and related instructions.
6. The Railway Services (Conduct) Rules, 1966 and related instructions.
7. Retirement benefits, qualifying service, pension, family pension, commutation gratuity, new pension scheme.
8. Staff welfare, SBF, Railway institutes, Railway schools, Ex-gratia payment, Incentive Bouns Scheme, Staff Grievances Redressal Mechanisms.
9. Industrial relations in Railways, recognized trade unions, industrial disputes. The Industrial Disputes Act, 1947. The Industrial Relations Code, 2020. The Trade Unions Act, 1926, PNM, PREM, JCM, Various Associations & Informal Meetings.
10. The Factories Act, 1948. The workmen's Compensation Act, 1923. Functions of Labour Enforcement Officers, Right to Information Act.
11. The scope of Information Technology in Railway e – office. HRMS, IPAS, LIMBS, ARPAN, CPGRAMS, ANUBHAV etc.

Syllabus for Financial Rules:

1. Parliamentary Control over Railway Finance, Public Accountability, Canons of Financial Propriety.
2. Railway Budget - Budgetary terms, Types of Budgets, Budget cycle, Demand of Grants, Budgetary and Financial Reviews.
3. Rules of Allocation - Classification of expenditure - Control of expenditure - Responsibility Accounting - Performance Budgeting - Exchequer Control - Financial Results of Working lines.
4. Works Programme - Financial justification of Works - Surveys - Preparation of Estimates - Capital Budget - Control over Capital Expenditure - Reappropriation of Funds.
5. Financial control over Stores Expenditure - Purchase and Stores Keeping Procedure - Inventory Control and ABC Analysis.
6. Financial & Cost Control in Railway Workshops/Sheds/Units.
7. Rules and procedure relating to Tenders and contracts for execution of works and Procurement of Stores, M&P Programme and RSP.
8. Procedure for Possessing and finalizing Audit Objections and Draft Paras.
9. Delegation of Powers.
10. Losses, Frauds and Embezzlements.
11. General Financial Rules
12. Government e-Market (GeM)
13. Classification of Railway Revenue (Earnings)
14. Information Technology in general with specific reference to Railway's IT Applications
15. Taxation matters with special focus on GST & Income Tax
16. Organization of CGA and C&AG
17. Any other topic felt necessary from time to time

**SYLLABUS FOR 70% SELECTION FOR PROMOTION TO GR.B POST OF AEN IN
CIVIL ENGINEERING DEPARTMENT.**

(A) Civil Engineering (General)

1. Surveying

a. Types

i. Surveying basics

Basic principles; base lines; check lines: perpendicular and oblique offsets; conventional signs; plotting of survey; true and magnetic bearings; open and closed traverses; recording plotting of traverse, closing errors.

ii. Surveying equipment

Auto level, Total station, DGPS, LIDAR.

iii. Leveling -

Level Lines - datum, bench marks, simple leveling, fly leveling; recording the levels in field book; method of reducing levels; arithmetical check; longitudinal and cross section contouring.

iv. Theodolite Survey -

Types of theodolites; measurement of horizontal angles, vertical angles, magnetic bearings and deflection angles; prolonging a straight line; traversing by method of included angles; balancing the survey - closing errors; calculations of latitude and departure.

b. Curves-

Elements of simple circular curves, setting out simple circular curves.

c. Set out works -

Setting out buildings, culverts, Central line of Railway alignment. Usage of GPS technology in setting out Centre line of Railway alignments.

2. Strength of Materials, Structural Designs & Drawings

a) Strength of Materials:

Stress, strain, Hooke's law, working stress, factor of safety; bending moment and shear force in simply supported beams and cantilevers; simple theory of bending.

b) Structural Design & Drawing Drawings

Different sizes of paper, folding and storage of drawing, plan, elevation, sections, isometric view.

c) RCC Structures

RCC, methods of design, Working Stress Method and Limit State Method. IRS Code

d) Steel Structures

Rivets and welds. Sketch and detailing of connections different types of joints and strength determination. IRS Steel Bridge Code.

3. Construction material:

Description, specification, properties and uses of building materials - stones, sand, timber, bricks, cement, lime, building hardware, paints varnishes, glasses, and tiles. Concrete mix design, placing, compaction and durability.

4. Foundation & Construction Engineering

a) Soil Mechanics

Different type of Soils, Three phase diagram and their relationships, IS classification of soil, index and engineering properties of soil, compaction, consolidation, shear strength, earth pressure theories, slope stability. Specification and construction of earthwork in embankment and cuttings.

b) Foundation Engineering

Functions of foundation, different type of foundations - open foundations, well foundations and pile foundations, determination of safe bearing capacity, stress and settlement analysis, method of reducing differential settlements.

(B) Civil Engineering (Railways)

1. Railway Surveys & Construction

Provisions in Engineering Code regarding - Classification of Surveys, Terms of Reference, Principles governing Railway alignment, Ruling gradients, Grade compensation for curves, Horizontal and vertical curves, Hill Surveys, Catch sidings, Tunnels, preparation of various maps and drawings, preparation of Survey reports for RECT, PECT and FLS, Project estimates.

2. Railway Track.

(a) Track Structure and Components.

Classification of Lines, Track Structure, Rail and Rail fastenings, Sleepers & Fastenings, Ballast- Specifications, Ballast Profile/Section/Depth of Cushion, Formation- Classification of Formation Requiring Treatment and Remedial Measures Suggested, Insulated joints & Switch expansion joints, Track structure on Bridges.

(b) Duties.

Duties of ADEN, Duties of SSE/P.Way (In-charge), Duties of JE/ SSE/ P.Way (sectional), Duties of JE/ SSE/ P.Way (Other than sectional), Duties of Gang mates, Keymen, Patrolmen, Gateman and Track maintainer.

(c) Maintenance of Permanent way.

Regular track maintenance, Handling and maintenance of rails, sleepers, fastenings & other misc. Items, Works incidental to regular track maintenance, Record keeping, Maintenance of track in track circuited areas, Maintenance of track in electrified

Areas.

(d) Special Maintenance Works.

Alumino Thermit welding of rails, Flash-Butt welding of rails, Short welded Rails, Long welded Rails, USFD.

(e) Curves and Turnout.

Curves, Realignment of curves, Points and Crossing.

(f) Track tolerances and Track Monitoring.

(g) Schedule of dimensions.

Schedule-I Standard dimensions, Station Yards and extra clearance on curve.

(h) CRS sanction for works affecting passenger running lines.

(i) Training and Competency of Permanent Way Staff.

(j) Permanent Way renewals.

(k) Engineering Restrictions and Indicators.

(l) Level Crossings and Gateman.

(m) Working of Trolleys, Lorries and Material trains etc.

(n) Track Management System.

(o) General:

Reference to G & SR; types of signals and their significance; rules for working of trains; block working rules - types, Introduction of temporary single line working.

(p) Accidents:

Action during accidents including breaches, Restoration of through running, Pre-monsoon precautionary measures.

3. Maintenance of Bridges

a) Maintenance of bridges:

Responsibility of the Engineering officials, action to be taken after inspection of bridges; maintenance of substructure - abutments, piers, wing walls and return walls, maintenance of arches, dismantling of arches. Details of common repair techniques - cement pressure grouting, epoxy grouting, shotcreting / Guniting. Maintenance of RCC & PSC super structures - periodical maintenance, common defects and repair / strengthening techniques; maintenance of super structure (steel) girders - loss of camber in steel girders, cracks in steel works, strengthening of weak girders, replacement of loose rivets; maintenance of HSFG bolts, corrosion and its prevention, protective coatings by painting - periodicity and precautions, patch

painting, ordinary paints - for severe and no severe corrosion, metallising & epoxy based paints, Maintenance of welded girders; maintenance of composite girders. Various defects in bed blocks and their remedies; maintenance of bearings; Precautions while carrying out maintenance works on bridges.

b) Inspection of bridges:

Classification of bridges - major, minor, important; Inspection of Bridges by Permanent Way and Works Inspectors, by Bridge Inspectors (SSE/JE- P. Way, Works, Bridges) - Periodicity/ schedule and details of inspection, record of bridge inspection, registers to be maintained by the Bridge Inspectors, Certificate of inspection. Inspection by Assistant Divisional Engineers - Bridge Inspection Register, Numerical Rating System (NRS), Unique Rating Number, Condition Rating Number, Overall Rating Number, Certificate by the Assistant Engineer. Details of Inspection of Bridge - foundations, Flooring, masonry in substructure, under-water substructure inspection, arch bridges, protection works and water ways, girder alignment and seating, structural condition of girders, track on the bridge and its approaches, trolley and safety refuges, foot paths, painting, marking HFL and danger level, providing foundation particulars and bridge name boards, flood records at important bridges, road over/under bridges, concrete bridges, special Inspection during Monsoon, equipment required for inspection of bridges. painting of steelworks, laying of bridge sleepers; replacing cracked bed blocks.

4. Rehabilitation of Bridges

Reasons for Rehabilitation, special Strengthening, Imposition of speed restriction, Priority for rehabilitation of bridges, Special Inspection, Site Data, Execution of rehabilitation works, Precautions when working on bridges; rebuilding or alterations to bridges - design and execution of bridge works; temporary arrangements; false work for erection of girders; assembly and erection of girders; cranes for erection of girders; testing of girders; proposal for strengthening existing girder spans: methods of regirding major bridges, Strengthening of foundations, Strengthening/rebuilding of substructure, shaken/displaced/ cracked bed blocks, distressed arch bridges, replacement of nonstandard girders, replacement of pipe culverts, distress in parapets, replacement of small opening, distress in superstructure.

5. Rivers & Floods

Behavior of rivers; past history of bridges, danger level at bridges, watchman at important bridges, duties and equipment of bridge watchmen; special inspection during monsoon, action to be taken in the case of weather warning, pitching stone, boulder and monsoon reserve; vigilance during floods; flood records during and after the monsoon; survey of the course of river. Rivers and flood register, Flood Reports, rainfall data, provision of anemometer on bridges. River training works, Guide Bunds, Spurs (Groynes), Marginal Bunds, Closure Bunds, Assisted Cut-Offs, Boulder crates, Protection of approach banks, drop wall & curtain wall i.e. protection measures for minor bridges.

6. Inspection and Maintenance of Tunnels and Deep Cuttings:

a) **Tunnels** - Inspection by Engineering officials, items to be covered in the

Inspection, record of inspection, mobile staging for inspection, details of tunnel inspection, ventilation of tunnels, leakage in tunnels and methods of correction, works connected with the maintenance of tunnels.

b) Deep Cuttings - General, inspection register of vulnerable cuttings, points to be noted during Inspection of cuttings, action to be taken in the case of boulder drops, action to be taken after inspection of cutting, guarding of vulnerable cuttings.

7. Inspection and Maintenance of Building and Structures (Other than Bridges)

- a) Inspection & Maintenance of buildings & structures (including steel structures).
- b) Building Registers
- c) Periodical maintenance of Works including repairs to leaky roof/water proofing of roofs.
- d) Standard Measurement Registers for Buildings.
- e) Dismantling of buildings/structures.
- f) Retro-fitting / structural repairs of existing weak buildings/structures.

8. Maintenance of sanitary and hygienic conditions in station and railway Colonies; water supply, drainage and sewerage

a) Water Supply

I. Standards of Quality of drinking water- physical; chemical and bacteriological standards of water, Water-borne diseases, water demand-methods of forecasting, sources of water; Method of treatment of water – aeration; sedimentation; filtration (slow and rapid sand filters); disinfection; hardness methods of removal etc.

II. Conveyance and Distribution:-

Preparation of Schemes for New Water Supply/ Augmentation of Existing Water Supply; Estimating Requirements of Water, water supply from outside sources. Types; Selection & Installation of Pumps; Capacity of Pumping, Conveyance of Water Rising mains; systems of distribution, residual pressure, different types of pipes and fittings; testing of pipes, Pipe laying and Fittings of Valves and Meters, Storage tanks; Capacity, Maintenance and Cleaning of Storage Tanks, Water-Supply Plans, maintenance and operation of water supply installation - responsibilities of Engineering department, Mechanical department and Electrical Department.

III. Rain water harvesting – legislation, necessity; advantage; types; techniques; estimation of capacity of rain water harvesting pits/ salient methods of recharging subsurface aquifer etc.

IV. Water Audit and water Management:

Conservation of Water, water reuse, water recycling, water recycling plant, flow measurement system, identification of losses & leakages.

b) Sewerage:

Preparation of schemes for sewerage, sewage & water collection and carriage; design of sewers; house connection; storm water drains; maintenance of sewerage and drainage, conservancy and sanitary arrangements, disposal of sewage – river pollution and control; sewage treatment; land irrigation, septic tanks, primary clarifier, sludge and scum removal, trickling filters, activated sludge process, sludge digesting, principles of anaerobic digestion, sludge gas, sludge drying and disposal.

c) Sanitation:

Formation of sanitation committee ; Inspection by sanitation committee , sanitary arrangements in stations and colonies, drinking water wells-protection; Cleaning of wells; disinfection; prevention of Infectious diseases; disinfection of quarters.

9. Acquisition, management and disposal of land: General Codes, Manuals, rules:

Ownership of Railway land; sanctioning authority for acquisition and relinquishment; Principles of acquisition and relinquishment; Procedure for acquisition and relinquishment; Land plans and schedule; Documents of Handing over and taking over Railway Land; Land Records- Responsibility and procedure for demarcation, verification of railway boundary , land plan etc. maintenance of right of way; religious structure. Management of railway Land leasing, licensing of land, way leave facility and easement rights, grow more food. Leasing licensing for merchants and vendors at stations, bulk oil installation. Encroachment and responsibly; rules for permission for construction of building near Railway land; instructions regarding cutting/trimming and sale of natural product like mature tree, dry trees within and outside railway boundary, near electric or telegraph lines , sale of grass right etc. Provisions of Land Acquisition Act. 1989, Right to fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act 2013.

10. Preparation of Plans and Estimates:

(a) Preparation of plans:

General procedure; plan for other departments; size of drawings; titles and numbering of drawings; scale of drawings; details on drawings; symbols and colours in drawings; RDSO drawings; CE's plans; Plans of Divisional/Asst. Engineer's/inspector's Offices; completion drawings;

(b) Preparations of estimates:

Engineering code provisions, various types of estimates, technical details, rates and quantities; schedule of rates and price - listing of stores; report and justification; rent statement for staff quarters; special features of estimates for remodeling of station yards, track renewal works, deposit works: Urgency Certificate;

11. Contract and Execution of Work:

a) Contract:

Engineering code provisions, schedule of rates; analysis, non-schedules rates, tenders, types, tender documents, drawings and specifications, tender committees, acceptance of tenders, contracts, types, contract documents, General and special condition of contract, measurement and measurement books - code reference, recording measurements, 'on account' and final measurements, standard measurements books, responsibilities of inspectors/JE/SSE) and Asst. Engineers for measurement of works, ballast measurement, computation quantities, preparation of abstract in measurement books, submission of bills, checking of bills, bill registers, Variations, PVC, Basics of Arbitration.

b) Execution of Work:

Engineering code provisions, agencies for executing works; responsibilities of executive officers; deposit works; excess and savings on estimates; attention to public interests; prevention of accidents; planning - activity, milestone, bar charts, critical path networks, PERT; departmental execution of work - record; progress reports, charges for stores and labour, execution of works in Engineering workshops; contracted works; issue of work orders; completion documents; zonal works.

12. Track Machines:

a) Organizational structure, duties and inspection:

Duties of Executive (XEN)/Assistant Executive Engineer (AXEN)/TM/Line, Duties of SSE/TM/SDI, Duties of SSE/JE/TM Working on Machines, Duties of SSE/JE Machine In-Charge Duties of Machine Assistant, Duties of Assistant Divisional Engineer (Open Line) ADEN, Duties of SSE/JE (P.Way) Deployed with the Machine, Inspection Schedule of Track Machine Officials, Inspection Schedule of Open Line Officials.

b) Tamping machine and dynamic track stabilizer:

Types of Tamping Machines, Tamping Mechanism, Tamping Parameters, ALC, Lining System, 4 Point Lining Method, Corrections to be Applied in 4 Point Lining Method, Modes of Tamping using 4-Point Lining Method (Only for curves), 3 Point Lining Method, Corrections to be applied in 3- Point Lining, Determination of Target Versine Values for the 3-Point Lining Method, Mode of Tamping using 3-Point Lining Method, Comparison between 3 Point and 4 Point Lining System, Levelling of Track, Mode of working for levelling, General Lift, Input of the Lifting Values, Survey and working of Tamping Machines in Design Mode, Works required Before, During and After Tamping, Working Principle of Dynamic Track Stabilizer, Modes of working of Dynamic Track Stabilizer, Working of DTS.

c) Ballast cleaning and handling machines:

Ballast Cleaning Machines (BCM), Types of Ballast Cleaning Machines, Working Principle and Capability of Ballast Cleaning Machines, Works Required Before, During and After Deployment of Ballast Cleaning Machines.

d) Track relaying machines:

Track Relaying Machines, Working Mechanism and Capability of Track Laying Equipment, Pre-Relaying Operations, Operation During Block, Post Relaying Operations, Working Mechanism of TRT, Operations Prior to Deployment of TRT, Operations During The Block of TRT, Post Block Operations for TRT, Precautions During TRT Working

e) Rail Grinding Machines:

Rail Grinding Machine (RGM) (Purpose & Advantage), Grinding Strategy, Working Parameters of RGM, Monitoring Equipment for Grind Quality, Quality Inspection of Grinding, Preparatory Works for Introduction of RGM, Pre-Block Activity Before Deploying RGM, Operation During RGM Block, Post Grinding Operation.

f) Planning and deployment of Machines:

Pre-requisites for Deployment of Track Machines on Construction Projects/Other Agencies, Minimum Duration of Blocks, Through Tamping and Spot Attention.

g) Rules for movement and block working

Provision of G&SR, Operation and Working of Track Machine, Competencies of Track Machine Staff, Safety Equipment Rules for Operation – General, Important Instructions and Precautions (Protection of Work Site, Fouling of Adjacent Lines, Information to Level Crossings etc), Failure and Accidents of Track Machines, Speed Certification for Track Machines, Special Precautions while working in Special Circumstances (Ghat Sections, Night Working)

h) Periodical maintenance and associated infrastructural facility:

Maintenance Schedule for Various Track Machine, Types of Workshops, Functions of Central Periodic Overhauling Workshop (CPOH), Functions of Zonal Machine Depot (ZMD), Functions of Satellite Depot, Functions of Mobile Workshop, Functions of Camping Coach Workshop

i) Track Machine Manpower

Training (Officers, SSEs/JEs/TM(s), Technical Staff, Machine Assistant), Roster

13. Miscellaneous:

a) Engineering plant:

Control of plant and machinery, engineering plant reserve, plant register, valuation of plant, maintenance, storage and repairs, requisitioning of plants, use of plant at site, maintenance of log books, hiring out of engineering plant, examination of boilers of the engineering department.

b) Explosives:

Issue of Instructions on use of explosives; observance of rules, carriage of explosives, Protection of trains and Railway property, precautions to be observed

during blasting. Misfire with electrical method of firing. explosives disposal.
destruction of explosives

c) Management of Engineering Stores:

Reference to code and Rules; procurement of stores; requisition; receipt and issue of
challans; claims of short receipts, etc.; custody of stores - classification, handling and
storage. Account head of stores - operation, records and returns; disposal of
released and surplus stores - return to stores Depot; disposal by auction; verification
of stock and adjustment for shortage/excesses.

d) Law and Order

Railway Police; lodging complaints; cooperation with railway police. cognizable
offences; non cognizable offences; powers of arrest by railway staff; warrant against
railway staff; action by railway staff in case of attempted sabotage; answering of
court summons; Prevention of trespass disposal of human bodies found run over;
disposal of cattle found dead on the line.

